SECTION 1. SHORT TITLE.

This Act may be cited as the “National Defense Authorization Act for Fiscal Year 2020”.

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

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

(1) Division A—Department of Defense Authorizations.

(2) Division B—Military Construction Authorizations.

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

(4) Division D—Funding Tables.

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

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

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1 SEC. 3. CONGRESSIONAL DEFENSE COMMITTEES.

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

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

Subtitle A—Authorization of Appropriations

10 SEC. 101. AUTHORIZATION OF APPROPRIATIONS.

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

Subtitle B—Navy Programs

SEC. 111. MODIFICATION OF ANNUAL REPORT ON COST TARGETS FOR CERTAIN AIRCRAFT CARRIERS.

Section 126(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2035) is amended—

(1) in the subsection heading, by striking “AND CVN–80” and inserting “, CVN–80, AND CVN–81”; (2) in paragraph (1), by striking “costs described in subsection (b) for the CVN–79 and CVN–80” and inserting “cost targets for the CVN–79, the CVN–80, and the CVN–81”; and

(3) in paragraph (2)—

(A) in the matter preceding subparagraph (A), by striking “and the CVN–80” and inserting “, the CVN–80, and the CVN–81” (B) in subparagraph (A), by striking “costs described in subsection (b)” and inserting “cost targets”; (C) in subparagraph (F), by striking “costs specified in subsection (b)” and inserting “cost targets”; and
(D) in subparagraph (G), by striking “costs specified in subsection (b)” and inserting “cost targets”.

SEC. 112. REPEAL OF REQUIREMENT TO ADHERE TO NAVY COST ESTIMATES FOR CERTAIN AIRCRAFT CARRIERS.


SEC. 113. FORD CLASS AIRCRAFT CARRIER SUPPORT FOR F–35C AIRCRAFT.

Before accepting delivery of the Ford class aircraft carrier designated CVN–79, the Secretary of the Navy shall ensure that the aircraft carrier is capable of operating and deploying with the F–35C aircraft.

SEC. 114. PROHIBITION ON USE OF FUNDS FOR REDUCTION OF AIRCRAFT CARRIER FORCE STRUCTURE.

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Department of Defense may be obligated or expended to reduce the number of operational aircraft car-
riers of the Navy below the number specified in section 8062(b) of title 10, United States Code.

SEC. 115. DESIGN AND CONSTRUCTION OF AMPHIBIOUS TRANSPORT DOCK DESIGNATED LPD–31.

(a) IN GENERAL.—Using funds authorized to be appropriated for the Department of Defense for Shipbuilding and Conversion, Navy, the Secretary of the Navy may enter into a contract, beginning with the fiscal year 2020 program year, for the design and construction of the amphibious transport dock designated LPD–31.

(b) USE OF INCREMENTAL FUNDING.—With respect to the contract entered into under subsection (a), the Secretary may use incremental funding to make payments under the contract.

(c) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—The contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under such contract for any fiscal year after fiscal year 2020 is subject to the availability of appropriations for that purpose for such later fiscal year.

SEC. 116. LIMITATION ON AVAILABILITY OF FUNDS PENDING QUARTERLY UPDATES ON THE CH–53K KING STALLION HELICOPTER PROGRAM.

(a) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fis-
nal year 2020 for aircraft procurement, Navy, for the CH–
53K King Stallion helicopter program, not more than 50
percent may be obligated or expended until a period of
30 days has elapsed following the date on which the Sec-
retary of the Navy provides the first briefing required
under subsection (b).

(b) QUARTERLY BRIEFINGS REQUIRED.—

(1) IN GENERAL.—Beginning not later than
October 1, 2019, and on a quarterly basis thereafter
through October 1, 2022, the Secretary of the Navy
shall provide to the Committee on Armed Services of
the House of Representatives a briefing on the
progress of the CH–53K King Stallion helicopter
program.

(2) ELEMENTS.—Each briefing under para-
graph (1) shall include, with respect to the CH–53K
King Stallion helicopter program, the following:

(A) An overview of the program schedule.

(B) A statement of the total cost of the
program as of the date of the briefing, includ-
ing the costs of development, testing, and pro-
duction.

(C) A comparison of the total cost of the
program relative to the approved acquisition
program baseline.
(D) An assessment of flight testing under the program, including identification of the number of test events have been conducted on-time in accordance with the joint integrated program schedule.

(E) An update on the correction of technical deficiencies under the program, including—

(i) identification of the technical deficiencies that have been corrected as of the date of the briefing;

(ii) identification of the technical deficiencies that have been discovered, but not corrected, as of such date;

(iii) an estimate of the total cost of correcting technical deficiencies under the program; and

(iv) an explanation of any significant deviations from the testing and program schedule that are anticipated due to the discovery and correction of technical deficiencies.
SEC. 117. LIMITATION ON AVAILABILITY OF FUNDS FOR VH–92A HELICOPTER.

(a) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for procurement for the VH–92A helicopter, not more than 75 percent may be obligated or expended until the date on which the Secretary of Navy submits to the Committee on Armed Services of the House of Representatives the report required under subsection (b).

(b) REPORT REQUIRED.—The Secretary of the Navy shall submit to the Committee on Armed Services of the House of Representatives a report assessing the status of the VH–92A helicopter program industrial base and the potential impact of proposed manufacturing base changes on the acquisition program. The report shall include a description of—

(1) estimated effects on the manufacturing readiness level of the VH–92 program due to planned changes to the program manufacturing base;

(2) the estimated costs and assessment of cost risk to the program due to planned changes to the program manufacturing base;

(3) any estimated schedule impacts, including impacts on delivery dates for the remaining low-rate
initial production lots and full rate production, resulting from changes to the manufacturing base;

(4) an assessment of the effect of changes to the manufacturing base on VH–92A sustainment; and

(5) the impact of such changes on production and sustainment capacity for the MH–60 and CH–53K helicopters of the Navy.

SEC. 118. NATIONAL DEFENSE RESERVE FLEET VESSEL.

(a) In General.—Subject to the availability of appropriations, the Secretary of the Navy, acting through the executive agent described in subsection (e), shall seek to enter into a contract for the construction of one sealift vessel for the National Defense Reserve Fleet.

(b) Delivery Date.—The contract entered into under subsection (a) shall specify a delivery date for the sealift vessel of not later than September 30, 2026.

(c) Design and Construction Requirements.—

(1) Use of Existing Design.—The design of the sealift vessel shall be based on a domestic or foreign design that exists as of the date of the enactment of this Act.

(2) Commercial Standards and Practices.—Subject to paragraph (1), the sealift vessel shall be constructed using commercial design stand-
ards and commercial construction practices that are consistent with the best interests of the Federal Government.

(3) **DOMESTIC SHIPYARD.**—The sealift vessel shall be constructed in a shipyard that is located in the United States.

(d) **CERTIFICATE AND ENDORSEMENT.**—The sealift vessel shall meet the requirements necessary to receive a certificate of documentation and a coastwise endorsement under chapter 121 of title 46, United States Code, and the Secretary of the Navy shall ensure that the completed vessel receives such a certificate and endorsement.

(e) **EXECUTIVE AGENT.**—

(1) **IN GENERAL.**—The Secretary of the Navy shall seek to enter into a contract or other agreement with a private-sector entity under which the entity shall act as executive agent for the Secretary for purposes of the contract under subsection (a).

(2) **RESPONSIBILITIES.**—The executive agent described in paragraph (1) shall be responsible for—

(A) selecting a shipyard for the construction of the sealift vessel;

(B) managing and overseeing the construction of the sealift vessel; and
(C) such other matters as the Secretary of the Navy determines to be appropriate

(f) USE OF INCREMENTAL FUNDING.—With respect to the contract entered into under subsection (a), the Secretary of the Navy may use incremental funding to make payments under the contract.

(g) SEALIFT VESSEL DEFINED.—In this section, the term “sealift vessel” means the sealift vessel constructed for the National Defense Reserve Fleet pursuant to the contract entered into under subsection (a).

Subtitle C—Air Force Programs

SEC. 121. MODIFICATION OF REQUIREMENT TO PRESERVE CERTAIN C-5 AIRCRAFT.

Section 141(d) of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 1661) is amended—

(1) in paragraph (1), by striking “until the date that is 30 days after the date on which the briefing under section 144(b) of the National Defense Authorization Act for Fiscal Year 2018 is provided to the congressional defense committees”; and

(2) in paragraph (2)(A), by striking “can be returned to service” and inserting “is inducted into or maintained in type 1000 recallable storage”.

SEC. 122. MODIFICATION OF LIMITATION ON USE OF FUNDS FOR KC–46A AIRCRAFT.

Section 146(a)(1) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232) is amended by striking “the military type certification” and inserting “either the military type certification or a military flight release”.

SEC. 123. F–15EX AIRCRAFT PROGRAM.

(a) DESIGNATION OF MAJOR SUBPROGRAM.—In accordance with section 2430a of title 10, United States Code, the Secretary of Defense shall designate the F–15EX program as a major subprogram of the F–15 aircraft program.

(b) LIMITATION.—Except as provided in subsection (c), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Air Force may be obligated or expended to procure an F–15EX aircraft until a period of 30 days has elapsed following the date on which the Secretary of the Air Force submits to the congressional defense committees the following documentation relating to the F–15EX program:

(1) A program acquisition strategy.

(2) An acquisition program baseline.

(3) A test and evaluation master plan.

(4) A life-cycle sustainment plan.

(5) A post-production fielding strategy.
(c) Exception for Production of Prototypes.—

(1) In General.—Notwithstanding subsection (b), the Secretary of the Air Force may use the funds described in paragraph (2) to develop, produce, and test not more than two prototypes of the F–15EX aircraft.

(2) Funds Described.—The funds described in this paragraph are funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Air Force for any of the following:

(A) Research and development, non-recurring engineering.

(B) Aircraft procurement.

(d) F–15EX Program Defined.—In this section, the term “F–15EX program” means the F–15EX aircraft program of the Air Force as described in the materials submitted to Congress by the Secretary of Defense in support of the budget of the President for fiscal year 2020 (as submitted to Congress under section 1105(a) of title 31, United States Code).
SEC. 124. PROHIBITION ON AVAILABILITY OF FUNDS FOR REDUCTION IN KC–10 PRIMARY MISSION AIRCRAFT INVENTORY. 

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Air Force may be obligated or expended to reduce the number of KC–10 aircraft in the primary mission aircraft inventory of the Air Force.

SEC. 125. LIMITATION ON AVAILABILITY OF FUNDS FOR VC–25B AIRCRAFT. 

(a) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 or any subsequent fiscal year for the Air Force may be obligated or expended to carry out over-and-above work on the VC–25B aircraft until the date on which the Secretary of the Air Force certifies to the congressional defense committees that—

(1) with respect to work relating to aircraft paint scheme, interiors and livery, such work will not result in changes to the VC–25B aircraft that cause the aircraft to exceed—

(A) the specification requirements applicable to the VC–25A aircraft; or

(B) the quality or grade of the VC–25A aircraft;
(2) the livery for the VC–25B aircraft will comply with the criteria set forth in the report of the Boeing Company titled “Phase II Aircraft Livery and Paint Study Final Report” as submitted to the Federal Government in April 2017;

(3) such work is not a result of late design changes made by the Federal Government to the interior design of the VC–25B aircraft; and

(4) such work is not a result of rework that exceeds the criteria set forth in the report of the Boeing Company titled “Presidential Quality Interior Acceptance Standards Report” as submitted to the Federal Government in September 2018.

(b) OVER-AND-ABOVE WORK DEFINED.—In this section, the term “over-and-above work” means work discovered during the course of performing overhaul, maintenance, or repair efforts that—

(1) is within the general scope of the contract pursuant to which such efforts are carried out;

(2) is not covered by a line item for the basic work under the contract; and

(3) is necessary in order to satisfactorily complete the contract.
SEC. 126. LIMITATION ON AVAILABILITY OF FUNDS FOR RETIREMENT OF RC–135 AIRCRAFT.

(a) LIMITATION.—Except as provided in subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Air Force may be obligated or expended to retire, or prepare to retire, any RC–135 aircraft until a period of 60 days has elapsed following the date on which the Secretary of Defense certifies to the congressional defense committees that—

(1) technologies other than the RC–135 aircraft provide capacity and capabilities equivalent to the capacity and capabilities of the RC–135 aircraft; and

(2) the capacity and capabilities of such other technologies meet the requirements of combatant commanders with respect to indications and warning, intelligence preparation of the operational environment, and direct support for kinetic and non-kinetic operations.

(b) EXCEPTION.—The limitation in subsection (a) shall not apply to individual RC–135 aircraft that the Secretary of the Air Force determines, on a case-by-case basis, to be no longer mission capable because of mishaps, other damage, or being uneconomical to repair.
SEC. 127. REPORT ON AIRCRAFT FLEET OF THE CIVIL AIR PATROL.

(a) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the congressional defense committees a report on the aircraft fleet of the Civil Air Patrol.

(b) ELEMENTS.—The report required by subsection (a) shall include an assessment of each of the following:

(1) Whether the number of aircraft, types of aircraft, and operating locations that comprise the Civil Air Patrol fleet are suitable for the missions and responsibilities assigned to the Civil Air Patrol, including—

(A) flight proficiency and training;

(B) operational mission training; and

(C) support for cadet orientation and cadet flight training programs in the Civil Air Patrol wing of each State.

(2) The ideal overall size of the Civil Air Patrol aircraft fleet, including a description of the factors used to determine that ideal size.

(3) The process used by the Civil Air Patrol and the Air Force to determine the number and location of aircraft operating locations and whether State Civil Air Patrol wing commanders are appropriately involved in that process.
(4) The process used by the Civil Air Patrol, the Air Force, and other relevant entities to determine the type and number of aircraft that are needed to support the emergency, operational, and training missions of the Civil Air Patrol.

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

SEC. 131. ECONOMIC ORDER QUANTITY CONTRACTING AND BUY-TO-BUDGET ACQUISITION FOR F–35 AIRCRAFT PROGRAM.

(a) Economic Order Quantity Contract Authority.—

(1) In general.—Subject to paragraphs (2) through (5), from amounts made available for obligation under the F–35 aircraft program for fiscal year 2020, the Secretary of Defense may enter into one or more contracts, beginning with the fiscal year 2020 program year, for the procurement of economic order quantities of material and equipment that has completed formal hardware qualification testing for the F–35 aircraft program for use in procurement contracts to be awarded for such program during fiscal years 2021, 2022, and 2023.
(2) LIMITATION.—The total amount obligated under all contracts entered into under paragraph (1) shall not exceed $574,000,000.

(3) PRELIMINARY FINDINGS.—Before entering into a contract under paragraph (1), the Secretary of Defense shall make each of the following findings with respect to such contract:

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

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

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

(D) That there is a stable, certified, and qualified design for the property to be procured and that the technical risks and redesign risks associated with such property are low.
(E) The estimates of both the cost of the contract and the anticipated cost avoidance through the use of an economic order quantity contract are realistic.

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

(4) Certification Requirement.—Except as provided in paragraph (5), the Secretary of Defense may not enter into a contract under paragraph (1) until a period of 30 days has elapsed following the date on which the Secretary certifies to the congressional defense committees, in writing, that each of the following conditions is satisfied:

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

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

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

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

(E) The Secretary has determined that each of the conditions described in subparagraphs (A) through (F) of paragraph (3) will be met by such contract and has provided the basis for such determination to the congressional defense committees.

(F) The determination under subparagraph (E) was made after the completion of a cost analysis performed by the Director of Cost Assessment and Program Evaluation for the purpose of section 2334 of title 10, United States Code, and the analysis supports that determination.

(5) EXCEPTION.—Notwithstanding paragraph (4), the Secretary of Defense may enter into a con-
tract under paragraph (1) on or after March 1, 2020, if—

(A) the Director of Cost Assessment and Program Evaluation has not completed a cost analysis of the preliminary findings made by the Secretary under paragraph (3) with respect to the contract;

(B) the Secretary certifies to the congressional defense committees, in writing, that each of the conditions described in subparagraphs (A) through (E) of paragraph (4) is satisfied; and

(C) a period of 30 days has elapsed following the date on which the Secretary submits the certification under subparagraph (B).

(b) Buy-to-Budget Acquisition.—Subject to section 2308 of title 10, United States Code, using funds authorized to be appropriated by this Act for the procurement of F–35 aircraft, the Secretary of Defense may procure a quantity of F–35 aircraft in excess of the quantity authorized by this Act if such additional procurement does not require additional funds to be authorized to be appropriated because of production efficiencies or other cost reductions.
SEC. 132. PROGRAM REQUIREMENTS FOR THE F–35 AIRCRAFT PROGRAM.

(a) Designation of Major Subprogram.—In accordance with section 2430a of title 10, United States Code, the Secretary of Defense shall designate F–35 Block 4 as a major subprogram of the F–35 aircraft program.

(b) Cost Estimates.—

(1) Joint Cost Estimate.—The Secretary of the Air Force and the Secretary of the Navy shall jointly develop a joint service cost estimate for the life-cycle costs of the F–35 aircraft program.

(2) Independent Cost Estimate.—The Director of Cost Assessment and Program Evaluation shall develop an independent cost estimate for the life-cycle costs of the F–35 aircraft program.

(3) Submittal to Congress.—The cost estimates required under paragraphs (1) and (2) shall be submitted to the congressional defense committees not later than 180 days after the date of the enactment of this Act.

(c) Revision of Program Elements.—

(1) Revision Required.—The Secretary of Defense shall revise the program elements applicable to the F–35 aircraft program as follows:

(A) Research and Development.—The program element for research and development
costs (as that element was specified in the materials submitted to Congress by the Secretary of Defense in support of the budget of the President for fiscal year 2020 (as submitted to Congress under section 1105(a) of title 31, United States Code)) shall be separated into the following individual program elements:

(i) System development and demonstration closeout.

(ii) F–35 Block 4.

(iii) Autonomic logistics information system development and upgrades.

(iv) Dual-capable aircraft.

(v) Test infrastructure.

(vi) Additional program budget elements, as required, for each modernization or upgrade effort initiated after F–35 Block 4.

(B) PROCUREMENT.—The program element for procurement costs (as that element was specified in the materials submitted to Congress by the Secretary of Defense in support of the budget of the President for fiscal year 2020 (as submitted to Congress under section 1105(a) of title 31, United States Code)) shall
be separated into the following individual program elements:

(i) Recurring fly-away and ancillary equipment.

(ii) Non-recurring fly-away and ancillary equipment.

(iii) F–35 Block 4.

(iv) Autonomic logistics information system.

(v) Dual-capable aircraft.

(vi) Engineering support.

(vii) Aircraft retrofit and modification.

(viii) Depot activation.

(ix) Initial spares.

(x) Production support.

(2) Inclusion in budget materials.—The Secretary of Defense shall ensure that each revised program element described in paragraph (1) is included, with a specific dollar amount, in the materials relating to the F–35 aircraft program submitted to Congress by the Secretary of Defense in support of the budget of the President (as submitted to Congress under section 1105(a) of title 31, United States Code) for fiscal year 2021 and each
fiscal year thereafter until the date on which the F–35 aircraft program terminates.

(d) COMPTROLLER GENERAL REPORTS.—

(1) ANNUAL REPORT REQUIRED.—Not later than 30 days after the date on which the budget of the President is submitted to Congress under section 1105(a) of title 31, United States Code, for each of fiscal years 2021 through 2025, the Comptroller General of the United States shall submit to the congressional defense committees a report on the F–35 aircraft program.

(2) ELEMENTS.—Each report under paragraph (1) shall include, with respect to the F–35 aircraft program, the following:

(A) An assessment of the progress of manufacturing processes improvement under the program.

(B) The business case analysis of the Department of Defense for F–35 Block 4 follow-on modernization efforts.

(C) The progress and results of F–35 Block 4 and other follow-on modernization development and testing efforts.
(D) The Department's schedule for delivering software upgrades in six-month, scheduled increments.

(E) The progress and results of any other significant hardware development and fielding efforts necessary for F–35 Block 4.

(F) Any other issues the Comptroller General determines to be appropriate.

(e) F–35 Block 4 Defined.—In this section, the term “F–35 Block 4” means Block 4 capability upgrades for the F–35 aircraft program as described in the Selected Acquisition Report for the program submitted to Congress in March 2019, pursuant to section 2432 of title 10, United States Code.

SEC. 133. REPORTS ON F–35 AIRCRAFT PROGRAM.

(a) Report on F–35 Reliability and Maintainability Metrics.—The Secretary of Defense shall submit to the congressional defense committees a report on the reliability and maintainability metrics for the F–35 aircraft. The report shall include the following:

(1) The results of a review and assessment, conducted by the program office for the F–35 aircraft program, of the reliability and maintainability metrics for the aircraft as set forth in the most re-
cent operational requirements document for the program.

(2) A determination of whether the reliability and maintainability metrics for the aircraft, as set forth in the most recent operational requirements document for the program, are feasible and attainable, and what changes, if any, will be made to update the metrics.

(3) A certification that the program office for the F–35 aircraft program has revised the reliability and maintainability improvement plan for the aircraft—

(A) to identify specific and measurable reliability and maintainability objectives in the improvement plan guidance; and

(B) to identify and document which projects included in the improvement plan will achieve the objectives identified under subparagraph (A).

(b) REPORT ON F–35 BLOCK 4.—

(1) IN GENERAL.—The Secretary of Defense shall submit to the congressional defense committees a report on F–35 Block 4. The report shall include the following:
(A) The results of an independent cost estimate for F–35 Block 4 conducted by the Director of Cost Assessment and Program Evaluation.

(B) A test and evaluation master plan, approved by the Director of Operational Test and Evaluation, that addresses testing resources, testing aircraft shortfalls, and testing funding.

(C) A technology readiness assessment of all technologies and capabilities planned for F–35 Block 4 conducted by the Under Secretary of Defense for Research and Engineering.

(D) A review of the feasibility of the continuous capability development and delivery strategy for fielding F–35 Block 4 technologies conducted by the Under Secretary of Defense for Research and Engineering.

(2) F–35 BLOCK 4 DEFINED.—In this subsection, the term “F–35 Block 4” has the meaning given that term in section 132(e).

(c) REPORT ON F–35 AUTONOMIC LOGISTICS INFORMATION SYSTEM.—The Secretary of Defense shall submit to the congressional defense committees a report on the autonomic logistics information system of the F–35 air-
craft. The report shall include a description of each of the following:

(1) All shortfalls, capability gaps, and deficiencies in the system that have been identified as of the date of the enactment of this Act.

(2) The strategy and performance requirements that will be implemented to improve the system.

(3) The strategy, implementation plan, schedule, and estimated costs of developing and fielding—
   (A) the next generation of the system; or
   (B) future increments of the system.

(d) Deadline for Submittal.—The reports required under subsections (a) through (c) shall be submitted to the congressional defense committees not later than 180 days after the date of the enactment of this Act.

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Subtitle A—Authorization of Appropriations

SEC. 201. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2020 for the use of the Department of Defense for research, development, test, and evaluation, as specified in the funding table in section 4201.
Subtitle B—Program Requirements, Restrictions, and Limitations

SEC. 211. PROGRAM ON ENHANCEMENT OF PREPARATION OF DEPENDENTS OF MEMBERS OF ARMED FORCES FOR CAREERS IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS.

(a) PROGRAM REQUIRED.—Chapter 111 of title 10, United States Code, is amended by inserting after section 2192a the following new section:

“§ 2192b. Program on enhancement of preparation of dependents of members of armed forces for careers in science, technology, engineering, and mathematics

“(a) PROGRAM REQUIRED.—The Secretary of Defense shall carry out a program to—

“(1) enhance the preparation of students at covered schools for careers in science, technology, engineering, and mathematics; and

“(2) provide assistance to teachers at covered schools to enhance preparation described in paragraph (1).

“(b) COORDINATION.—In carrying out the program, the Secretary shall coordinate with the following:
“(1) The Secretaries of the military departments.

“(2) The Secretary of Education.

“(3) The National Science Foundation.

“(4) Other organizations as the Secretary of Defense considers appropriate.

“(c) ACTIVITIES.—Activities under the program may include the following:

“(1) Establishment of targeted internships and cooperative research opportunities at defense laboratories and other technical centers for students and teachers at covered schools.

“(2) Establishment of scholarships and fellowships for students at covered schools.

“(3) Efforts and activities that improve the quality of science, technology, engineering, and mathematics educational and training opportunities for students and teachers at covered schools, including with respect to improving the development of curricula at covered schools.

“(4) Development of travel opportunities, demonstrations, mentoring programs, and informal science education for students and teachers at covered schools.
“(d) METRICS.—The Secretary shall establish outcome-based metrics and internal and external assessments to evaluate the merits and benefits of activities conducted under the program with respect to the needs of the Department of Defense.

“(e) COVERED SCHOOLS DEFINED.—In this section, the term ‘covered schools’ means elementary or secondary schools at which the Secretary determines a significant number of dependents of members of the armed forces are enrolled.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2192a the following new item:

“2192b. Program on enhancement of preparation of dependents of members of armed forces for careers in science, technology, engineering, and mathematics.”.

SEC. 212. TEMPORARY INCLUSION OF JOINT ARTIFICIAL INTELLIGENCE CENTER OF THE DEPARTMENT OF DEFENSE IN PERSONNEL MANAGEMENT AUTHORITY TO ATTRACT EXPERTS IN SCIENCE AND ENGINEERING.

(a) In general.—Subsection (a) of section 1599h of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(6) JOINT ARTIFICIAL INTELLIGENCE CENTER.—The Director of the Joint Artificial Intelligence Center may carry out a program of personnel management authority provided in subsection (b) in order to facilitate recruitment of eminent experts in science or engineering for the Center. The authority to carry out the program under this paragraph shall terminate on December 31, 2024.”.

(b) Scope of appointment authority.—Subsection (b)(1) of such section is amended—

(1) in subparagraph (D), by striking “and” at the end;

(2) in subparagraph (E), by adding “and” at the end; and

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

“(F) in the case of the Joint Artificial Intelligence Center, appoint scientists and engi-
neers to a total of not more than 5 scientific
and engineering positions in the Center;”.

(c) EXTENSION OF TERMS OF APPOINTMENT.—Sub-
section (c)(2) of such section is amended by striking “or
the Defense Innovation Unit Experimental” and inserting
“the Defense Innovation Unit Experimental, or the Joint
Artificial Intelligence Center”.

SEC. 213. JOINT HYPERSONICS TRANSITION OFFICE.

Section 218 of the John Warner National Defense
Authorization Act for Fiscal Year 2007 (Public Law 109–
364; 10 U.S.C. 2358 note) is amended—

(1) in subsection (a), by striking “the program
required under subsection (b), and shall” and insert-
ing “the program and activities described in sub-
sections (d) through (g), and shall”;

(2) by redesignating subsections (b) through (e)
as subsections (d) through (g), respectively;

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

“(b) DIRECTOR.—There is a Director of the Office
(referred to in this section as the ‘Director’). The Director
shall be appointed by the Secretary of Defense and shall
serve as the senior official in the Department of Defense
with principal responsibility for carrying out the program
and activities described in subsections (d) through (g).
The Director shall report to the Assistant Director for Hypersonics within the Office of the Under Secretary of Defense for Research and Engineering.

“(c) UNIVERSITY CONSORTIUM.—

“(1) DESIGNATION.—The Director shall designate a consortium of institutions of higher education (as that term is defined in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001)) to lead foundational hypersonic research in research areas that the Director determines to be appropriate for the Department of Defense.

“(2) AVAILABILITY OF INFORMATION.—The Director shall ensure that the research results and reports of the consortium are made available across the Federal Government, the private sector, and academia, consistent with appropriate security classification guidance.”;

(4) in subsection (d), by striking “The Office” and inserting “The Director”;

(5) in subsection (e), as so redesignated—

(A) in the matter preceding paragraph (1), by striking “program required by subsection (b), the Office” and inserting “program required by subsection (d), the Director”;
(B) in paragraph (3)(A), by striking “private sector” and inserting “private-sector academic”; and

(C) in paragraph (5), by striking “certified under subsection (e) as being consistent with the roadmap under subsection (d)” and inserting “certified under subsection (g) as being consistent with the roadmap under subsection (f)”;

(6) in subsection (f), as so redesignated—

(A) in paragraph (3)—

(i) in subparagraph (C)—

(I) in clause (i), by striking “and” at the end;

(II) in clause (ii), by striking the period at the end and inserting “; and”;

(III) by adding at the end the following new clause:

“(iii) the activities and resources of the consortium designated by the Director under subsection (e) to be leveraged by the Department to meet such goals.”; and
(ii) in subparagraph (D), by striking “facilities” both places it appears and inserting “facilities and infrastructure”; and

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

“(4) SUBMITTAL TO CONGRESS.—

“(A) INITIAL SUBMISSION.—Not later than 180 days after the date of the enactment of this paragraph, the Secretary of Defense shall submit to the congressional defense committees the roadmap developed under paragraph (1).

“(B) SUBSEQUENT SUBMISSIONS.—The Secretary of Defense shall submit to the congressional defense committees each roadmap revised under paragraph (1) together with the budget submitted to Congress under section 1105 of title 31, United States Code, for the fiscal year concerned.”;

(7) in subsection (g), as so redesignated—

(A) by striking “subsection (d)” each place it appears and inserting “subsection (f)”;

(B) in paragraph (1)—

(i) in the matter preceding subparagraph (A), by striking “The Office” and insert “The Director”;
(ii) in subparagraph (A) by striking “research, development, test, and evaluation and demonstration programs within the Department of Defense” and inserting “defense-wide research, development, test, and evaluation and demonstration programs”; and

(iii) in subparagraph (B), by striking “the hypersonics” and inserting “all hypersonics”;

(C) in paragraph (2), by striking “The Office” and inserting “The Director”; and

(D) in paragraph (3), by striking “2016” and inserting “2026”; and

(8) by adding at the end the following new subsection:

“(h) FUNDING.—The Secretary may make available such funds to the Office for basic research, applied research, advanced technology development, prototyping, studies and analyses, and organizational support as the Secretary considers appropriate to support the efficient and effective development of hypersonics technologies and transition of those systems and technologies into acquisition programs or operational use.”.
SEC. 214. MODIFICATION OF PROOF OF CONCEPT COMMERCIALIZATION PROGRAM.

(a) EXTENSION OF PROGRAM.—Section 1603(g) of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 10 U.S.C. 2359 note) is amended by striking “2019” and inserting “2024”.

(b) ADDITIONAL IMPROVEMENTS.—Section 1603 of such Act, as amended by subsection (a), is further amended—

(1) in the section heading, by inserting “OF DUAL-USE TECHNOLOGY” after “COMMERCIALIZATION”;  

(2) in subsection (a)—

(A) by inserting “of Dual-Use Technology” before “Program”; and  

(B) by inserting “with a focus on priority defense technology areas that attract public and private sector funding, as well as private sector investment capital, including from venture capital firms in the United States,” before “in accordance”;

(3) in subsection (c)(4)(A)(iv), by inserting “, which may include access to venture capital” after “award”;  

(4) by striking subsection (d);
(5) by redesignating subsection (e) as subsection (d);

(6) by striking subsection (f); and

(7) by adding at the end the following new subsection (e):

“(e) AUTHORITIES.—In carrying out this section, the Secretary may use the following authorities:

“(1) Section 1599g of title 10 of the United States Code, relating to public-private talent exchanges.

“(2) Section 2368 of such title, relating to Centers for Science, Technology, and Engineering Partnerships.

“(3) Section 2374a of such title, relating to prizes for advanced technology achievements.

“(4) Section 2474 of such title, relating to Centers of Industrial and Technical Excellence.

“(5) Section 2521 of such title, relating to the Manufacturing Technology Program.


“(7) Section 1711 of such Act (Public Law 115–91; 10 U.S.C. 2505 note), relating to a pilot
program on strengthening manufacturing in the defense industrial base.

“(8) Section 12 of the Stevenson-Wydler Technology Innovation Act of 1980 (15 U.S.C. 3710a) and section 6305 of title 31, United States Code, relating to cooperative research and development agreements.”.

SEC. 215. CONTRACT FOR NATIONAL SECURITY RESEARCH STUDIES.

(a) CONTRACT AUTHORITY.—The Secretary of Defense, acting through the Under Secretary of Defense for Acquisition and Sustainment, shall seek to enter into a contract with a federally funded research and development center under which the private scientific advisory group known as “JASON” will provide national security research studies to the Department of Defense.

(b) TERMS OF CONTRACT.—The contract entered into under subsection (a) shall be an indefinite delivery-indefinite quantity contract with terms substantially similar to the terms of the contract in effect before March 28, 2019, under which JASON provided national security research studies to the Department of Defense (solicitation number HQ0034-19-R-0011 for JASON National Security Research Studies).
(c) TERMINATION.—The Secretary of Defense may not terminate the contract under subsection (a) until a period of 90 days has elapsed following the date on which the Secretary notifies the congressional defense committees of the intent of the Secretary to terminate the contract.

SEC. 216. JASON SCIENTIFIC ADVISORY GROUP.

Pursuant to section 173 of title 10, United States Code, the Secretary of Defense shall seek to engage the members of the private scientific advisory group known as “JASON” as advisory personnel to provide advice, on an ongoing basis, on matters involving science, technology, and national security, including methods to defeat existential and technologically-amplified threats to national security.

SEC. 217. DIRECT AIR CAPTURE AND BLUE CARBON REMOVAL TECHNOLOGY PROGRAM.

(a) PROGRAM AUTHORIZED.—

(1) IN GENERAL.—The Secretary of Defense, in coordination with the Secretary of Homeland Security, the Secretary of Energy, and the heads of such other Federal agencies as the Secretary of Defense considers appropriate, may carry out a program on research, development, testing, evaluation, study,
and demonstration of technologies related to blue carbon capture and direct air capture.

(2) **Program Goals.**—The goals of the program established under paragraph (1) are as follows:

(A) To develop technologies that capture carbon dioxide from seawater and the air to turn such carbon dioxide into clean fuels to enhance fuel and energy security.

(B) To develop and demonstrate technologies that capture carbon dioxide from seawater and the air to reuse such carbon dioxide to create products for military uses.

(C) To develop direct air capture technologies for use—

(i) at military installations or facilities of the Department of Defense; or

(ii) in modes of transportation by the Navy or the Coast Guard.

(3) **Phases.**—The program established under paragraph (1) shall be carried out in two phases as follows:

(A) The first phase may consist of research and development and shall be carried out as described in subsection (b).
(B) The second phase shall consist of testing and evaluation and shall be carried out as described in subsection (c), if the Secretary determines that the results of the research and development phase justify implementing the testing and evaluation phase.

(4) DESIGNATION.—The program established under paragraph (1) shall be known as the “Direct Air Capture and Blue Carbon Removal Technology Program” (in this section referred to as the “Program”).

(b) RESEARCH AND DEVELOPMENT PHASE.—

(1) IN GENERAL.—During the research and development phase of the Program, the Secretary of Defense may conduct research and development in pursuit of the goals set forth in subsection (a)(2).

(2) DIRECT AIR CAPTURE.—The research and development phase of the Program may include, with respect to direct air capture, a front end engineering and design study that includes an evaluation of direct air capture designs to produce fuel for use—

(A) at military installations or facilities of the Department of Defense; or

(B) in modes of transportation by the Navy or the Coast Guard.
(3) **DURATION.**—The Secretary may carry out the research and development phase of the Program commencing not later than 90 days after the date of the enactment of this Act.

(4) **GRANTS AUTHORIZED.**—The Secretary may carry out the research and development phase of the Program through the award of grants to private persons and eligible laboratories.

(5) **REPORT REQUIRED.**—Not later than 180 days after the date of the completion of the research and development phase of the Program, the Secretary shall submit to Congress a report on the research and development carried out under the Program.

(c) **TESTING AND EVALUATION PHASE.**—

(1) **IN GENERAL.**—During the testing and evaluation phase of the Program, the Secretary may, in pursuit of the goals set forth in subsection (a)(2), conduct tests and evaluations of the technologies researched and developed during the research and development phase of the Program.

(2) **DIRECT AIR CAPTURE.**—The testing and evaluation phase of the Program may include demonstration projects for direct air capture to produce fuel for use—
(A) at military installations or facilities of
the Department of Defense; or

(B) in modes of transportation by the
Navy or the Coast Guard.

(3) Duration.—Subject to subsection
(a)(3)(B), the Secretary may carry out the testing
and evaluation phase of the Program commencing
on the date of the completion of the research and
development phase described in subsection (b), ex-
cept that the testing and evaluation phase of the
Program with respect to direct air capture may com-
mence at such time after a front end engineering
and design study demonstrates to the Secretary that
commencement of such phase is appropriate.

(4) Grants Authorized.—The Secretary may
carry out the testing and evaluation phase of the
Program through the award of grants to private per-
sons and eligible laboratories.

(5) Locations.—The Secretary shall carry out
the testing and evaluation phase of the Program at
military installations or facilities of the Department
of Defense.

(6) Report Required.—Not later than Sep-
tember 30, 2026, the Secretary shall submit to Con-
gress a report on the findings of the Secretary with
respect to the effectiveness of the technologies tested and evaluated under the Program.

(d) DEFINITIONS.—In this section:

(1) **BLUE CARBON CAPTURE.**—The term “blue carbon capture” means the removal of dissolved carbon dioxide from seawater through engineered or inorganic processes, including filters, membranes, or phase change systems.

(2) **DIRECT AIR CAPTURE.**—

(A) **IN GENERAL.**—The term “direct air capture”, with respect to a facility, technology, or system, means that the facility, technology, or system uses carbon capture equipment to capture carbon dioxide directly from the air.

(B) **EXCLUSION.**—The term “direct air capture” does not include any facility, technology, or system that captures carbon dioxide—

(i) that is deliberately released from a naturally occurring subsurface spring; or

(ii) using natural photosynthesis.

(3) **ELIGIBLE LABORATORY.**—The term “eligible laboratory” means—
(A) a National Laboratory (as defined in section 2 of the Energy Policy Act of 2005 (42 U.S.C. 15801)); or

(B) the science and technology reinvention laboratories (as designated under section 1105 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84 ; 10 U.S.C. 2358 note));

(C) the Major Range and Test Facility Base (as defined in section 2358a(f)(3) of title 10, United States Code); and

(D) other facilities that support the research development, test, and evaluation activities of the Department of Defense or Department of Energy.

SEC. 218. FOREIGN MALIGN INFLUENCE OPERATIONS RESEARCH PROGRAM.

(a) Program Required.—The Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering, shall carry out a research program on foreign malign influence operations research as part of the university and other basic research programs of the Department of Defense (such as the Minerva Research Initiative).
(b) **Program Objectives.**—The objectives of the research program shall be the following:

1. To enhance the understanding of foreign malign influence operations, including activities conducted on social media platforms.

2. To facilitate the compilation, analysis, and storage of publicly available or voluntarily provided indicators of foreign malign influence operations, including those appearing on social media platforms, for the purposes of additional research.

3. To promote the development of best practices relating to tactics, techniques, procedures, and technology for the protection of the privacy of the customers and users of the social media platforms and the proprietary information of the social media companies in conducting research and analysis or compiling and storing indicators and key trends of foreign malign influence operations on social media platforms.

4. To promote collaborative research and information exchange with other relevant entities within the Department and with other agencies relating to foreign malign influence operations.
(c) PROGRAM ACTIVITIES.—In order to achieve the objectives specified in subsection (b), the Secretary is authorized to carry out the following activities:

(1) The Secretary may award research grants to eligible individuals and entities on a competitive basis.

(2) The Secretary may award financial assistance to graduate students on a competitive basis.

(d) REPORT.—Not later than March 1, 2020, the Secretary of Defense shall submit to the congressional defense committees a report on the progress of the Secretary in carrying out the research program under this section, including a description of the activities and research conducted as part of the program.

SEC. 219. SENSOR DATA INTEGRATION FOR FIFTH GENERATION AIRCRAFT.

(a) F–35 SENSOR DATA.—The Secretary of Defense shall ensure that—

(1) information collected by the passive and active on-board sensors of the F–35 Joint Strike Fighter aircraft is capable of being shared, in real time, with joint service users in cases in which the Joint Force Commander determines that sharing such information would be operationally advantageous; and
(2) the Secretary has developed achievable, effective, and suitable concepts and supporting technical architectures to collect, store, manage, and disseminate information collected by such sensors.

(b) GAO STUDY AND REPORT.—

(1) STUDY.—The Comptroller General of the United States shall conduct a study of the sensor data collection and dissemination capability of fifth generation aircraft of the Department of Defense.

(2) ELEMENTS.—The study required by paragraph (1) shall include an assessment of the following—

(A) the extent to which the Department has established doctrinal, organizational, or technological methods of managing the large amount of sensor data that is currently collected and which may be collected by existing and planned advanced fifth generation aircraft;

(B) the status of the existing sensor data collection, storage, dissemination, and management capability and capacity of fifth generation aircraft, including the F–35, the F–22, and the B–21; and

(C) the ability of the F–35 aircraft and other fifth generation aircraft to share informa-
tion collected by the aircraft in real-time with other joint service users as described in subsection (a)(1).

(3) STUDY RESULTS.—

(A) INTERIM BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Comptroller General shall provide to the congressional defense committees a briefing on the preliminary findings of the study conducted under this subsection.

(B) FINAL RESULTS.—The Comptroller General shall provide the final results of the study conducted under this subsection to the congressional defense committees at such time and in such format as is mutually agreed upon by the committees and the Comptroller General at the time of the briefing under subparagraph (A).

SEC. 220. DOCUMENTATION RELATING TO ADVANCED BATTLE MANAGEMENT SYSTEM.

(a) DOCUMENTATION REQUIRED.—Not later than the date specified in subsection (b), the Secretary of the Air Force shall submit to the congressional defense committees the following documentation relating to the Advanced Battle Management System:
(1) A list that identifies each program, project, and activity that comprises the System.

(2) The final analysis of alternatives for the System.

(3) An acquisition strategy for the System, including—

   (A) an outline of each increment of the System; and
   
   (B) the date on which each increment will reach initial operational capability and full operational capability, respectively.

(4) A capability development document for the System.

(5) An acquisition program baseline for the System.

(6) A test and evaluation master plan for the System.

(7) A life-cycle sustainment plan for the System.

(b) DATE SPECIFIED.—The date specified in this subsection is the earlier of—

   (1) the date that is 180 days after the date on which the final analysis of alternatives for the Advanced Battle Management System is completed; or
   
   (2) April 1, 2020.
(c) Advanced Battle Management System Defined.—In this section, the term “Advanced Battle Management System” means the Advanced Battle Management System of Systems capability of the Air Force, including each program, project, and activity that comprises such capability.

Sec. 221. Documentation Relating to B–52 Commercial Engine Replacement Program.

(a) Documentation Required.—The Secretary of the Air Force shall submit to the congressional defense committees the following documentation relating to the B–52 commercial engine replacement program of the Air Force:

(1) A capability development document for the program, approved by the Secretary of the Air Force.

(2) A test and evaluation master plan for the program, approved by the Director of Operational Test and Evaluation.

(b) Limitation.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Air Force, not more than 75 percent may be obligated or expended until the date on which the Secretary of the Air Force submits to the congressional
defense committees the documentation required under subsection (a).

SEC. 222. DIVERSIFICATION OF THE SCIENCE, TECHNOLOGY, RESEARCH, AND ENGINEERING WORKFORCE OF THE DEPARTMENT OF DEFENSE.

(a) ASSESSMENT REQUIRED.—

(1) IN GENERAL.—The Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering, shall conduct an assessment of critical skillsets required across the science, technology, research, and engineering workforce of the Department of Defense to support emerging and future warfighter technologies.

(2) ELEMENTS.—The assessment required by paragraph (1) shall include analysis of the following:

(A) The percentage of women and minorities employed in the workforce as of the date of the assessment.

(B) The percentage of grants, fellowships, and funding awarded to minorities and women.

(C) The effectiveness of existing hiring and attraction incentives, other encouragements, and required service agreement commitments in attracting and retaining minorities and women.
in the workforce of the Department after such individuals complete work on Department-funded research projects, grant projects, fellowships, and STEM programs.

(D) The geographical diversification of the workforce and the operating costs of the workforce across various geographic regions.

(b) PLAN REQUIRED.—

(1) IN GENERAL.—Based on the results of the assessment conducted under subsection (a), the Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering, shall develop and implement a plan to diversify and strengthen the science, technology, research, and engineering workforce of the Department of Defense.

(2) ELEMENTS.—The plan required by paragraph (1) shall—

(A) align with science and technology strategy priorities of the Department of Defense, including the emerging and future warfighter technology requirements identified by the Department;

(B) except as provided in subsection (c)(2), set forth steps for the implementation of each recommendation included in the 2013 report of
the RAND corporation titled “First Steps Toward Improving DoD STEM Workforce Diversity”; (C) harness the full range of the Department’s STEM programs and other Department-sponsored programs to develop and attract top talent; (D) use existing authorities to attract and retain students, academics, and other talent; (E) establish and use contracts, agreements, or other arrangements with institutions of higher education (as defined in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001)), including historically black colleges and universities and other minority-serving institutions (as described in section 371(a) of such Act (20 U.S.C. 1067q(a)) to enable easy and efficient access to research and researchers for Government-sponsored basic and applied research and studies at each institution, including contracts, agreements, and other authorized arrangements such as those authorized under— (i) section 217 of the National Defense Authorization Act for Fiscal Year
2018 (Public Law 115–91; 10 U.S.C. 2358 note); and

(ii) such other authorities as the Secretary determines to be appropriate; and

(F) include recommendations for changes in authorities, regulations, policies, or any other relevant areas, that would support the achievement of the goals set forth in the plan.

(3) Submital to Congress.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report that includes—

(A) the plan developed under paragraph (1); and

(B) with respect to each recommendation described in paragraph (2)(B) that the Secretary implemented or expects to implement—

(i) a summary of actions that have been taken to implement the recommendation; and

(ii) a schedule, with specific milestones, for completing the implementation of the recommendation.

(c) Deadline for Implementation.—
(1) IN GENERAL.—Except as provided in paragraph (2), not later than 18 months after the date of the enactment of this Act the Secretary of Defense shall carry out activities to implement the plan developed under subsection (b).

(2) EXCEPTION FOR IMPLEMENTATION OF CERTAIN RECOMMENDATIONS.—

(A) DELAYED IMPLEMENTATION.—The Secretary of Defense may commence implementation of a recommendation described in subsection (b)(2)(B) after the date specified in paragraph (1) if the Secretary provides the congressional defense committees with a specific justification for the delay in implementation of such recommendation on or before such date.

(B) NONIMPLEMENTATION.—The Secretary of Defense may opt not to implement a recommendation described in subsection (b)(2)(B) if the Secretary provides to the congressional defense committees, on or before the date specified in paragraph (1)—

(i) a specific justification for the decision not to implement the recommendation; and
(ii) a summary of the alternative actions the Secretary plans to take to address the issues underlying the recommendation.

(d) STEM DEFINED.—In this section, the term “STEM” means science, technology, engineering, and mathematics.

SEC. 223. POLICY ON THE TALENT MANAGEMENT OF DIGITAL EXPERTISE AND SOFTWARE PROFESSIONALS.

(a) POLICY.—

(1) IN GENERAL.—It shall be a policy of the Department of Defense to promote and maintain digital expertise and software development as core competencies of civilian and military workforces of the Department, and as a capability to support the National Defense Strategy, which policy shall be achieved by—

(A) the recruitment, development, and incentivization of retention in and to the civilian and military workforce of the Department of individuals with aptitude, experience, proficient expertise, or a combination thereof in digital expertise and software development;
(B) at the discretion of the Secretaries of
the military departments, the development and
maintenance of civilian and military career
tracks related to digital expertise, and related
digital competencies for members of the Armed
Forces, including the development and mainte-
nance of training, education, talent manage-
ment, incentives, and promotion policies in sup-
port of members at all levels of such career
tracks; and

(C) the development and application of ap-
propriate readiness standards and metrics to
measure and report on the overall capability,
capacity, utilization, and readiness of digital en-
gineering professionals to develop and deliver
operational capabilities and employ modern
business practices.

(2) DEFINITIONS.—For purposes of this sec-
tion, “digital engineering” is the discipline and set
of skills involved in the creation, processing, trans-
mission, integration, and storage of digital data, (in-
cluding but not limited to data science, machine
learning, software engineering, software product
management, and artificial intelligence product man-
agement).
(b) **Responsibility.**—

(1) **Appointment of Officer.**—Not later than 270 days after the date of enactment of this Act, the Secretary of Defense shall appoint a civilian official responsible for the development and implementation of the policy set forth in subsection (a). The official shall be known as the “Chief Digital Engineering Recruitment and Management Officer of the Department of Defense” (in this section referred to as the “Officer”).

(2) **Expiration of Appointment.**—The appointment of the Officer under paragraph (1) shall expire on September 30, 2029.

(e) **Duties.**—In developing and providing for the discharge of the policy set forth in subsection (a), the Officer shall work with the Assistant Secretaries of the military departments for Manpower and Reserve Affairs to carry out the following:

(1) Develop for, and enhance within, the recruitment programs of each Armed Force various core initiatives, programs, activities, and mechanisms, tailored to the unique needs of each Armed Force, to identify and recruit civilian employees and members of the Armed Forces with demonstrated aptitude, interest, and proficiency in digital engi-
neering, and in science, technology, engineering, and mathematics (STEM) generally, including initiatives, programs, activities, and mechanisms to target populations of individuals not typically aware of opportunities in the Department of Defense for a digital engineering career.

(2) Identify and share with the military departments best practices around the development of flexible career tracks and identifiers for digital engineering and related digital competencies and meaningful opportunities for career development, talent management, and promotion within such career tracks.

(3) Develop and maintain education, training, doctrine, rotational opportunities, and professional development activities to support the civilian and military digital engineering workforce.

(4) Coordinate and synchronize digital force management activities throughout the Department of Defense, advise the Secretary of Defense on all matters pertaining to the health and readiness of digital forces, convene a Department-wide executive steering group, and submit to Congress an annual report on the readiness of digital forces and progress
toward achieving the policy set forth in subsection (a).

(5) Create a Department-wide mechanism to track digital expertise in the workforce, develop and maintain organizational policies, strategies, and plans sufficient to build, maintain, and refresh internal capacity at scale, and report to the Secretary quarterly on the health and readiness the digital engineering workforce.

(6) Assist the military departments in designing, developing, and executing programs and incentives to retain, track, and oversee digital expertise among civilian employees of the Department and members of the Armed Forces on active duty.

(7) At the request of the Chief of Staff of an Armed Force, or the head of another component or element of the Department, undertake an executive search for key leadership positions in digital engineering in such Armed Force, component, or element, and develop and deploy agile hiring processes to fill such positions.

(8) Identify necessary changes in authorities, policies, resources, or a combination thereof to further the policy set forth in subsection (a), and submit to Congress a report on such changes.
(d) IMPLEMENTATION PLAN.—Not later than May 1, 2020, the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and the Senate a plan to carry out the requirements of this section. The plan shall include the following:

(1) An assessment of progress of the Secretary in recruiting an individual to serve as the Officer required to be appointed under subsection (b).

(2) A timeline for implementation of the requirements of this section, including input from each military department on its unique timeline.

(3) Recommendations for any legislative or administrative action required to meet the requirements of this section.

SEC. 224. DEVELOPMENT AND IMPLEMENTATION OF DIGITAL ENGINEERING CAPABILITY AND AUTOMATED SOFTWARE TESTING AND EVALUATION.

(a) CAPABILITY REQUIRED.—

(1) IN GENERAL.—The Under Secretary of Defense for Research and Engineering and the Director of Operational Test and Evaluation shall jointly design, develop, and implement a digital engineering capability and infrastructure—
(A) to provide technically accurate digital models to the acquisition process; and

(B) to serve as the foundation for automated approaches to software testing and evaluation.

(2) ELEMENTS.—The capability developed under subsection (a) shall consist of digital platforms that may be accessed by individuals throughout the Department who have responsibilities relating to the development, testing, evaluation, and operation of software. The platforms shall enable such individuals to—

(A) use systems-level digital representations and simulation environments;

(B) perform automated software testing based on criteria developed, in part, in consultation with the Under Secretary’s developmental test organization and the Director to satisfy program operational test requirements; and

(C) perform testing on a repeatable, frequent, and iterative basis.

(b) PILOT PROGRAMS.—

(1) IN GENERAL.—The Under Secretary and Director shall carry out pilot programs to dem-
onstrate whether it is possible for automated testing
to satisfy—

(A) developmental test requirements for
the software-intensive programs of the Depart-
ment of Defense; and

(B) the Director’s operational test require-
ments for such programs.

(2) NUMBER OF PILOT PROGRAMS.—The Under
Secretary and Director shall carry out not fewer
than four and not more than ten pilot programs
under this section.

(3) REQUIREMENTS.—For each pilot program
carried out under paragraph (1), the Under Sec-
retary and Director shall—

(A) conduct a cost-benefit analysis that
compares the costs and benefits of the digital
engineering and automated testing approach of
the pilot program to the nondigital engineering
based approach typically used by the Depart-
ment of Defense;

(B) ensure that the intellectual property
strategy for the pilot program supports the
data required to operate the models used under
the program; and
(C) develop a workforce and infrastructure plan to support any new policies and guidance implemented during the pilot program or after the completion of the program.

(4) CONSIDERATIONS.—In carrying out paragraph (1), the Under Secretary and Director may consider using the authorities provided under sections 873 and 874 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

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

(A) each pilot program that will be carried out under paragraph (1);

(B) software programs that may be used as part of each pilot program;

(C) selection criteria and intellectual property and licensing issues relating to such software programs;

(D) any recommendations for changes to existing law to facilitate the implementation of the pilot programs; and
(E) such other matters as the Under Secretary and Director determine to be relevant.

(6) TERMINATION.—Each pilot program carried out under paragraph (1) shall terminate not later than December 31, 2025.

(c) POLICIES AND GUIDANCE REQUIRED.—

(1) IN GENERAL.—The Under Secretary and the Director shall issue policies and guidance to implement—

(A) the digital engineering capability and infrastructure developed under subsection (a); and

(B) the pilot programs carried out under subsection (b).

(2) ELEMENTS.—The policies and guidance issued under paragraph (1) shall—

(A) specify procedures for developing and maintaining digital engineering models and the automated testing of software throughout the program life cycle;

(B) include processes for automated testing of developmental test requirements and operational test requirements;

(C) include processes for automated security testing, including—
(i) penetration testing; and

(ii) vulnerability scanning;

(D) include processes for security testing performed by individuals, including red team assessments with zero-trust assumptions;

(E) encourage the use of an automated testing capability instead of acquisition-related processes that require artifacts to be created for acquisition oversight but are not used as part of the engineering process;

(F) support the high-confidence distribution of software to the field on a time-bound, repeatable, frequent, and iterative basis;

(G) provide technically accurate models, including models of system design and performance, to the acquisition process; and

(H) ensure that models are continually updated with the newest design, performance, and testing data.

(d) CONSULTATION.—In carrying out subsections (a) through (c), the Under Secretary and Director shall consult with—

(1) the Under Secretary of Defense for Acquisition and Sustainment;

(2) the service acquisition executives;
(3) the service testing commands; and

(4) the Defense Digital Service.

(c) REPORT REQUIRED.—Not later one year after the date of the enactment of this Act, the Under Secretary and Director shall submit to the congressional defense committees a report on the progress of the Under Secretary and Director in carrying out subsections (a) through (c). The report shall include—

(1) an independent assessment conducted by the Defense Innovation Board of the progress made as of the date of the report;

(2) an explanation of how the results of the pilot programs carried out under subsection (b) will inform subsequent policy and guidance, particularly the policy and guidance of the Director of Operational Test and Evaluation; and

(3) any recommendations for changes to existing law to facilitate the implementation of subsections (a) through (c).

(f) DEFINITIONS.—In this section:

(1) The term “Under Secretary and Director” means the Under Secretary of Defense for Research and Engineering and the Director of Operational Test and Evaluation, acting jointly.
(2) The term “digital engineering” means an integrated digital approach that uses authoritative sources of system data and models as a continuum across disciplines to support life-cycle activities from concept through disposal.

(3) The term “zero-trust assumption” means a security architecture philosophy designed to prevent all threats, including insider threats and outsider threats.

(4) The term “red team assessment” means penetration tests and operations performed on a system to emulate a capable adversary to expose security vulnerabilities.

SEC. 225. PROCESS TO ALIGN POLICY FORMULATION AND EMERGING TECHNOLOGY DEVELOPMENT.

(a) ALIGNMENT OF POLICY AND TECHNOLOGICAL DEVELOPMENT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall establish a process to ensure that the policies of the Department of Defense relating to emerging technology are formulated and updated continuously as such technology is developed by the Department.

(b) ELEMENTS.—As part of the process established under subsection (a), the Secretary shall—
(1) specify the role of each covered official in ensuring that the formulation of policies relating to emerging technology is carried out concurrently with the development of such technology;

(2) establish mechanisms to ensure that the Under Secretary of Defense for Policy has the information and resources necessary to continuously formulate and update policies relating to emerging technology, including by directing the organizations and entities of the Department of Defense responsible for the development such technology—

(A) to share information with the Under Secretary;

(B) to communicate plans for the fielding and use of emerging technology to the Under Secretary; and

(C) to coordinate activities relating to such technology with the Under Secretary; and

(3) incorporate procedures for the legal review of—

(A) weapons that incorporate emerging technology; and

(B) treaties that may be affected by such technology.

c) REPORTS REQUIRED.—
(1) INTERIM REPORT.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on the progress of the Secretary in carrying out subsection (a).

(2) FINAL REPORT.—Not later than 30 days after date on which the Secretary of Defense establishes the process required under subsection (a), the Secretary shall submit to the congressional defense committees a report that describes such process.

(d) DEFINITIONS.—In this section:

(1) The term “covered official” means the Chairman of the Joint Chiefs of Staff, the Under Secretary of Defense for Research and Engineering, the Under Secretary of Defense for Policy, the commanders of the combatant commands, and the Secretaries of the military departments.

(2) The term “emerging technology” means technology determined to be in an emerging phase of development by the Secretary of Defense and includes quantum computing, technology for the analysis of large and diverse sets of data (commonly known as “big data analytics”), artificial intelligence, autonomous technology, robotics, directed energy, hypersonics, and biotechnology.
SEC. 226. LIMITATION ON TRANSITION OF STRATEGIC CAPABILITIES OFFICE OF THE DEPARTMENT OF DEFENSE.

(a) LIMITATION.—The Secretary of Defense may not transition or transfer the functions of the Strategic Capabilities Office of the Department of Defense to another organization or element of the Department until—

(1) the plan required under subsection (b) has been submitted to the congressional defense committees; and

(2) a period of 30 days has elapsed following the date on which the Secretary notifies the congressional defense committees of the intent of the Secretary to transition or transfer the functions of the Office.

(b) PLAN REQUIRED.—

(1) IN GENERAL.—The Secretary of Defense shall submit to the congressional defense committees a plan for the transition or transfer of the functions of the Strategic Capabilities Office to another organization or element of the Department of Defense.

(2) ELEMENTS.—The plan required under paragraph (1) shall include the following:

(A) A timeline for the potential transition or transfer of the activities, functions, pro-
grams, plans, and resources of the Strategic
Capabilities Office.

(B) The status of funding and execution of
current Strategic Capabilities Office projects,
including a strategy for mitigating risk to cur-
rent projects during the transition or transfer.

(C) The impact of the transition or trans-
fer on the ability of the Department to rapidly
address Combatant Command requirements.

(D) The impact of the transition or trans-
fer on the cultural attributes and core com-
petencies of the Strategic Capabilities Office
and any organization or element of the Depart-
ment of Defense affected by the realignment of
the Office.

(E) An assessment of the impact of the
transition or transfer on the relationships of the
Strategic Capabilities Office with the military
departments, Combatant Commands, Depart-
ment of Defense laboratories, the intelligence
community, and other research and develop-
ment activities.

(F) Budget and programming realignment
and prioritization of Research, Development,
Testing, and Evaluation budget activity that
will be carried out as a result of the transition or transfer.

(G) The status of the essential authorities of the Director of the Strategic Capabilities Office, including acquisition authorities, personnel management authorities, the authority to enter into support agreements and strategic partnerships, and original classification authority.

(3) FORM OF PLAN.—The plan required under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

Subtitle C—Reports and Other Matters

SEC. 231. MASTER PLAN FOR IMPLEMENTATION OF AUTHORITIES RELATING TO SCIENCE AND TECHNOLOGY REINVENTION LABORATORIES.

(a) PLAN REQUIRED.—The Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering, shall develop a master plan for using current authorities and responsibilities to strengthen and modernize the workforce and capabilities of the science and technology reinvention laboratories of the Department of Defense (referred to in this section as the “laboratories”) to enhance the ability of the laboratories
to execute missions in the most efficient and effective manner.

(b) ELEMENTS.—The master plan required under subsection (a) shall include, with respect to the laboratories, the following:

(1) A summary of hiring and staffing deficiencies at laboratories, by location, and the effect of such deficiencies on the ability of the laboratories—
   (A) to meet existing and future requirements of the Department of Defense; and
   (B) to recruit and retain qualified personnel.

(2) A summary of existing and emerging military research, development, test, and evaluation mission areas requiring the use of the laboratories.

(3) An explanation of the laboratory staffing capabilities required for each mission area identified under paragraph (2).

(4) Identification of specific projects, including hiring efforts and management reforms, that will be carried out—
   (A) to address the deficiencies identified in paragraph (1); and
   (B) to support the existing and emerging mission areas identified in paragraph (2).
(5) For each project identified under paragraph (4)—

(A) a summary of the plan for the project;

(B) an explanation of the level of priority that will be given to the project; and

(C) a schedule of required investments that will be made as part of the project.

(6) A description of how the Department, including each military department concerned, will carry out the projects identified in paragraph (3) using—

(A) current authorities and responsibilities;

and

(B) such other authorities as are determined to be relevant by the Secretary of Defense.

(7) Identification of any statutory barriers to implementing the master plan and legislative proposals to address such barriers.

(c) Consultation.—In developing the master plan required under subsection (a), the Secretary of Defense and the Under Secretary of Defense for Research and Engineering shall consult with—

(1) the Secretary of each military department;
(2) the Service Acquisition Executives with responsibilities relevant to the laboratories;

(3) the commander of each military command with responsibilities relating to research and engineering that is affected by the master plan; and

(4) any other officials determined to be relevant by the Secretary of Defense and the Under Secretary of Defense for Research and Engineering.

(d) INITIAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Research and Engineering shall submit to the congressional defense committees a report that identifies any barriers that prevent the full use and implementation of current authorities and responsibilities and such other authorities as are determined to be relevant by the Secretary of Defense, including any barriers presented by the policies, authorities, and activities of—

(1) organizations and elements of the Department of Defense; and

(2) organizations outside the Department.

(e) FINAL REPORT.—Not later than October 30, 2020, the Under Secretary of Defense for Research and Engineering shall submit to the congressional defense committees—
(1) the master plan developed under subsection (a); and
(2) a report on the activities carried out under this section.

SEC. 232. MASTER PLAN FOR INFRASTRUCTURE REQUIRED TO SUPPORT RESEARCH, DEVELOPMENT, TEST, AND EVALUATION MISSIONS.

(a) PLAN REQUIRED.—The Secretary of Defense, in consultation with the Secretaries of the military departments, shall develop and implement a master plan that addresses the research, development, test, and evaluation infrastructure and modernization requirements of the Department of Defense, including the science and technology reinvention laboratories and the facilities of the Major Range and Test Facility Base.

(b) ELEMENTS.—The master plan required under subsection (a) shall include, with respect to the research, development, test, and evaluation infrastructure of the Department of Defense, the following:

(1) A summary of deficiencies in the infrastructure, by location, and the effect of the deficiencies on the ability of the Department—

(A) to meet current and future military requirements identified in the National Defense Strategy;
(B) to support science and technology development and acquisition programs; and

(C) to recruit and train qualified personnel.

(2) A summary of existing and emerging military research, development, test, and evaluation mission areas, by location, that require modernization investments in the infrastructure—

(A) to improve operations in a manner that may benefit all users;

(B) to enhance the overall capabilities of the research, development, test, and evaluation infrastructure, including facilities and resources;

(C) to improve safety for personnel and facilities; and

(D) to reduce the long-term cost of operation and maintenance.

(3) Identification of specific infrastructure projects that are required to address the infrastructure deficiencies identified under paragraph (1) or to support the existing and emerging mission areas identified under paragraph (2).

(4) For each project identified under paragraph (3)—
(A) a description of the scope of work;

(B) a cost estimate;

(C) a summary of the plan for the project;

(D) an explanation of the level of priority
that will be given to the project; and

(E) a schedule of required infrastructure
investments.

(5) A description of how the Department, in-
cluding each military department concerned, will
carry out the infrastructure projects identified in
paragraph (3) using the range of authorities and
methods available to the Department, including—

(A) military construction authority under
section 2802 of title 10, United States Code;

(B) unspecified minor military construction
authority under section 2805(a) of such title;

(C) laboratory revitalization authority
under section 2805(d) of such title;

(D) the authority to carry out facility re-
pair projects, including the conversion of exist-
ing facilities, under section 2811 of such title;

(E) the authority provided under the De-
fense Laboratory Modernization Pilot Program
under section 2803 of the National Defense Au-
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Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2358 note);

(F) methods that leverage funding from entities outside the Department, including public-private partnerships, enhanced use leases, real property exchanges; and

(G) any other authorities and methods determined to be appropriate by the Secretary of Defense.

(6) Identification of any statutory, regulatory, or policy barriers to implementing the master plan and regulatory, policy, or legislative proposals to address such barriers.

(c) Consultation and Use of Contract Authority.—In implementing the plan required under subsection (a), the Secretary of Defense shall—

(1) consult with existing and anticipated users of the Major Range and Test Facility Base; and

(2) consider using the contract authority provided to the Secretary under section 2681 of title 10, United States Code.

(d) Submission to Congress.—Not later than October 30, 2020, the Secretary of Defense shall submit to the congressional defense committees the master plan developed under subsection (a).
(c) Research and Development Infrastructure Defined.—In this section, the term “research, development, test, and evaluation infrastructure” means the infrastructure of—

(1) the science and technology reinvention laboratories (as designated under section 1105 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84 ; 10 U.S.C. 2358 note));

(2) the Major Range and Test Facility Base (as defined in section 2358a(f)(3) of title 10, United States Code); and

(3) other facilities that support the research development, test, and evaluation activities of the Department.


(a) In General.—Not later than 270 days after the date of the enactment of this Act, the Secretary of Defense shall develop—

(1) a strategy for harnessing fifth generation (commonly known as “5G”) information and communications technologies to enhance military capabilities, maintain a technological advantage on the battlefield, and accelerate the deployment of new
commercial products and services enabled by 5G networks throughout the Department of Defense; and

(2) a plan for implementing the strategy developed under paragraph (1).

(b) ELEMENTS.—The strategy required under subsection (a) shall include the following elements:

(1) Adoption and use of secure fourth generation (commonly known as “4G”) communications technologies and the transition to advanced and secure 5G communications technologies for military applications.

(2) Science, technology, research, and development efforts to facilitate the advancement and adoption of 5G technology and new uses of 5G systems, subsystems, and components, including—

(A) 5G testbeds for developing military applications; and

(B) spectrum-sharing technologies and frameworks.

(3) Strengthening engagement and outreach with industry, academia, international partners, and other departments and agencies of the Federal Government on issues relating to 5G technology.

(4) Defense industrial base supply chain risk, management, and opportunities.
(5) Preserving the ability of the Joint Force to achieve objectives in a contested and congested spectrum environment.

(6) Strengthening the ability of the Joint Force to conduct full spectrum operations that enhance the military advantages of the United States.

(7) Securing the information technology and weapon systems of the Department against malicious activity.

(8) Such other matters as the Secretary of Defense determines to be relevant.

(c) CONSULTATION.—In developing the strategy and implementation plan required under subsection (a), the Secretary of Defense shall consult with the following:

(1) The Chief Information Officer of the Department of Defense.

(2) The Under Secretary of Defense for Research and Engineering.

(3) The Under Secretary of Defense for Acquisition and Sustainment.

(4) The Under Secretary of Defense for Intelligence.

(5) Service Acquisition Executives of each military service.
(d) Briefing.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall provide to the congressional defense committees a briefing on the progress of the Secretary in developing the strategy and implementation plan required under subsection (a).

SEC. 234. DEPARTMENT-WIDE SOFTWARE SCIENCE AND TECHNOLOGY STRATEGY.

(a) Designation of Senior Official.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering and in consultation with the Under Secretary of Defense for Acquisition and Sustainment, shall designate a single official or existing entity within the Department of Defense as the official or entity (as the case may be) with principal responsibility for guiding the direction of research and development of next generation software and software intensive systems for the Department, including the research and development of—

(1) new technologies for the creation of highly secure, reliable, and mission-critical software; and

(2) new approaches to software development, data-based analytics, and next generation management tools.
(b) DEVELOPMENT OF STRATEGY.—The official or entity designated under subsection (a) shall develop a Department-wide strategy for the research and development of next generation software and software intensive systems for the Department of Defense, including strategies for—

(1) types of software innovation efforts within the science and technology portfolio of the Department;

(2) investment in new approaches to software development, data-based analytics, and next generation management tools;

(3) ongoing research and other support of academic, commercial, and development community efforts to innovate the software development, engineering, and testing process;

(4) to the extent practicable, implementing the recommendations set forth in—

(A) the final report of the Defense Innovation Board submitted to the congressional defense committees under section 872 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1497); and

(B) the final report of the Defense Science Board Task Force on the Design and Acquisi-
tion of Software for Defense Systems described
in section 868 of the John S. McCain National
Defense Authorization Act for Fiscal Year 2019
(Public Law 115–232; 10 U.S.C. 2223 note);
(5) supporting the acquisition, technology develop-
ment, and test and operational needs of the De-
partment through the development of capabilities,
including personnel and infrastructure, and pro-
grams in—

(A) the science and technology reinvention
laboratories (as designated under section 1105
of the National Defense Authorization Act for
Fiscal Year 2010 (Public Law 111–84; 10
U.S.C. 2358 note));

(B) the facilities of the Major Range and
Test Facility Base (as defined in section
2358a(f)(3) of title 10, United States Code);

and

(C) the Defense Advanced Research
Projects Agency; and

(6) the transition of relevant capabilities and
technologies to information technology programs of
the Department, including software intensive tactical
systems, enterprise systems, and business systems.
(c) **Submittal to Congress.**—Not later than one year after the date of the enactment of this Act, the official or entity designated under subsection (a) shall submit to the congressional defense committees the strategy developed under subsection (b).

**SEC. 235. ARTIFICIAL INTELLIGENCE EDUCATION STRATEGY.**

(a) **Strategy Required.**—

(1) **In general.**—The Secretary of Defense shall develop a strategy for educating service members in relevant occupational fields on matters relating to artificial intelligence.

(2) **Elements.**—The strategy developed under subsection (a) shall include a curriculum designed to give service members a basic knowledge of artificial intelligence. The curriculum shall include instruction in—

(A) artificial intelligence design;

(B) software coding;

(C) potential military applications for artificial intelligence;

(D) the impact of artificial intelligence on military strategy and doctrine;

(E) artificial intelligence decisionmaking via machine learning and neural networks;
(F) ethical issues relating to artificial intelligence;

(G) the potential biases of artificial intelligence;

(H) potential weakness in artificial intelligence technology; and

(I) any other matters the Secretary of Defense determines to be relevant.

(b) IMPLEMENTATION PLAN.—

(1) IN GENERAL.—The Secretary of Defense shall develop a plan for implementing the strategy developed under subsection (a).

(2) ELEMENTS.—The implementation plan required under paragraph (1) shall identify the following:

(A) The military occupational specialties (applicable to enlisted members and officers) that are most likely to involve interaction with artificial intelligence technology.

(B) The specific occupational specialties that will receive training in accordance with the curriculum described in subsection (a)(2).

(C) The duration of the training.

(D) The context in which the training will be provided, which may include basic training,
occupationally specific training, and professional military education.

(E) Metrics for evaluating the effectiveness of the training and curriculum.

(F) Any other issues the Secretary of Defense determines to be relevant.

(c) Submittal to Congress.—Not later than 270 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees—

(1) the strategy developed under subsection (a); and

(2) the implementation plan developed under subsection (b).

SEC. 236. BIANNUAL REPORT ON THE JOINT ARTIFICIAL INTELLIGENCE CENTER.

(a) Report.—Not later than 90 days after the date of the enactment of this Act and biannually thereafter through the end of 2023, the Secretary of Defense shall submit to the congressional defense committees a report on the Joint Artificial Intelligence Center (referred to in this section as the “Center”).

(b) Elements.—Each report under subsection (a) shall include the following:
(1) Information relating to the mission and objectives of the Center.

(2) A description of the National Mission Initiatives, Component Mission Initiatives, and any other initiatives of the Center, including a description of—

(A) the activities carried out under the initiatives;

(B) any investments made or contracts entered into under the initiatives; and

(C) the progress of the initiatives.

(3) A description of how the Center has sought to leverage lessons learned, share best practices, avoid duplication of efforts, and transition artificial intelligence research efforts into operational capabilities by—

(A) collaborating with other organizations and elements of the Department of Defense, including the Defense Agencies and the military departments; and

(B) deconflicting the activities of the Center with the activities of other organizations and elements of the Department.

(4) A description any collaboration between—

(A) the Center and the private sector and academia; and
(B) the Center and international allies and partners.

(5) The total number of military, contractor, and civilian personnel who are employed by the Center, assigned to the Center, and performing functions in support of the Center.

(6) A description of the organizational structure and staffing of the Center.

(7) A detailed description of the frameworks, metrics, and capabilities established to measure the effectiveness of the Center and the Center’s investments in the National Mission Initiatives and Component Mission Initiatives.

(8) A description of any new policies, standards, or guidance relating to artificial intelligence that have been issued by the Chief Information Officer of the Department.

(c) JOINT ARTIFICIAL INTELLIGENCE CENTER DEFINED.—In this section, the term “Joint Artificial Intelligence Center” means the Joint Artificial Intelligence Center of the Department of Defense established pursuant to section 238 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232).
SEC. 237. QUARTERLY UPDATES ON THE OPTIONALLY MANNED FIGHTING VEHICLE PROGRAM.

(a) In General.—Beginning not later than October 1, 2019, and on a quarterly basis thereafter through October 1, 2025, the Assistant Secretary of the Army for Acquisition, Logistics, and Technology, in consultation with the Commander of the Army Futures Command, shall provide to the Committee on Armed Services of the House of Representatives a briefing on the progress of the Optionally Manned Fighting Vehicle program of the Army.

(b) Elements.—Each briefing under subsection (a) shall include, with respect to the Optionally Manned Fighting Vehicle program, the following elements:

(1) An overview of funding for the program, including identification of—

(A) any obligations and expenditures that have been made under the program; and

(B) any obligations and expenditures that are planned for the program.

(2) An overview of the program schedule.

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

(4) An assessment of the status of the program with respect to—
(A) the development and approval of technical requirements;
(B) technological maturity;
(C) testing;
(D) delivery; and
(E) program management.

SEC. 238. GRANTS FOR CIVICS EDUCATION PROGRAMS.

(a) IN GENERAL.—The Secretary of Defense shall carry out a program under which the Secretary makes grants to eligible entities, on a competitive basis, to support the development and evaluation of civics education programs.

(b) APPLICATION.—To be eligible to receive a grant under this section an eligible entity shall submit to the Secretary of Defense an application at such time, in such manner, and containing such information as the Secretary may require. Applications submitted under this subsection shall be evaluated on the basis of merit pursuant to competitive procedures prescribed by the Secretary of Defense.

(c) SELECTION CRITERIA.—To be selected to receive a grant under this section an eligible entity shall demonstrate each of the following to the satisfaction of the Secretary:
(1) The civics education program proposed by the entity will include innovative approaches for improving civics education.

(2) The entity will dedicate sufficient resources to the program.

(3) As part of the program, the entity will conduct evaluations in accordance with subsection (f)(1)(B).

(4) The entity will carry out activities to disseminate the results of the evaluations described in such subsection, including publication of the results in peer-reviewed academic journals.

(d) GEOGRAPHIC DISTRIBUTION.—To the extent practicable, the Secretary of Defense shall ensure an equitable geographic distribution of grants under this section.

(e) CONSULTATION.—In awarding grants under this section, the Secretary of Defense shall consult with the Secretary of Education.

(f) USES OF FUNDS.—

(1) REQUIRED USES OF FUNDS.—An eligible entity that receives a grant under this section shall use such grant—

(A) to establish a civics education program or to improve an existing civics education program; and
(B) to evaluate the effect of the program on participants, including with respect to—

(i) critical thinking and media literacy;

(ii) voting and other forms of political and civic engagement;

(iii) interest in employment, and careers, in public service;

(iv) understanding of United States law, history, and Government; and

(v) the ability of participants to collaborate and compromise with others to solve problems.

(2) ALLOWABLE USES OF FUNDS.—An eligible entity that receives a grant under this section may use such grant for—

(A) the development or modification of curricula relating to civics education;

(B) classroom activities, thesis projects, individual or team projects, internships, or community service activities relating to civics;

(C) collaboration with government entities, nonprofit organizations, or consortia of such entities and organizations to provide participants with civics-related experiences;
(D) civics-related faculty development programs;

(E) recruitment of educators who are highly qualified in civics education to teach civics or to assist with the development of curricula for civics education;

(F) presentation of seminars, workshops, and training for the development of skills associated with civic engagement;

(G) activities that enable participants to interact with government officials and entities;

(H) expansion of civics education programs and outreach for members of the Armed Forces, dependents and children of such members and employees of the Department of Defense; and

(I) opportunities for participants to obtain work experience in fields relating to civics.

(g) DEFINITIONS.—In this section:

(1) The term “civics education program” means an educational program that provides participants with—

(A) knowledge of law, government, and the rights of citizens; and
(B) skills that enable participants to responsibly participate in democracy.

(2) The term “eligible entity” means a Department of Defense domestic dependent elementary or secondary school (as described in section 2164 of title 10, United States Code).

**SEC. 239. TECHNOLOGY AND NATIONAL SECURITY FELLOWSHIP.**

(a) Fellowship Program.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering, may establish a civilian fellowship program designed to place eligible individuals within the Department of Defense to increase the number of national security professionals with science, technology, engineering, and mathematics credentials employed by the Department.

(2) DESIGNATION.—The fellowship program established under paragraph (1) shall be known as the “Technology and National Security Fellowship” (in this section referred to as the “fellows program”).
(3) EMPLOYMENT.—Fellows will be assigned to a one year tour of duty within the Department of Defense.

(4) PAY AND BENEFITS.—An individual assigned to a position under the fellows program shall be compensated at the rate of compensation for employees at level GS-10 of the General Schedule, and shall be treated as an employee of the United States during the term of assignment.

(b) ELIGIBLE INDIVIDUALS.—For purposes of this section, and subject to subsection (f)(3), an eligible individual is any individual who—

(1) is a citizen of the United States; and

(2) either—

(A) expects to be awarded an undergraduate or graduate degree that, as determined by the Secretary, focuses on science, technology, engineering, or mathematics course work not later than 180 days after the date on which the individual submits an application for participation in the fellows program; or

(B) possesses an undergraduate or graduate degree that, as determined by the Secretary, focuses on science, technology, engineering, or mathematics course work that was
awarded not earlier than one year before the date on which the individual submits an application for participation in the fellows program.

(c) APPLICATION REQUIRED.—Each individual seeking to participate in the fellows program shall submit to the Secretary an application therefor at such time and in such manner as the Secretary shall specify.

(d) COORDINATION.—

(1) IN GENERAL.—In carrying out this section, the Secretary may consider coordinating or partnering with the entities specified in paragraph (2).

(2) ENTITIES SPECIFIED.—The entities specified in this paragraph are the following:

(A) The National Security Innovation Network.

(B) Universities affiliated with Hacking for Defense.

(f) MODIFICATIONS TO FELLOWS PROGRAM.—As the Secretary considers necessary to modify the fellows program, and in coordination with the entities specified in subsection (d)(2), as the Secretary considers appropriate, the Secretary may—

(1) determine the length of a fellowship term;
(2) establish the rate of compensation for an individual selected to participate in the fellows program; and

(3) change the eligibility requirements for participation in the fellows program, including who is considered an eligible individual for purposes of the fellows program.

(g) CONSULTATION.—The Secretary may consult with the heads of the agencies, components, and other elements of the Department of Defense and such institutions of higher education and private entities engaged in work on national security and emerging technologies as the Secretary considers appropriate for purposes of the fellows program, including fellowship assignments.

SEC. 240. NATIONAL SECURITY COMMISSION ON DEFENSE RESEARCH AT HISTORICALLY BLACK COLLEGES AND UNIVERSITIES AND OTHER MINORITY INSTITUTIONS.

(a) ESTABLISHMENT.—

(1) IN GENERAL.—There is established in the executive branch an independent Commission to review the state of defense research at covered institutions.

(2) TREATMENT.—The Commission shall be considered an independent establishment of the Fed-
eral Government as defined by section 104 of title 5, United States Code, and a temporary organization under section 3161 of such title.

(3) DESIGNATION.—The Commission established under paragraph (1) shall be known as the “National Security Commission on Defense Research At Historically Black Colleges and Universities and Other Minority Institutions”.

(4) MEMBERSHIP.—

(A) COMPOSITION.—The Commission shall be composed of 11 members appointed as follows:

(i) The Secretary of Defense shall appoint 2 members.

(ii) The Secretary of Education shall appoint 1 member.

(iii) The Chairman of the Committee on Armed Services of the Senate shall appoint 1 member.

(iv) The Ranking Member of the Committee on Armed Services of the Senate shall appoint 1 member.

(v) The Chairman of the Committee on Armed Services of the House of Representatives shall appoint 1 member.
(vi) The Ranking Member of the Committee on Armed Services of the House of Representatives shall appoint 1 member.

(vi) The Chairman of the Committee on Health, Education, Labor, and Pensions of the Senate shall appoint 1 member.

(viii) The Ranking Member of the Committee on Health, Education, Labor, and Pensions of the Senate shall appoint 1 member.

(ix) The Chairman of the Committee on Education and Labor of the House of Representatives shall appoint 1 member.

(x) The Ranking Member of the Committee on Education and Labor of the House of Representatives shall appoint 1 member.

(B) Deadline for Appointment.—Members shall be appointed to the Commission under subparagraph (A) not later than 90 days after the date on which the commission is established.
(C) Effect of lack of appointment by appointment date.—If one or more appointments under subparagraph (A) is not made by the appointment date specified in subparagraph (B), or if a position described in subparagraph (A) is vacant for more than 90 days, the authority to make such appointment shall transfer to the Chair of the Commission.

(5) Chair and vice chair.—The Commission shall elect a Chair and Vice Chair from among its members.

(6) Terms.—Members shall be appointed for the life of the Commission. A vacancy in the Commission shall not affect its powers and shall be filled in the same manner as the original appointment was made.

(7) Status as federal employees.—Notwithstanding the requirements of section 2105 of title 5, United States Code, including the required supervision under subsection (a)(3) of such section, the members of the Commission shall be deemed to be Federal employees.

(b) Duties.—

(1) In general.—The Commission shall carry out the review described in paragraph (2). In car-
rying out such review, the Commission shall consider
the methods and means necessary to advance re-
search capacity at covered institutions to comprehen-
sively address the national security and defense
needs of the United States.

(2) SCOPE OF THE REVIEW.—In conducting the
review under paragraph (1), the Commission shall
consider the following:

(A) The competitiveness of covered institu-
tions in developing, pursuing, capturing, and
executing defense research with the Department
of Defense through contracts and grants.

(B) Means and methods for advancing the
capacity of covered institutions to conduct re-
search related to national security and defense.

(C) The advancements and investments
necessary to elevate covered institutions to R2
status on the Carnegie Classification of Institu-
tions of Higher Education, covered institutions
to R1 status on the Carnegie Classification of
Institutions of Higher Education, one covered
institution or a consortium of multiple covered
institutions to the capability of a University Af-
filiated Research Center, and identify the can-
didate institutions for each category.
(D) The facilities and infrastructure for defense-related research at covered institutions as compared to the facilities and infrastructure at universities classified as R1 status on the Carnegie Classification of Institutions of Higher Education.

(E) Incentives to attract, recruit, and retain leading research faculty to covered institutions.

(F) The legal and organizational structure of the contracting entity of covered institutions as compared to the legal and organizational structure of the contracting entity of covered institutions at universities classified as R1 status on the Carnegie Classification of Institutions of Higher Education.

(G) The ability of covered institutions to develop, protect, and commercialize intellectual property created through defense-related research.

(H) The amount of defense research funding awarded to all colleges and universities through contracts and grants for the fiscal years of 2010 through 2019, including—
(i) the legal mechanism under which the organization was formed;

(ii) the total value of contracts and grants awarded to the organization during fiscal years 2010 to 2019;

(iii) the overhead rate of the organization for fiscal year 2019;

(iv) the Carnegie Classification of Institutions of Higher Education of the associated university or college;

(v) if the associated university or college qualifies as a historically Black college or university or a minority institution.

(I) Areas for improvement in the programs executed under section 2362 of title 10, United States Code, the existing authorization to enhance defense-related research and education at covered institutions.

(J) Previous executive or legislative actions by the Federal Government to address the imbalance in federal research funding, such as the Established Program to Stimulate Competitive Research (commonly known as “EPSCoR”).
(K) Any other matters the Commission deems relevant to the advancing the defense research capacity of covered institutions.

(c) Reports.—

(1) Initial report.—Not later than 180 days after the date of the enactment of this Act, the Commission shall submit to the President and Congress an initial report on the findings of the Commission and such recommendations that the Commission may have for action by the executive branch and Congress related to the covered institutions participating in Department of Defense research and actions necessary to expand their research capacity.

(2) Final report.—Prior to the date on which the commission terminates under subsection (d), the Commission shall submit to the President and Congress a comprehensive report on the results of the review required under subsection (b).

(3) Form of reports.—Reports submitted under this subsection shall be made publically available.

(d) Termination.—The Commission shall terminate on December 31, 2021.

(e) Covered institution defined.—In this section, the term “covered institution” means—
(1) a part B institution (as that term is defined in section 322(2) of the Higher Education Act of 1965 (20 U.S.C. 1061(2)); or

(2) any other institution of higher education (as that term is defined in section 101 of such Act (20 U.S.C. 1001)) at which not less than 50 percent of the total student enrollment consists of students from ethnic groups that are underrepresented in the fields of science and engineering.

**TITLE III—OPERATION AND MAINTENANCE**

**Subtitle A—Authorization of Appropriations**

**SEC. 301. AUTHORIZATION OF APPROPRIATIONS.**

Funds are here by authorized to be appropriated for fiscal year 2020 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for operation and maintenance, as specified in the funding table in section 4301.
Subtitle B—Energy and Environment

SEC. 311. TIMELINE FOR CLEARINGHOUSE REVIEW OF APPLICATIONS FOR ENERGY PROJECTS THAT MAY HAVE AN ADVERSE IMPACT ON MILITARY OPERATIONS AND READINESS.

Section 183a(c)(1) of title 10, United States Code, is amended by striking “60 days” and inserting “90 days”.

SEC. 312. AUTHORITY TO MAKE FINAL FINDING ON DESIGNATION OF GEOGRAPHIC AREAS OF CONCERN FOR PURPOSES OF ENERGY PROJECTS WITH ADVERSE IMPACTS ON MILITARY OPERATIONS AND READINESS.

Section 183a(d)(2)(E) of title 10, United States Code, is amended—

(1) by striking “or a Principal” and inserting “a”; and

(2) by inserting “, an Assistant Secretary of Defense, or a Deputy Assistant Secretary of Defense” after “Deputy Under Secretary of Defense”.


SEC. 313. AUTHORITY TO ACCEPT CONTRIBUTIONS OF FUNDS FROM APPLICANTS FOR ENERGY PROJECTS FOR MITIGATION OF IMPACTS ON MILITARY OPERATIONS AND READINESS.

Section 183a(f) of title 10, United States Code, is amended by striking “for a project filed with the Secretary of Transportation pursuant to section 44718 of title 49” and inserting “for an energy project”.

SEC. 314. DEPARTMENT OF DEFENSE IMPROVEMENT OF PREVIOUSLY CONVEYED UTILITY SYSTEMS SERVING MILITARY INSTALLATIONS.

Section 2688 of title 10, United States Code, is amended—

(1) by redesignating subsection (k) as subsection (l); and

(2) by inserting after subsection (j) the following new subsection (k):

“(k) IMPROVEMENT OF CONVEYED UTILITY SYSTEMS.—In the case of a utility system that is conveyed under this section and that only provides utility services to a military installation, the Secretary concerned may use amounts authorized to be appropriated for military construction to improve the reliability, resilience, efficiency, physical security, or cybersecurity of the utility system.”.
SEC. 315. FIVE-YEAR AUTHORITY FOR NATIONAL GUARD ENVIRONMENTAL RESTORATION PROJECTS FOR ENVIRONMENTAL RESPONSES.

(a) IN GENERAL.—Section 2707 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(e) TEMPORARY AUTHORITY FOR NATIONAL GUARD PROJECTS.—Notwithstanding subsection (a) of this section and section 2701(c)(1) of this title, during the five-year period beginning on the date of the enactment of this subsection, the Secretary concerned may carry out an environmental restoration project if the Secretary determines that the project is necessary to carry out a response to perfluorooctanoic acid or perfluorooctane sulfonate contamination under this chapter or CERCLA.”.

(b) SAVINGS CLAUSE.—Nothing in this section, or the amendment made by this section, shall affect any requirement or authority under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601 et seq.).

SEC. 316. SALE OF ELECTRICITY FROM ALTERNATE ENERGY AND COGENERATION PRODUCTION FACILITIES.

Section 2916(b)(3) of title 10, United States Code, is amended—
(1) in subparagraph (A), by striking “and” at the end; and

(2) in subparagraph (B)—

(A) by striking “shall be available” and all that follows and inserting “shall be provided directly to the commander of the military installation in which the geothermal energy resource is located to be used for—”; and

(B) by adding at the end the following new clauses:

“(i) military construction projects described in paragraph (2) that benefit the military installation where the geothermal energy resource is located; or

“(ii) energy or water security projects that—

“(I) benefit the military installation where the geothermal energy resource is located;

“(II) the commander of the military installation determines are necessary; and

“(III) are directly coordinated with local area energy or groundwater governing authorities.”.
SEC. 317. TRANSFER AUTHORITY FOR FUNDING OF STUDY

AND ASSESSMENT ON HEALTH IMPLICATIONS

OF PER- AND POLYFLUOROALKYL SUB-

STANCES CONTAMINATION IN DRINKING

WATER BY AGENCY FOR TOXIC SUBSTANCES

AND DISEASE REGISTRY.

Section 316(a)(2)(B)(ii) of the National Defense Au-

thorization Act for Fiscal Year 2018 (Public Law 115–

91; 131 Stat. 1350), as amended by section 315(a) of the


Fiscal Year 2019 (Public Law 115–232), is amended by

striking “2019 and 2020” and inserting “2019, 2020, and

2021”.

SEC. 318. REPLACEMENT OF FLUORINATED AQUEOUS

FILM-FORMING FOAM WITH FLUORINE-FREE

FIRE-FIGHTING AGENT.

(a) USE OF FLUORINE-FREE FOAM AT MILITARY IN-

STALLATIONS.—Not later than January 31, 2025, the

Secretary of the Navy shall publish a military specification

for a fluorine-free fire-fighting agent for use at all military

installations to ensure such agent is available for use by

not later than 2027.

(b) PROHIBITION ON USE.—Fluorinated aqueous

film-forming foam may not be used at any military instal-

lation on or after September 30, 2029, or before such

date, if possible.
(c) WAIVER.—

(1) IN GENERAL.—Subject to paragraph (2), the Secretary of Defense may grant a waiver to the prohibition under subsection (b) with respect to the use of fluorinated aqueous film-forming foam at a specific military installation if the Secretary submits to the congressional defense committees, by not later than 30 days prior to issuing the waiver—

(A) notice of the waiver; and

(B) certification, in writing, that the waiver is necessary for the protection of life and safety.

(2) LIMITATION.—A waiver under this subsection shall apply for a period that does not exceed three years. The Secretary may extend any such waiver once for an additional period that does not exceed three years.

SEC. 319. PROHIBITION OF UNCONTROLLED RELEASE OF FLUORINATED AQUEOUS FILM-FORMING FOAM AT MILITARY INSTALLATIONS.

(a) PROHIBITION.—Except as provided by subsection (b), the Secretary of Defense shall prohibit the uncontrolled release of fluorinated aqueous film-forming foam (hereinafter in this section referred to as “AFFF”) at military installations.
(b) EXCEPTIONS.—Notwithstanding subsection (a), fluorinated AFFF may be released at military installations as follows:

(1) AFFF may be released for purposes of an emergency response.

(2) A non-emergency release of AFFF may be made for the purposes of testing of equipment or training of personnel, if complete containment, capture, and proper disposal mechanisms are in place to ensure no AFFF is released into the environment.

SEC. 320. PROHIBITION ON USE OF FLUORINATED AQUEOUS FILM FORMING FOAM FOR TRAINING EXERCISES.

The Secretary of Defense shall prohibit the use of fluorinated aqueous film forming foam for training exercises at military installations.

SEC. 321. REAL-TIME NOISE-MONITORING STUDY AT NAVY AND AIR FORCE INSTALLATIONS WHERE TACTICAL FIGHTER AIRCRAFT OPERATE.

(a) REAL-TIME MONITORING.—The Secretary of the Navy and the Secretary of the Air Force shall each conduct a real-time noise-monitoring study at no fewer than three Navy installations and three Air Force installations.

In conducting such study, the Secretaries shall—
(1) select installations where tactical fighter aircraft operate and noise contours have been developed through noise modeling to validate the noise contours developed through analysis and modeling at those installations; and

(2) ensure that such monitoring is conducted during times of high, medium, and low activity.

(b) REPORT REQUIRED.—Not later than December 1, 2020, the Secretary of the Navy and the Secretary of the Air Force shall jointly submit to the Committees on Armed Services of the Senate and House of Representatives a report on the real-time noise monitoring required under subsection (a). Such report shall include—

(1) the results of such monitoring;

(2) a comparison of such monitoring and the noise contours previously developed with the analysis and modeling methods previously used;

(3) an overview of any changes to the analysis and modeling process that have been made or are being considered as a result of the findings of such monitoring; and

(4) any other matters that the Secretaries determine appropriate.
SEC. 322. DEVELOPMENT OF CLIMATE VULNERABILITY
AND RISK ASSESSMENT TOOL.

(a) In General.—Not later than 180 days after the
date of the enactment of this Act, the Secretary of Defense
shall develop a climate vulnerability and risk assessment
tool to assist the military departments in measuring how
the risks associated with climate change impact networks,
systems, installations, facilities, and other assets, as well
as the operational plans and capabilities of the Depart-
ment of Defense.

(b) Consultation.—In developing the tool under
subsection (a), the Secretary shall consult with the Admin-
istrator of the Environmental Protection Agency, the Sec-
retary of Energy, the Secretary of the Interior, the Admin-
istrator of the National Oceanic and Atmospheric Admin-
istration, the Administrator of the Federal Emergency
Management Agency, the Commander of the Army Corps
of Engineers, the Administrator of the National Aero-
nautics and Space Administration, a federally funded re-
search and development center, and the heads of such
other relevant Federal agencies as the Secretary of De-
fense determines appropriate.

(c) Prevailing Scientific Consensus.—Before
completing development of the tool under subsection (a),
the Secretary shall obtain from a federally funded research
and development center with which the Secretary has con-
sulted under subsection (b) a certification in writing that the tool contains a methodology that adequately incorporates the prevailing scientific consensus on climate change.

(d) Report.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report describing the tool developed under subsection (a).

(2) CLASSIFIED ANNEX.—The report under paragraph (1) shall be submitted in unclassified form but may contain a classified annex if necessary.

(3) PUBLICATION.—Upon submittal of the report under paragraph (1), the Secretary shall publish the unclassified portion of the report on an internet website of the Department that is available to the public.

(e) UPDATES TO TOOL.—

(1) IN GENERAL.—After submittal of the report under subsection (d), the Secretary of Defense shall update the climate vulnerability and risk assessment tool developed under subsection (a) as the Secretary considers necessary and appropriate, in consultation with the individuals and entities described in sub-
section (b) and consistent with the prevailing scientific consensus as required under subsection (c).

(2) **REPORT AND PUBLICATION.**—Upon completing an update to the tool under paragraph (1), the Secretary shall—

(A) submit to the congressional defense committees a report describing such update; and

(B) publish the unclassified version of such report on an internet website of the Department that is available to the public.

**SEC. 323. PROVISION OF UNCONTAMINATED WATER FOR AGRICULTURAL USE ON LAND CONTAMINATED BY PFOS AND PFOA USED ON MILITARY INSTALLATIONS.**

(a) **FINDINGS.**—Congress makes the following findings:

(1) Perfluorooctanesulfonic acid (in this section referred to as “PFOS”) and perfluorooctanoic acid (in this section referred to as “PFOA”) are part of a class of man-made chemicals that have been used in a variety of industrial and consumer products to make the products resist heat, stains, water, and grease. Because PFOS and PFOA extinguish petroleum fires quickly, the Department of Defense and
commercial airports began using aqueous film forming foam containing PFOS and PFOA in the 1970s.

(2) PFOS and PFOA can accumulate and stay in the body for long periods of time. Exposure to PFOS and PFOA may cause health problems, including issues with the reproductive system, liver and kidney damage, developmental issues in children, and negatively impacted immune system, and cancer.

(3) A common method of human exposure to PFOS and PFOA is by consuming contaminated drinking water.

(4) The Environmental Protection Agency issued lifetime health advisories under the Safe Drinking Water Act for individual or combined PFOS and PFOA concentrations at 70 parts per trillion in 2016, but has not yet issued any guidance or regulation for groundwater or agricultural water.

(5) The Department of Defense has provided mitigations in many communities where drinking water has tested at or above the lifetime health advisory level, including bottled water and drinking water filtration systems. Due to the lack of regulatory guidance, these mitigations have not been mirrored in agricultural water systems.
(6) As a result, farmers located adjacent to military installations with PFOS and PFOA contamination that has migrated off-installation are potentially impacted, and in at least one case, such contamination has had a serious impact on the livelihood of a dairy farmer.

(b) Authority to Provide Uncontaminated Water for Agricultural Purposes.—

(1) In general.—If an area has been identified under paragraph (2), and a military installation has been determined to be the source of that contamination, the Secretary of Defense or the Secretary concerned may provide, for the purpose of producing agricultural products destined for human consumption—

(A) water sources uncontaminated with perfluoroalkyl and polyfluoroalkyl substances, including PFOA and PFOS, or

(B) treatment of contaminated waters.

(2) Identification of areas.—An area identified under this paragraph is an area for which the level of PFOA or PFOS contamination—

(A) is above the lifetime health advisory for contamination for such compounds as issued by the Environmental Protection Agency and
printed in the Federal Register on May 25, 2016;

(B) is at or above a regulatory standard set by the Food and Drug Administration for PFOA and PFOS in raw agricultural commodities and milk; or

(C) is at or above a duly promulgated, non-discriminatory standard promulgated by a State regulatory entity for PFOA and PFOS in raw agricultural commodities and milk.

(3) SOURCE OF FUNDS.—Amounts used to carry out this section shall be derived—

(A) in the case of amounts made available by the Secretary concerned, from amounts authorized to be appropriated for Operation and Maintenance for the military department concerned; or

(B) in the case of amounts made available by the Secretary of Defense, from amounts authorized to be appropriated for Operation and Maintenance, Defense-wide.

(c) SENSE OF CONGRESS REGARDING LAND ACQUISITION.—It is the sense of Congress that the Secretary concerned should explore authorities under which the Secretary could acquire land the land adjacent to military in-
installations where the owners of the land have experienced impacts to their livelihood due to PFOS and PFOA contamination that has been verified to have been caused by that installation, including the authorities under sections 2663, 2864a, and 2869 of title 10, United States Code.

Subtitle C—Logistics and Sustainment

SEC. 331. MATERIAL READINESS METRICS AND OBJECTIVES.

(a) Material Readiness Metrics and Objectives.—

(1) In general.—Chapter 2 of title 10, United States Code, is amended by inserting after section 117 the following new section:

“§ 118. Material readiness metrics and objectives

“(a) Guidance.—(1) The Secretary of Defense shall issue and maintain guidance requiring the implementation and use of material readiness metrics to enable assessment of the readiness of armed forces to carry out the national defense strategy required by section 113 of this title.

“(2) Guidance issued pursuant to this section shall ensure that such material readiness metrics—

“(A) are based on standardized and consistent criteria; and
“(B) are applied, used, recorded, and reported in same manner by all components of the Department of Defense.

“(b) METRICS.—At a minimum, the material readiness metrics required by subsection (a) shall address the material availability, operational availability, and material reliability of each major weapon system by designated mission design series, variant, or class.

“(c) MATERIAL READINESS OBJECTIVES.—(1) The Secretary of Defense shall establish, and annually review and revise, an objective value for each metric required by subsection (b) as a necessary component to support the review and revision of the national defense strategy required by section 113 of this title.

“(2) To the maximum extent practicable, the Secretary shall ensure that objective values established under this subsection are unclassified.

“(d) DEFINITIONS.—In this section:

“(1) The term ‘major weapons system’ has the meaning given the term ‘major system’ under section 2302(5) of this title, except that such term does not include an acquisition program for a defense business system (as defined in section 2222(i)(1) of this title).
“(2) The term ‘material availability’ means the measure of the percentage of the total inventory of a system that is operationally capable of performing an assigned mission.

“(3) The term ‘material reliability’ means the probability that a covered asset will perform without failure over a specified interval.

“(4) The term ‘operational availability’ means the measure of the percentage of time a covered asset is operationally capable.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 117 the following new item:

“118. Material readiness metrics and objectives.”.

(b) CONFORMING AMENDMENT.—Section 2337(b)(2)(A) of title 10, United States Code, is amended—

(1) by inserting “to meet the material readiness objectives” before “for the weapon system”; and

(2) by inserting “under section 118 of this title” after “weapon system”.

(c) DEADLINES.—

(1) DEADLINE FOR GUIDANCE.—The guidance required by section 118(a) of title 10, United States Code, as added by subsection (a), shall be issued by
not later than 180 days after the date of the enactment of this Act.

(2) Deadline for establishment of material readiness objectives.—The material readiness objectives required by section 118(c)(1) of title 10, United States Code, as added by subsection (a), shall be established by not later than one year after the date of the enactment of this Act.

SEC. 332. CLARIFICATION OF AUTHORITY REGARDING USE OF WORKING CAPITAL FUNDS FOR UNSPECIFIED MINOR MILITARY CONSTRUCTION PROJECTS RELATED TO REVITALIZATION AND RECAPITALIZATION OF DEFENSE INDUSTRIAL BASE FACILITIES.

Section 2208(u) of title 10, United States Code, is amended—

(1) in paragraph (1), by striking “carry out” and inserting “fund”;

(2) in paragraph (2)—

(A) by striking “Section 2805” and inserting “(A) Except as provided in subparagraph (B), section 2805”;

(B) by striking “carried out with” and inserting “funded using”; and
(C) by adding at the end the following new subparagraph:

“(B) For purposes of applying subparagraph (A), the dollar limitation specified in subsection (a)(2) of section 2805 of this title, subject to adjustment as provided in subsection (f) of such section, shall apply rather than the dollar limitation specified in subsection (c) of such section.”; and

(3) in paragraph (4), by striking “carry out” and inserting “fund”.

SEC. 333. F–35 JOINT STRIKE FIGHTER SUSTAINMENT.

(a) LIMITATION ON USE OF FUNDS.—Of the amounts authorized to be appropriated or otherwise made available in this Act for the Office of the Under Secretary of Defense for Acquisition and Sustainment for fiscal year 2020, not more than 75 percent may be obligated or expended until the date on which the Under Secretary submits the report required by subsection (b).

(b) REPORT REQUIRED.—The Under Secretary of Defense for Acquisition and Sustainment shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on steps being taken to improve the availability and accountability of F–35 parts within the supply chain. At a minimum, the report
shall include a detailed plan for each of the following elements:

(1) How the accountable property system of record will be updated with information from the prime contractors supplying such parts on required cost and related data with respect to the parts and how the F–35 Program Office will ensure such contractors are adhering to contractual requirements for the management, reporting, visibility, and accountability of all such parts supplied by the prime contractors.

(2) How the accountability property system of record will have interfaces that allow the F–35 Program Office and other authorized entities to have proper accountability of assets in accordance with applicable Department of Defense Instructions, Department of Defense Manuals, and other applicable regulations.

(3) How the F–35 Program Office and the Secretary of each of the military departments will ensure business rules for the prioritization of F–35 parts across all program participants is sufficient, effective, and responsive.

(4) Steps being taken to ensure parts within the base, afloat, and deployment spares packages are
compatible for deploying F–35 aircraft and account
for updated parts demand.

SEC. 334. REPORT ON STRATEGIC POLICY FOR
PREPOSITIONED MATERIEL AND EQUIP-
MENT.

(a) REPORT REQUIRED.—Not later than March 1,
2020, the Assistant Secretary of Defense for Sustainment,
in coordination with the Joint Staff, shall submit to the
Committees on Armed Services of the Senate and House
of Representatives a report on the implementation plan
for prepositioned materiel and equipment required by sec-
tion 321(b) of the National Defense Authorization Act for
Fiscal Year 2014 (Public Law 113–66; 127 Stat. 730; 10
U.S.C. 2229 note). Such report shall include each of the
following:

(1) A comprehensive list of the prepositioned
materiel and equipment programs of the Department
of Defense.

(2) A detailed description of how the plan will
be implemented.

(3) A description of the resources required to
implement the plan, including the amount of funds
and personnel.

(4) A description of how the plan will be re-
viewed and assessed to monitor progress.
(5) Guidance on applying a consistent definition of prepositioning across the Department, including the military departments, the combatant commands, and the Defense Agencies.

(6) A detailed description of how the Secretary will implement a joint oversight approach of the prepositioning programs of the military departments.

(b) LIMITATION ON USE OF FUNDS.—Of the amounts authorized to be appropriated or otherwise made available in this Act for the Office of the Assistant Secretary of Defense for Sustainment for fiscal year 2020, not more than 75 percent may be obligated or expended until the date on which the Assistant Secretary submits the report required by subsection (a).

SEC. 335. LIMITATION ON USE OF FUNDS FOR IMPLEMENTATION OF ELEMENTS OF MASTER PLAN FOR REDEVELOPMENT OF FORMER SHIP REPAIR FACILITY IN GUAM.

(a) LIMITATION.—Except as provided in subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for the Navy for fiscal year 2020 may be obligated or expended for any construction, alteration, repair, or development of the real property consisting of the Former Ship Repair Facility in Guam.
(b) EXCEPTION.—The limitation under subsection (a) does not apply to any project that directly supports depot-level ship maintenance capabilities, including the mooring of a floating dry dock.

(c) FORMER SHIP REPAIR FACILITY IN GUAM.—In this section, the term “Former Ship Repair Facility in Guam” means the property identified by that name under the base realignment and closure authority carried out under the Defense Base Closure and Realignment Act of 1990 (part A of title XXIX of Public Law 101–510; 10 U.S.C. 2687 note).

Subtitle D—Reports

SEC. 341. READINESS REPORTING.

(a) READINESS REPORTING SYSTEM.—Section 117 of title 10, United State Code, is amended—

(1) by striking subsections (d) through (g); and

(2) by redesignating subsection (h) as subsection (d).

(b) QUARTERLY REPORTS.—Section 482 of title 10, United States Code, is amended—

(1) in the section heading, by striking “Quarterly reports: personnel and unit readiness” and inserting “Readiness reports”;

(2) in subsection (a)—
(A) In the subsection heading, by striking “QUARTERLY REPORTS REQUIRED” and inserting “REPORTS AND BRIEFINGS”;

(B) In the first sentence—

(i) by striking “Not later” and inserting “(1) Not later”; and

(ii) by striking “each calendar-year quarter” and inserting “the second and fourth quarter of each calendar year”;

(C) by striking the second and third sentences and inserting “The Secretary of Defense shall submit each such report in writing and shall also submit a copy of each such report to the Chairman of the Joint Chiefs of Staff.”;

and

(D) by adding at the end the following new paragraphs:

“(2) Not later than 30 days after the end of the first and third quarter of each calendar year, the Secretary of Defense shall provide to Congress a briefing regarding the military readiness of the active and reserve components.

“(3) Each report under this subsection shall contain the elements required by subsection (b) for the quarter covered by the report, and each briefing shall address any
changes to the elements described in subsection (b) since
the submittal of the most recently submitted report.”;

(3) by striking subsection (b) and inserting the
following:

“(b) REQUIRED ELEMENTS.—The elements de-
scribed in this subsection are each of the following:

“(1) A description of each readiness problem or
deficiency that affects the ground, sea, air, space,
cyber, or special operations forces, and any other
area determined appropriate by the Secretary of De-
fense.

“(2) The key contributing factors, indicators,
and other relevant information related to each iden-
tified problem or deficiency.

“(3) The short-term mitigation strategy the De-
partment will employ to address each readiness
problem or deficiency until a resolution is in place,
as well as the timeline, cost, and any legislative rem-
edies required to support the resolution.

“(4) A summary of combat readiness ratings
for the key force elements assessed, including spe-
cific information on personnel, supply, equipment,
and training problems or deficiencies that affect the
combat readiness ratings for each force element.
(5) A summary of each upgrade or downgrade of the combat readiness of a unit that was issued by the commander of the unit, together with the rationale of the commander for the issuance of such upgrade or downgrade.

(6) A summary of the readiness of supporting capabilities, including infrastructure, prepositioned equipment and supplies, and mobility assets, and other supporting logistics capabilities.

(7) A summary of the readiness of the combat support and related agencies, any readiness problem or deficiency affecting any mission essential tasks of any such agency, and actions recommended to address any such problem or deficiency.

(8) A list of all Class A, Class B, and Class C mishaps that occurred in operations related to combat support and training events involving aviation, ground, or naval platforms, weapons, space, or Government vehicles, as defined by Department of Defense Instruction 6055.07, or a successor instruction.

(9) Information on the extent to which units of the armed forces have removed serviceable parts, supplies, or equipment from one vehicle, vessel, or
aircraft in order to render a different vehicle, vessel, or aircraft operational.

“(10) Such other information as determined necessary or appropriate by the Secretary of De-

fense.”;

(4) by striking subsections (d) through (h) and subsection (j);

(5) by redesignating subsection (i) as subsection (e); and

(6) by inserting after subsection (c) the fol-

lowing new subsections (d):

“(d) SEMI-ANNUAL JOINT FORCE READINESS RE-

VIEW.—(1) Not later than 30 days after the last day of the first and third quarter of each calendar year, the Chairman of the Joint Chiefs of Staff shall submit to Con-
gress a written report on the capability of the armed forces, the combat support and related agencies, oper-

ational contract support, and the geographic and func-
tional combatant commands to execute their wartime mis-
sions based upon their posture and readiness as of the time the review is conducted.

“(2) The Chairman shall produce the report required under this subsection using information derived from the quarterly reports required by subsection (a).
“(3) Each report required by this subsection shall in-
clude an assessment by each commander of a geographic
or functional combatant command of the readiness of the
command to conduct operations in a multidomain battle
that integrates ground, sea, air, space, cyber, and special
operations forces.

“(4) The Chairman shall submit to the Secretary of
Defense a copy of each report under this subsection.”.

(e) Clerical Amendment.—The table of sections
at the beginning of chapter 23 of such title is amended
by striking the item relating to section 482 and inserting
the following new item:

“482. Readiness reports.”.

SEC. 342. EXTENSION OF DEADLINE FOR TRANSITION
FROM SERVICE-SPECIFIC DEFENSE READI-
NESS REPORTING SYSTEMS.

Section 358(c) of the John S. McCain National De-
fense Authorization Act for Fiscal Year 2019 (Public Law
115–232) is amended by striking “October 1, 2019” and
inserting “October 1, 2020”.

SEC. 343. REPORT ON NAVY SHIP DEPOT MAINTENANCE
BUDGET.

(a) In General.—Not later than March 1 of each
of 2020, 2021, and 2022, the Secretary of the Navy shall
submit to the Committees on Armed Services of the Sen-
ate and the House of Representatives a report on the Op-
eration and Maintenance Ship Depot Maintenance budget sub-activity group.

(b) ELEMENTS.—The report required under subsection (a) shall include each of the following elements:

(1) A breakdown of funding, categorized by class of ship, requested for ship and submarine maintenance.

(2) A description of how the requested funding, categorized by class of ship, compares to the identified ship maintenance requirement.

(3) The amount of funds appropriated for each class of ship for the preceding fiscal year.

(4) The amount of funds obligated and expended for each class of ship for each of the three preceding fiscal years.

(5) The cost, categorized by class of ship, of unplanned growth work for each of the three preceding fiscal years.

SEC. 344. REPORT ON RUNIT DOME.

(a) REPORT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Energy, in coordination with the Administrator of the Environmental Protection Agency and Secretary of Defense, shall submit to the Committee on Energy and Commerce, the Committee on Natural Resources, and the
Committee on Armed Services of the House of Representatives and the Committee on Armed Services and the Committee on Energy and Natural Resources of the Senate a report on the status of the Runit Dome in the Marshall Islands.

(b) MATTERS FOR INCLUSION.—The report required by subsection (a) shall include each of the following:

(1) A detailed plan to remove the radioactive materials in the dome to a safer and more stable location, including a predicted timeline and associated costs.

(2) A detailed plan to repair the dome to ensure that it does not have any harmful effects to the local population, environment, or wildlife, including the projected costs of implementing such plan.

(3) The effects on the environment that the dome has currently and is projected to have in 5 years, 10 years, and 20 years.

(4) An assessment on the safety of food gathered from local food sources.

(5) An assessment of the current condition of the outer constructs of the dome.

(6) An assessment of the current and long-term safety to local humans posed by the site.
(7) How climate change and rising sea levels are predicted to affect the dome, including a description of projected scenarios if the dome becomes partially or fully submerged by ocean water.

(8) A summary of interactions between the Government of the United States and the government of the Marshall Islands about the dome.

(9) A detailed description of the physical health effects on Pacific Islanders, including residents of Hawaii, Fuji, and Samoa, of nuclear testing conducted at Runit Dome.

(10) A detailed description of the pre- and post-nuclear test communications between the United States and the governments of the territories and nations of the Pacific Islands, including Hawaii, Fuji, and Samoa.

(c) FORM OF REPORT.—The report required by subsection (a) shall be submitted in unclassified form and made publicly available.

Subtitle E—Other Matters

SEC. 351. INCLUSION OF OVER-THE-HORIZON RADARS IN EARLY OUTREACH PROCEDURES.

Section 183a(e)(6) of title 10, United States Code, is amended by striking “or airport surveillance radar” and
inserting “‘, airport surveillance radar, or wide area surveillance over-the-horizon radar’”.

SEC. 352. EXTENSION OF AUTHORITY FOR SECRETARY OF DEFENSE TO USE DEPARTMENT OF DEFENSE REIMBURSEMENT RATE FOR TRANSPORTATION SERVICES PROVIDED TO CERTAIN NON-DEPARTMENT OF DEFENSE ENTITIES.

Section 2642(b) of title 10, United States Code, is amended by striking “October 1, 2019” and inserting “October 1, 2024”.

SEC. 353. EXPANDED TRANSFER AND ADOPTION OF MILITARY ANIMALS.

Section 2583 of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) in the subsection heading, by inserting “TRANSFER OR” before “ADOPTION”; and

(B) by striking “adoption” each place it appears and inserting “transfer or adoption”;

(2) in subsection (b)—

(A) in the subsection heading, by inserting “TRANSFER OR” before “ADOPTION”; and

(B) in the first sentence, by striking “adoption” and inserting “transfer or adoption”; and
(C) in the second sentence, by striking “adoptability” and inserting “transferability or adoptability”;

(3) in subsection (c)(1)—

(A) in the matter preceding subparagraph (A), by inserting “transfer or” before “adoption”;

(B) in subparagraphs (A) and (B), by inserting “adoption” before “by”;

(C) in subparagraph (B), by inserting “or organizations” after “persons”; and

(D) in subparagraph (C), by striking “by” and inserting “transfer to”;

(4) in subsection (e)—

(A) in the subsection heading, by inserting “OR ADOPTED” after “TRANSFERRED”;

(B) in paragraphs (1) and (2), by striking “transferred” each place it appears and inserting “transferred or adopted”; and

(C) in paragraph (2), by striking “transfer” each place it appears and inserting “transfer or adoption”;

(5) in subsection (f)—
(A) in the subsection heading, by striking “TRANSFER OF RETIRED” and inserting “TRANSPORTATION OF RETIRING”; and

(B) in paragraph (1), by striking “transfer” and inserting “transport”;

(6) in subsection (g)(3), by striking “adoption of military working dogs” and all that follows through the period at the end and inserting “transfer of military working dogs to law enforcement agencies before the end of the dogs’ useful working lives.”; and

(7) in subsection (h)(2), by striking “A horse” and inserting “An equid (horse, mule, or donkey)”.

SEC. 354. EXTENSION OF AUTHORITY OF SECRETARY OF TRANSPORTATION TO ISSUE NON-PREMIUM AVIATION INSURANCE.

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

SEC. 355. DEFENSE PERSONAL PROPERTY PROGRAM.

(a) ADVISORY GROUP.—

(1) ESTABLISHMENT.—There is established an advisory group on the defense personal property program, to be known as the “Global Household Relocation Services Advisory Committee”.

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(2) MEMBERSHIP.—The advisory group shall be comprised of 15 members appointed from among individuals who represent appropriate entities as follows:

(A) One member representing United States Transportation Command appointed by the Commander of United States Transportation Command.

(B) A flag or general officer of the Armed Forces representing each of the Army, Navy, Air Force, Marine Corps, and Coast Guard appointed by the Vice Chief of Staff of the Army, Vice Chief of Naval Operations, Vice Chief of Staff of the Air Force, the Assistant Commandant of the Marine Corps, and Vice Commandant of the Coast Guard, respectively.

(C) Four members representing appropriate transportation service providers, including two small business concerns, appointed by the Assistant Secretary of Defense for Sustainment.

(D) Five members representing consumer representatives who are members of the Armed Forces or spouses of members of the Armed Forces, one of whom is appointed by the senior
non-commissioned officer of each of the Army,
Navy, Air Force, Marine Corps, and Coast
Guard.

(3) MEETINGS.—The advisory group shall con-
vene regularly to provide to the Secretary of Defense
feedback on the execution of, and any recommended
changes to, the global household goods contract.

(4) REPORTS.—

(A) QUARTERLY REPORTS.—Not later
than 30 days after the last day of a fiscal quar-
ter, the advisory group shall submit to the con-
gressional defense committees a report on the
activities and recommendations of the advisory
group during such fiscal quarter.

(B) TERMINATION OF REPORT REQUIRE-
MENT.—The requirement to submit a report
under subparagraph (A) shall terminate on the
termination date specified under paragraph
(5)(A).

(5) TERMINATION.—The advisory group shall
terminate on the date that is five years after the
date of the enactment of this Act.

(b) BUSINESS CASE ANALYSIS.—Not later than 60
days after the date of the enactment of this Act, the Com-
mander of United States Transportation Command shall
prepare a business case analysis for the proposed award
of a global household goods contract for the defense per-
sonal property program.

(c) LIMITATION.—None of the funds authorized to be
appropriated in this Act for fiscal year 2020 shall be avail-
able to enter into a global household goods contract until
the date that is 30 days after the date on which the Com-
mander of United States Transportation Command pro-
vides to the congressional defense committees a briefing
on—

(1) the business case analysis required by sub-
section (b); and

(2) the proposed structure and meeting sched-
ule for the advisory group established under sub-
section (a).

(d) DEFINITIONS.—In this section:

(1) The term “global household goods contract”
means the solicitation managed by United States
Transportation Command to engage a private entity
to manage the defense personal property program.

(2) The term “defense personal property pro-
gram” means the Department of Defense program
used to manage the shipment of the baggage and
household effects of members of the Armed Forces
under section 476 of title 37, United States Code.
SEC. 356. PUBLIC EVENTS ABOUT RED HILL BULK FUEL STORAGE FACILITY.

(a) REQUIREMENT.—At least once every calendar quarter, the Secretary of the Navy, or the designee of the Secretary, shall hold an event that is open to the public at which the Secretary shall provide up-to-date information about the Red Hill Bulk Fuel Storage Facility.

(b) TERMINATION.—The requirement to hold events under subsection (a) shall terminate on the earlier of the following dates:

(1) September 30, 2025.

(2) The date on which the Red Hill Bulk Fuel Storage Facility ceases operation.

SEC. 357. SENSE OF CONGRESS REGARDING INNOVATIVE READINESS TRAINING PROGRAM.

It is the sense of Congress that—

(1) the Innovative Readiness Training program is an effective training program for members of the Armed Forces and is highly beneficial to civilian-military relationships with local American communities;

(2) due to the geographic complexities and realities of non-contiguous States and territories, Innovative Readiness Training has lent greater benefit to such States and territories while providing unique
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and realistic training opportunities and deployment
readiness for members of the Armed Forces;

(3) the Department of Defense should pursue
continued Innovative Readiness Training opportuni-
ties, and, where applicable, strongly encourage the
use of Innovative Readiness Training in non-contig-
uous States and territories; and

(4) in considering whether to recommend a
project, the Secretary should consider the benefits of
the project to the economy of a region damaged by
natural disasters.

SEC. 358. PILOT PROGRAM ON REDUCTION OF EFFECTS OF
MILITARY AVIATION NOISE ON PRIVATE
RESIDENCES.

(a) IN GENERAL.—The Secretary of Defense shall
carry out a five-year pilot program under which the com-
mander of a military installation may provide funds for
the purpose of installing noise insulation on private resi-
dences impacted by military aviation noise from the instal-
lation.

(b) ELIGIBILITY.—To be eligible to receive funds
under the pilot program, a recipient shall enter into an
agreement with the commander to—

(1) provide at least 50 percent of the funds re-
quired to carry out the noise insulation; and
(2) ensure that the noise at any private residence where insulation is installed is reduced by at least 5 dB.

(c) USE OF FUNDS.—Funds provided under the pilot program shall be used for the installation of noise insulation at a residence—

(1) located within a Department of Defense noise contour between 65 dB day-night average sound level and 75 dB day-night average sound level as validated on a National Environmental Policy Act-compliant assessment within the past three years; and

(2) where interior noise has been measured at 45 dB day-night average sound level by the installation.

(d) GOALS AND BEST PRACTICES.—In carrying out the pilot program under this section, a commander shall use the following goals and best practices:

(1) Minimize cost in order to maximize number of homes served.

(2) Focus efforts on residences newly impacted by increased noise levels.
TITLE IV—MILITARY
PERSONNEL AUTHORIZATIONS
Subtitle A—Active Forces

SEC. 401. END STRENGTHS FOR ACTIVE FORCES.

The Armed Forces are authorized strengths for active
duty personnel as of September 30, 2020, as follows:

(1) The Army, 480,000.
(2) The Navy, 340,500.
(3) The Marine Corps, 186,200.
(4) The Air Force, 332,800.

SEC. 402. REVISIONS IN PERMANENT ACTIVE DUTY END
STRENGTH MINIMUM LEVELS.

Section 691(b) of title 10, United States Code, is
amended by striking paragraphs (1) through (4) and in-
serting the following new paragraphs:

“(1) For the Army, 480,000.
“(2) For the Navy, 340,500.
“(3) For the Marine Corps, 186,200.
“(4) For the Air Force, 332,800.”.

Subtitle B—Reserve Forces

SEC. 411. END STRENGTHS FOR SELECTED RESERVE.

(a) IN GENERAL.—The Armed Forces are authorized
strengths for Selected Reserve personnel of the reserve
components as of September 30, 2020, as follows:
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(1) The Army National Guard of the United States, 336,000.

(2) The Army Reserve, 189,500.

(3) The Navy Reserve, 59,000.

(4) The Marine Corps Reserve, 38,500.

(5) The Air National Guard of the United States, 107,700.

(6) The Air Force Reserve, 70,100.

(7) The Coast Guard Reserve, 7,000.

(b) END STRENGTH REDUCTIONS.—The end strengths prescribed by subsection (a) for the Selected Reserve of any reserve component shall be proportionately reduced by—

(1) the total authorized strength of units organized to serve as units of the Selected Reserve of such component which are on active duty (other than for training) at the end of the fiscal year; and

(2) the total number of individual members not in units organized to serve as units of the Selected Reserve of such component who are on active duty (other than for training or for unsatisfactory participation in training) without their consent at the end of the fiscal year.

(c) END STRENGTH INCREASES.—Whenever units or individual members of the Selected Reserve of any reserve
component are released from active duty during any fiscal year, the end strength prescribed for such fiscal year for the Selected Reserve of such reserve component shall be increased proportionately by the total authorized strengths of such units and by the total number of such individual members.

SEC. 412. END STRENGTHS FOR RESERVES ON ACTIVE DUTY IN SUPPORT OF THE RESERVES.

Within the end strengths prescribed in section 411(a), the reserve components of the Armed Forces are authorized, as of September 30, 2020, the following number of Reserves to be serving on full-time active duty or full-time duty, in the case of members of the National Guard, for the purpose of organizing, administering, recruiting, instructing, or training the reserve components:

(1) The Army National Guard of the United States, 30,595.
(2) The Army Reserve, 16,511.
(3) The Navy Reserve, 10,155.
(4) The Marine Corps Reserve, 2,386.
(5) The Air National Guard of the United States, 22,637.
SEC. 413. END STRENGTHS FOR MILITARY TECHNICIANS (DUAL STATUS).

The minimum number of military technicians (dual status) as of the last day of fiscal year 2020 for the reserve components of the Army and the Air Force (notwithstanding section 129 of title 10, United States Code) shall be the following:

(1) For the Army National Guard of the United States, 22,294.

(2) For the Army Reserve, 6,492.

(3) For the Air National Guard of the United States, 13,573.

(4) For the Air Force Reserve, 8,848.

SEC. 414. MAXIMUM NUMBER OF RESERVE PERSONNEL AUTHORIZED TO BE ON ACTIVE DUTY FOR OPERATIONAL SUPPORT.

During fiscal year 2020, the maximum number of members of the reserve components of the Armed Forces who may be serving at any time on full-time operational support duty under section 115(b) of title 10, United States Code, is the following:

(1) The Army National Guard of the United States, 17,000.

(2) The Army Reserve, 13,000.

(3) The Navy Reserve, 6,200.

(4) The Marine Corps Reserve, 3,000.
The Air National Guard of the United States, 16,000.

(6) The Air Force Reserve, 14,000.

Subtitle C—Authorization of Appropriations

SEC. 421. MILITARY PERSONNEL.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated for fiscal year 2020 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for military personnel, as specified in the funding table in section 4401.

(b) Construction of Authorization.—The authorization of appropriations in the subsection (a) supersedes any other authorization of appropriations (definite or indefinite) for such purpose for fiscal year 2020.

TITLE V—MILITARY PERSONNEL POLICY

Subtitle A—Officer Personnel Policy

SEC. 501. MANAGEMENT POLICIES FOR JOINT QUALIFIED OFFICERS.

Section 661(d)(3)(B) of title 10, United States Code, is amended in the third sentence by inserting “or a des-
ignee of the Chairman who is an officer of the armed forces in grade O-8 or higher” before the period.

SEC. 502. GRADE OF CHIEF OF THE VETERINARY CORPS OF THE ARMY.

Section 7084 of title 10, United States Code, is amended by adding at the end the following: “An officer appointed to that position who holds a lower grade shall be appointed in the grade of brigadier general.”

SEC. 503. AUTHORITY OF PROMOTION BOARDS TO RECOMMEND THAT OFFICERS OF PARTICULAR MERIT BE PLACED HIGHER ON PROMOTION LIST.

(a) IN GENERAL.—Section 14108 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(f) Higher Placement of Officers of Particular Merit on Promotion List.—(1) In selecting officers to be recommended for promotion, a promotion board may, when authorized by the Secretary concerned, recommend that officers of particular merit, from among those officers selected for promotion, be placed higher on the promotion list established by the Secretary under section 14308(a) of this title.
“(2) A promotion board may make a recommendation under paragraph (1) only if an officer receives the recommendation of—

“(A) a majority of the members of the promotion board; or

“(B) an alternative requirement established by the Secretary concerned and furnished to the promotion board as part of the guidelines under section 14107 of this title.

“(3) For officers who receive recommendations under paragraph (1), the board shall recommend the order in which those officers should be placed on the promotion list.”.

(b) Reports Regarding Recommendations That Officers of Particular Merit Be Placed Higher on Promotion List.—Section 14109 of such title is amended by adding at the end the following new subsection:

“(d) Report of Officers Recommended for Higher Placement on Promotion List.—A promotion board convened under section 14101(a) of this title shall, when authorized under section 14108(f) of this title, include in its report to the Secretary concerned—
“(1) the names of those officers the promotion board recommends be placed higher on the promotion list; and

“(2) the order in which the promotion board recommends those officers should be placed on the promotion list.”.

(e) Officers of particular merit appearing higher on promotion list.—Section 14308(a) of such title is amended in the first sentence by inserting “or based on particular merit, as determined by the promotion board” before the period.

SEC. 504. AVAILABILITY ON THE INTERNET OF CERTAIN INFORMATION ABOUT OFFICERS SERVING IN GENERAL OR FLAG OFFICER GRADES.

(a) Availability required.—

(1) In general.—The Secretary of each military department shall make available on an internet website of such department available to the public information specified in paragraph (2) on each officer in a general or flag officer grade under the jurisdiction of such Secretary, including any such officer on the reserve active-status list.

(2) Information.—The information on an officer specified by this paragraph to be made avail-
able pursuant to paragraph (1) is the information as
follows:

(A) The officer’s name.

(B) The officer’s current grade, duty posi-
tion, command or organization, and location of
assignment.

(C) A summary list of the officer’s past
duty assignments while serving in a general or
flag officer grade.

(b) ADDITIONAL PUBLIC NOTICE ON CERTAIN OFFI-
CERS.—Whenever an officer in a grade of O–7 or above
is assigned to a new billet or reassigned from a current
billet, the Secretary of the military department having ju-
risdiction of such officer shall make available on an inter-
net website of such department available to the public a
notice of such assignment or reassignment.

(c) LIMITATION ON WITHHOLDING OF CERTAIN IN-
FORMATION OR NOTICE.—

(1) LIMITATION.—The Secretary of a military
department may not withhold the information or no-
tice specified in subsections (a) and (b) from public
availability pursuant to subsection (a), unless and
until the Secretary notifies the Committees on
Armed Services of the Senate and House of Rep-
resentatives in writing of the information or notice
that will be so withheld, together with justification for withholding the information or notice from public availability.

(2) **LIMITED DURATION OF WITHHOLDING.**—
The Secretary concerned may withhold from the public under paragraph (1) information or notice on an officer only on the basis of individual risk or national security, and may continue to withhold such information or notice only for so long as the basis for withholding remains in force.

**Subtitle B—Reserve Component Management**

**SEC. 511. GRADE OF CERTAIN CHIEFS OF RESERVE COMPONENTS.**

(a) **IN GENERAL.**—

(1) **CHIEF OF ARMY RESERVE.**—Section 7038(b)(1) of title 10, United States Code, is amended by striking “general officers of the Army Reserve” and inserting “officers of the Army Reserve in the grade of lieutenant general and”.

(2) **CHIEF OF NAVY RESERVE.**—Section 8083(b)(1) of such title is amended by striking “flag officers of the Navy (as defined in section 8001(1))” and inserting “officers of the Navy Reserve in the grade of vice admiral and”.
(3) Commander, Marine Forces Reserve.—
Section 8084(b)(1) of such title is amended by strik-
ing “general officers of the Marine Corps (as defined
in section 8001(2))” and inserting “officers of the
Marine Corps Reserve in the grade of lieutenant
general and”.

(4) Chief of Air Force Reserve.—Section
9038(b)(1) of such title is amended by striking
“general officers of the Air Force Reserve” and in-
serting “officers of the Air Force Reserve in the
grade of lieutenant general and”.

(b) Effective Date.—The amendments made
under subsection (a) shall take effect on the date that is
one year after the date of the enactment of this Act and
shall apply to appointments made after such date.

SECTION 512. AUTHORITY TO DEFER MANDATORY SEPARA-
TION AT AGE 68 OF OFFICERS IN MEDICAL
SPECIALTIES IN THE RESERVE COMPO-
MENTS.

Section 14703(b) of title 10, United States Code, is
amended—

(1) by striking “An” and inserting “(1) Subject
to paragraph (2), an”; and

(2) by adding at the end the following new
paragraph (2):
“(2) The Secretary concerned may, with the consent of the officer, retain in an active status an officer in a medical specialty described in subsection (a) beyond the date described in paragraph (1) of this subsection if the Secretary concerned determines that such retention is necessary to the military department concerned. Each such retention shall be made on a case-by-case basis and for such period as the Secretary concerned determines appropriate.”.

SEC. 513. REPEAL OF REQUIREMENT FOR REVIEW OF CERTAIN ARMY RESERVE OFFICER UNIT VACANCY PROMOTIONS BY COMMANDERS OF ASSOCIATED ACTIVE DUTY UNITS.

Section 1113 of the Army National Guard Combat Readiness Reform Act of 1992 (Public Law 102–484; 10 U.S.C. 10105 note) is repealed.

SEC. 514. GUIDANCE FOR USE OF UNMANNED AIRCRAFT SYSTEMS BY THE NATIONAL GUARD.

(a) NEW GUIDANCE.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall issue new guidance that treats the use of unmanned aircraft systems by the National Guard for covered activities in a manner no more restrictive than the use of other aircraft for covered activities.
(b) COVERED ACTIVITIES DEFINED.—In this section, “covered activities” means the following:

(1) Emergency operations.
(2) Search and rescue operations.
(3) Defense support to civil authorities.
(4) Support under section 502(f) of title 32, United States Code.

SEC. 515. JUNIOR RESERVE OFFICERS’ TRAINING CORPS.
(a) IN GENERAL.—Section 2031(b)(3) of title 10, United States Code, is amended by inserting “and which may include instruction or activities in the fields of science, technology, engineering, and mathematics” after “duration”.
(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall take effect 180 days after the date of the enactment of this Act.

SEC. 516. JROTC COMPUTER SCIENCE AND CYBERSECURITY PROGRAM.
Chapter 102 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 2036. Computer science and cybersecurity program
“(a) PROGRAM AUTHORIZED.—The Secretary of Defense may carry out a program to enhance the preparation
of students in the Junior Reserve Officers’ Training Corps
for careers in computer science and cybersecurity.

“(b) COORDINATION.—In carrying out the program,
the Secretary shall coordinate with the following:

“(1) The Secretaries of the military departments.

“(2) The Secretary of Education.

“(3) The National Science Foundation.

“(4) The heads of such other Federal, State,
and local government entities the Secretary of De-
fense determines appropriate.

“(5) Private sector organizations the Secretary
of Defense determines appropriate.

“(c) ACTIVITIES.—Activities under the program may
include the following:

“(1) Establishment of targeted internships and
cooperative research opportunities in computer
science and cybersecurity at defense laboratories and
other technical centers for students in and instruc-
tors of the Junior Reserve Officers’ Training Corps.

“(2) Funding for training and other supports
for instructors to teach evidence-based courses in
computer science and cybersecurity to students.

“(3) Efforts and activities that improve the
quality of cybersecurity and computer science edu-
cational, training opportunities, and curricula for
students and instructors.

“(4) Development of travel opportunities, dem-
onstrations, mentoring programs, and informal com-
puter science and cybersecurity education for stu-
dents and instructors.

“(d) METRICS.—The Secretary shall establish out-
come-based metrics and internal and external assessments
to evaluate the merits and benefits of activities conducted
under the program with respect to the needs of the De-
partment of Defense.

“(e) AUTHORITIES.—In carrying out the program,
the Secretary shall, to the maximum extent practicable,
make use of the authorities under section 2193b, chapter
111, and sections 2601, 2605, and 2374a of this title, sec-
tion 219 of the Duncan Hunter National Defense Author-
ization Act for Fiscal Year 2009 (Public Law 110–417;
10 U.S.C. 2358 note), and other authorities the Secretary
determines appropriate.

“(f) REPORT.—Not later than two years after the
date of the enactment of the National Defense Authoriza-
tion Act for Fiscal Year 2020, the Secretary shall submit
to the Committees on Armed Services of the Senate and
the House of Representatives a report on activities carried
out under the program.”.
SEC. 517. PROGRAMS OF SCHOLARSHIPS FOR MEMBERS OF JUNIOR RESERVE OFFICERS’ TRAINING CORPS UNITS TOWARD OBTAINING PRIVATE PILOT’S CERTIFICATES.

(a) Programs Authorized.—Each Secretary of a military department may carry out a program to award scholarships to qualified members of units of the Junior Reserve Officers’ Training Corps under the jurisdiction of such Secretary to assist such members in obtaining a private pilot’s certificate through an institution of higher education with an accredited aviation program that is approved by such Secretary pursuant to subsection (c).

(b) Member Qualifications.—

(1) In general.—In carrying out a program under subsection (a), the Secretary of a military department shall prescribe the standards to be met by members of units of the Junior Reserve Officers’ Training Corps under the jurisdiction of such Secretary to be eligible for the award of a scholarship under the program.

(2) Uniformity across military departments.—To the extent practicable, the standards prescribed under this subsection shall be uniform across the military departments.

(c) Approved Institutions of Higher Education.—
(1) IN GENERAL.—In carrying out a program under subsection (a), the Secretary of a military department shall maintain a list of institutions of higher education (as that term is defined in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001)) at which a scholarship awarded under the program may be used toward obtaining a private pilot’s certificate.

(2) QUALIFICATIONS AND STANDARDS.—Any institution of higher education included on a list under this subsection, and any course of instruction toward obtaining a private pilot’s certificate offered by such institution, shall meet such qualifications and standards as the Secretary shall prescribe for purposes of the program. Such qualifications and standards shall include a requirement that any institution included on the list award academic credit at such institution to any member awarded a scholarship under the program for work (whether or not fully completed) on the ground school course of instruction of such institution in connection with obtaining a private pilot’s certificate.

(d) SCHOLARSHIP.—

(1) AMOUNT.—The amount of the scholarship awarded a member of a Junior Reserve Officers’
Training Corps under a program under subsection (a) shall be such amount as the Secretary of the military department concerned considers appropriate to defray, whether in whole or in part, the charges and fees of a course of instruction toward obtaining a private pilot’s certificate offered by the institution of higher education to be attended by the member in obtaining the certificate.

(2) USE.—A scholarship awarded a member under a program may be used by the member only to defray the charges and fees of an institution of higher education for a course of instruction toward obtaining a private pilot’s certificate.

(3) MAINTENANCE OF MEMBERSHIP.—A scholarship awarded an individual under a program may be used by the individual only while the individual maintains membership in a unit of a Junior Reserve Officers’ Training Corps.

(e) ANNUAL REPORTS ON PROGRAMS.—

(1) IN GENERAL.—Not later than February 28, 2021, and each year thereafter, each Secretary of a military department shall submit to Congress a report on the program, if any, carried out by such Secretary during the preceding calendar year.
(2) ELEMENTS.—Each report under paragraph (1) shall include, for the program and year covered by such report, the following:

(A) The number of scholarships awarded.

(B) The total amount of scholarships awarded.

(C) The work undertaken through such scholarships, including the number of recipients who fully completed a ground school course of instruction in connection with obtaining a private pilot’s certificate.

(f) ASSESSMENT OF RELATED PILOT PROGRAM.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a report setting forth the results of an assessment, conducted by the study group described in paragraph (2) for purposes of the report, of the pilot program conducted by the Air Force in 2018 and 2019 known as the “Air Force JROTC Flight Academy, Chief of Staff Private Pilot Scholarship Program”.

(2) STUDY GROUP.—The study group described in this paragraph shall include the following:

(A) A representative of the Department of Defense, selected by the Secretary of Defense.
(B) A representative of the headquarters of the Air Force Junior Reserve Officers’ Training Corps with experience with the pilot program, selected by the Secretary of the Air Force.

(C) In addition to the representative under subparagraph (B), a representative of each military department, selected by the Secretary of such military department.

(D) A representative of the Department of Transportation, selected by the Secretary of Transportation.

(E) A representative of the Department of Education, selected by the Secretary of Education.

(F) Representatives of such private organizations and entities as the Secretary of Defense considers appropriate.

(3) ELEMENTS.—The assessment required by paragraph (1) shall identify best practices in assisting members of the Junior Reserve Officers’ Training Corps in obtaining a private pilot’s certificate through institutions of higher education, including the most appropriate funding mechanisms for such practices.
SEC. 518. SENSE OF CONGRESS REGARDING JUNIOR RESERVE OFFICERS’ TRAINING CORPS.

It is the sense of Congress that—

(1) the Junior Reserve Officers’ Training Corps (referred to in this section as “JROTC”) contributes to an enhanced sense of pride in our Nation and in the members of the Armed Forces who serve;

(2) JROTC develops a culture dedicated to service of our great land and reinforces duty, honor and courage;

(3) the Nation has been steadily depending on a smaller and smaller minority of the population to fight its wars and protect its borders;

(4) this dwindling population risks the long-term security of our Nation and the freedoms it provides;

(5) JROTC operates in all 50 States and contributes to better grades and graduation rates; and

(6) JROTC was supported in the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232) and should be increased in fiscal year 2020, including at least 3,700 JROTC units nationwide.

SEC. 519. SENSE OF CONGRESS REGARDING THE NATIONAL GUARD YOUTH CHALLENGE PROGRAM.

It is the sense of Congress that—
(1) the National Guard Youth Challenge Program provides a vital service to at-risk youth by providing life-changing mentorship, developing self-discipline, and providing education in valuable skills; and

(2) the Secretary of Defense should use the authority provided under section 509(h)(2) of title 32, United States Code, to allow Department of Defense equipment and facilities to be used by the National Guard to maximize the support of the Department for the Youth Challenge Program.

Subtitle C—General Service Authorities and Correction of Military Records

SEC. 521. ESTABLISHMENT OF BOARD OF APPEALS REGARDING DENIED REQUESTS FOR UPGRADED DISCHARGES AND DISMISSALS.

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

“§ 1553a. Board of Discharge Appeals

“(a) Establishment.—(1) The Secretary of Defense shall establish a Board of Discharge Appeals to hear appeals of requests for upgraded discharges and dismis-
sals under section 1553 of this title that are denied by
the service review agencies.

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

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

“(2) The Board of Discharge Appeals may direct the
Secretary of the military department concerned to change
the discharge or dismissal of an appellant, or issue a new
discharge for an appellant, to reflect its findings.

“(c) DEFINITIONS.—In this section:

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

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

(b) TECHNICAL AND CONFORMING AMENDMENTS.—
(1) **TABLE OF SECTIONS.**—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 1553 the following new item:

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"1553a. Board of Discharge Appeals."
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(2) **CONFORMING AMENDMENT.**—Section 1553(b) of title 10, United States Code, is amended—

(A) by inserting "(1)" before "A board";

and

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

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"(2) If a board of review established by the Secretary of a military department denies a request for an upgraded discharge or dismissal, that denial may be appealed to the Board of Discharge Appeals under section 1553a of this title."
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(c) **DEADLINE.**—The Secretary of Defense shall establish and implement the Board of Discharge Appeals under such section 1553a of title 10, United States Code, as added by subsection (a), not later than September 30, 2020.

(d) **TRAINING.**—Each member of the Board of Discharge Appeals established under such section 1553a shall receive training under section 534(e) of the National De-

(c) REPORTING.—

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

(A) The number of appeals heard.

(B) The number of appeals granted.

(C) The number of appeals denied, including the reasons for such denials.

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

(2) ONLINE PUBLICATION.—On October 1 of each year starting in 2022, the Secretary shall publish online the information described in subparagraphs (A), (B), and (C) of paragraph (1) with regards to the preceding fiscal year.
SEC. 522. PROHIBITION ON REDUCTION IN THE NUMBER OF PERSONNEL ASSIGNED TO DUTY WITH A SERVICE REVIEW AGENCY.

(a) Prohibition.—Section 1559(a) of title 10, United States Code, is amended—

(1) by striking “December 31, 2019” and inserting “December 31, 2025”; 

(2) by striking “that agency until—” and inserting “that agency.”; and

(3) by striking subsections (1) and (2).

(b) Report.—

(1) Report required.—Not later than 180 days after the enactment of this Act, the Secretary of each military department shall submit a report to the Committees on Armed Services of the Senate and House of Representatives that details a plan to—

(A) reduce the backlog of applications before the service review agency of the military department concerned; and

(B) maintain the resources required to meet the timeliness standards for disposition of applications before the Corrections Boards under section 1557 of title 10, United States Code, not later than October 1, 2021.
(2) ELEMENTS.—Each report under this subsection shall include the following:

(A) A description of the current backlog of applications before the service review agency of the military department concerned.

(B) The number of personnel required to meet the deadline described in paragraph (1)(B).

(C) The plan of the Secretary concerned to modernize the application and review system of the service review agency of the military department concerned.

SEC. 523. ADVISORY COMMITTEE ON RECORD AND SERVICE REVIEW BOARDS.

(a) ESTABLISHMENT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall establish a Department of Defense Advisory Committee to be known as the “Defense Advisory Committee on Record and Upgrade Review Boards” (in this section referred to as the “Advisory Committee”).

(b) MEMBERSHIP.—

(1) IN GENERAL.—The Advisory Committee shall consist of not more than 15 members appointed by the Secretary of Defense, eight of whom shall be civilian practitioners or representatives of
organizations that have experience assisting members of the Armed Forces and veterans with cases before service review boards (as that term is defined in section 1555 of title 10, United States Code).

(2) Members of the Armed Forces on Active Duty Ineligible.—A member of the Armed Forces serving on active duty may not serve as a member of the Advisory Committee.

(c) Personnel.—

(1) Experience Required.—At least 35 percent of members of the staff of the Advisory Committee shall have experience described in subsection (b)(1).

(2) Director; Assistant Director.—The director and assistant director of the Advisory Committee may not both be members of the Armed Forces serving on active duty.

(3) Staff.—Not more than 65 percent of the staff of the Advisory Committee may be comprised of members of the Armed Forces serving on active duty.

(d) Duties.—The Advisory Committee shall advise the Secretary of Defense on the best structure, practices, and procedures to ensure consistency of boards for the correction of military records and service review boards.
in carrying out their responsibilities under chapter 79 of title 10, United States Code, and in granting relief to claimants under that chapter.

(e) ANNUAL REPORT.—Not later than one year after the date of the establishment of the Advisory Committee and annually thereafter for the three subsequent years, the Advisory Committee shall submit to the Secretary of Defense and the congressional defense committees a report containing observations and recommendations regarding issues of board operations and efficacy, including—

(1) granting relief at adequate rates;

(2) adhering to the intent of Congress, including regarding liberal consideration;

(3) standards for evidence, training experience and qualifications of board members;

(4) efficacy of efforts to ensure consistency across boards;

(5) case management and record keeping systems, including electronic access to board precedents;

(6) ease of personal appearances by claimants;

(7) expert review of medical and psychiatric cases; and
(8) related potential structural changes or alternative board models.

(f) TERMINATION.—The Advisory Committee shall terminate on the date that is four years after the date of establishment under subsection (a).

(g) AUTHORITIES.—The Advisory Committee shall have all normal authorities granted to advisory committees, including the ability for staff to request documents from the Department of Defense, hold public hearings, and travel in furtherance of the board mandate. The board shall also be permitted, with assistance from personnel of the Department of Defense, to administer surveys and conduct field experiments to assess the viability of different policy options considered in the course of the activities of the Advisory Committee.

SEC. 524. TIME REQUIREMENTS FOR CERTIFICATION OF HONORABLE SERVICE.

Upon the submission to the Secretary of a military department or a designated commissioned officer serving in the pay grade O-6 or higher by a member of the Armed Forces of a completed United States Citizenship and Immigration Services Form N–426, the Secretary or the Officer shall—

(1) in the case of a member of the Armed Forces who has served or is serving honorably on ac-
tive duty, provide certification that the nature of the
member’s service has been honorable by not later
than five days from receiving the form;

(2) in the case of a member of the Armed
Forces who has served or is serving honorably in a
Reserve Component of the Armed Forces, provide
such certification by not later than three weeks from
receiving the form; and

(3) in the case of a member of the Armed
Forces whose service has been other than honorable,
provide to the member notice that a certification of
honorable service will not be provided and justifica-
tion for why such certification will not be provided—

(A) in the case of a member who has
served or is serving on active duty, by not later
than five days from receiving the form; and

(B) in the case of a member who has
served or is serving in a Reserve Component, by
not later than three weeks from receiving the
form.
SEC. 525. PROHIBITION ON IMPLEMENTATION OF MILITARY SERVICE SUITABILITY DETERMINATIONS FOR FOREIGN NATIONALS WHO ARE LAWFUL PERMANENT RESIDENTS.

The Secretary of Defense may not take any action to implement the memorandum titled “Military Service Suitability Determinations for Foreign Nationals Who Are Lawful Permanent Residents”, issued by the Secretary and dated October 13, 2017, until the Secretary reports to the congressional defense committees the justification for the policy changes required by such memorandum.

SEC. 526. STRATEGIC PLAN FOR DIVERSITY AND INCLUSION.

(a) PLAN REQUIRED.—The Secretary of Defense shall design and implement a five-year strategic plan for diversity and inclusion in the Department of Defense.

(b) ELEMENTS.—The strategic plan under this section—

(1) shall be based on the strategic plan established under section 2 of Executive Order 13583 (3 Fed. Reg. 13583 (August 18, 2011));

(2) shall incorporate existing efforts to promote diversity and inclusion within the Department; and

(3) may not conflict with the objectives of the 2018 National Military Strategy.
(c) **DEADLINE.**—The Secretary shall implement the strategic plan under this section on January 1, 2020.

**SEC. 527. INDEPENDENT STUDY ON BARRIERS TO ENTRY INTO THE ARMED FORCES FOR ENGLISH LEARNERS.**

(a) **INDEPENDENT STUDY.**—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall seek to enter into a contract with a federally funded research and development center under which the center will conduct a study on barriers to entry into the Armed Forces for English learners.

(b) **ELEMENTS.**—The study under subsection (a) shall—

(1) identify barriers to entry into the Armed Forces for English learners, including—

(A) challenges with military recruiters and language proficiency;

(B) challenges with the assessment of potential recruits, including the construction and delivery of and testing time constraints related to the Armed Services Vocational Aptitude Battery;

(C) challenges with dissemination of recruiting information; and
(D) any other challenges that may be identified by the federally funded research and development center in the course of the study;

(2) the effect of such barriers on—

(A) the number of interactions recruiters have with English learners;

(B) the enlistment rate among populations of English learners; and

(C) any other effects that may be identified by the federally funded research and development center in the course of the study;

(3) an analysis of existing efforts and programs to remove barriers to entry into the Armed Forces for English learners, including an analysis of the scalability and sustainability of such efforts and programs; and

(4) additional opportunities to address such barriers, including alternative assessments and Armed Services Vocational Aptitude Battery preparation programs for English learners.

(c) SUBMITTAL TO DEPARTMENT OF DEFENSE.—
Not later than 270 days after the date of the enactment of this Act, the federally funded research and development that conducts the study under subsection (a) shall submit
to the Secretary of Defense a report on the results of the study.

(d) **Submital to Congress.**—Not later than 30 days after the date on which the Secretary of Defense receives the report under subsection (c), the Secretary shall submit to the congressional defense committees an unaltered copy of the report and any comments of the Secretary with respect to the report.

(e) **English Learner Defined.**—In this section, the term “English learner” has the meaning given that term in section 8101 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 7801).

**SEC. 528. REENLISTMENT WAIVERS FOR PERSONS SEPARATED FROM THE ARMED FORCES WHO COMMIT ONE MISDEMEANOR CANNABIS OFFENSE.**

(a) **In General.**—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall prescribe regulations that permit any Secretary of a military department to grant a reenlistment waiver to a covered person if the Secretary determines that the reenlistment of that covered person is vital to the national interest.

(b) **Definitions.**—In this section:

(1) The term “covered person” means an individual—
(A) who has separated from the Armed Forces; and

(B) who has admitted to or been convicted by a court of competent jurisdiction of a single violation—

(i) of any law of a State or the United States relating to the use or possession of cannabis;

(ii) that constitutes a misdemeanor;

and

(iii) that occurred while that individual was not on active service in the Armed Forces.

(2) The terms “active service” and “military department” have the meanings given such terms in section 101 of title 10, United States Code.

SEC. 529. SENSE OF CONGRESS REGARDING ACCESSION PHYSICALS.

(a) FINDINGS.—Congress finds the following:

(1) United States Military Entrance Processing Command (“USMEPCOM”) operates 65 Military Entrance Processing Stations (“MEPS”) dispersed throughout the 50 States and Puerto Rico.

(2) Applicants for accession into the Armed Forces must travel to the closest MEPS to receive
physical examinations, are often driven by a military
recruiter, and receive lodging at a nearby hotel, paid
for by the Armed Force represented by that re-
cruiter.

(3) In 2015, USMEPCOM reported that
473,000 applicants from the military and other
agencies processed through the 65 MEPS, for a
total of 931,000 MEPS visits.

(4) Section 1703 of title 38, United States
Code, authorizes the Secretary of Veterans Affairs
to enter into contracts with private health care pro-
viders for physical examinations.

(b) SENSE OF CONGRESS.—It is the sense of Con-
gress that the Secretary of Defense should explore alter-
 natives to centralized accession physicals at MEPS, in-
cluding conducting physicals through community health
care providers, in order to reduce transportation costs, in-
crease efficiency in processing times, and free recruiters
to focus on the core of the recruiting mission.

Subtitle D—Military Justice

SEC. 531. COMMAND INFLUENCE.

(a) IN GENERAL.—Section 837 of title 10, United
States Code (article 37 of the Uniform Code of Military
Justice), is amended—
(1) by striking “Unlawfully influencing action of court” and inserting “Command influence”;

(2) by amending subsection (a) to read as follows:

“(a)(1) No court-martial convening authority, nor any other commanding officer, may censure, reprimand, or admonish the court or any member, military judge, or counsel thereof, with respect to the findings or sentence adjudged by the court, or with respect to any other exercise of its or his functions in the conduct of the proceeding.

“(2) No court-martial convening authority, nor any other commanding officer, may deter or attempt to deter a potential witness from participating in the investigatory process or testifying at a court-martial. The denial of a request to travel at government expense or refusal to make a witness available shall not by itself constitute unlawful command influence.

“(3) No person subject to this chapter may attempt to coerce or, by any unauthorized means, attempt to influence the action of a court-martial or any other military tribunal or any member thereof, in reaching the findings or sentence in any case, or the action of any convening, approving, or reviewing authority or preliminary hearing
officer with respect to such acts taken pursuant to this chapter as prescribed by the President.

“(4) Paragraphs (1) through (3) shall not apply with respect to—

“(A) general instructional or informational courses in military justice if such courses are designed solely for the purpose of instructing members of a command in the substantive and procedural aspects of courts-martial;

“(B) statements regarding criminal activity or a particular criminal offense that do not advocate a particular disposition, or a particular court-martial finding, or sentence; or

“(C) statements and instructions given in open court by the military judge or counsel.

“(5)(A) Notwithstanding paragraphs (1) through (3), but subject to subparagraph (B)—

“(i) a superior convening authority or officer may generally discuss matters to consider regarding the disposition of alleged violations of this chapter with a subordinate convening authority or officer; and

“(ii) a subordinate convening authority or officer may seek advice from a superior convening au-
authority or officer regarding the disposition of an alleged offense under this chapter.

“(B) No superior convening authority or officer may direct a subordinate convening authority or officer to make a particular disposition in a specific case or otherwise substitute the discretion of such authority or such officer for that of the subordinate convening authority or officer.”;

(3) in subsection (b)—

(A) by striking “advanced, in grade” and inserting “advanced in grade”; and

(B) by striking “accused before a court-martial” and inserting “person in a court-martial proceeding”; and

(4) by adding at the end the following new subsections:

“(c) No finding or sentence of a court-martial may be held incorrect on the ground of a violation of this section unless the violation materially prejudices the substantial rights of the accused.

“(d)(1) A superior convening authority or commanding officer may withhold the authority of a subordinate convening authority or officer to dispose of offenses in individual cases, types of cases, or generally.
“(2) Except as provided in paragraph (1) or as otherwise authorized by this chapter, a superior convening authority or commanding officer may not limit the discretion of a subordinate convening authority or officer to act with respect to a case for which the subordinate convening authority or officer has authority to dispose of the offenses.”.

(b) Clerical Amendment.—The table of sections at the beginning subchapter VII of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), is amended by striking the item relating to section 837 (article 37) and inserting the following new item:

“837. Art. 37. Command influence.”.

(c) Effective Date.—The amendments made by subsections (a) and (b) shall take effect on the date of the enactment of this Act and shall apply with respect to violations of section 837 of title 10, United States Code (article 37 of the Uniform Code of Military Justice), committed on or after such date.

SEC. 532. STATUTE OF LIMITATIONS FOR CERTAIN OFFENSES.

(a) In General.—Section 843 of title 10, United States Code (article 43 of the Uniform Code of Military Justice), is amended—

(1) in subsection (a), by inserting “maiming of a child, kidnapping of a child,” after “sexual assault of a child,”; and
(2) in subsection (b)(2)(B)—

(A) by striking clauses (ii) and (iv); and

(B) by redesignating clause (iii) as clause (ii).

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on the date of the enactment of this Act and shall apply with respect to the prosecution of offenses committed before, on, or after the date of the enactment of this Act if the applicable limitation period has not yet expired.

SEC. 533. GUIDELINES ON SENTENCES FOR OFFENSES COMMITTED UNDER THE UNIFORM CODE OF MILITARY JUSTICE.

(a) GUIDELINES REQUIRED.—Not later than the date specified in subsection (c), the Secretary of Defense shall establish nonbinding guidelines on sentences for offenses under chapter 47 of title 10, United States Code (the Uniform Code of Military Justice). The guidelines shall provide the sentencing authority with a suggested range of punishments, including suggested ranges of confinement, that will generally be appropriate for a violation of each offense under such chapter.

(b) SENTENCING DATA.—In developing the guidelines for sentences under subsection (a), the Secretary of Defense shall take into account the sentencing data col-
lected by the Military Justice Review Panel pursuant to section 946(f)(2) of title 10, United States Code (article 146(f)(2) of the Uniform Code of Military Justice).

(e) Date Specified.—The date specified in this subsection is the date that is not later than one year after the date on which the first report of the Military Justice Review Panel is submitted to the Committees on Armed Services of the Senate and the House of Representatives pursuant to section 946(f)(5) of title 10, United States Code (article 146(f)(5) of the Uniform Code of Military Justice).

SEC. 534. EXPANSION OF RESPONSIBILITIES OF COMMANDERS FOR VICTIMS OF SEXUAL ASSAULT COMMITTED BY ANOTHER MEMBER OF THE ARMED FORCES.

(a) Notification of Victims of Events in Military Justice Process.—

(1) Notification Required.—The commander of a member of the Armed Forces who is the alleged victim of sexual assault committed by another member of the Armed Forces shall provide notification to such alleged victim of every key or other significant event in the military justice process in connection with the investigation, prosecution, and
confinement of such other member for sexual assault.

(2) DOCUMENTATION.—Each commander described in paragraph (1) shall create and maintain appropriate documentation on any notification provided as described in that paragraph.

(b) DOCUMENTATION OF VICTIM’S PREFERENCE ON JURISDICTION IN PROSECUTION.—In the case of a member of the Armed Forces who is the alleged victim of sexual assault committed by another member of the Armed Forces who is subject to prosecution for such offense both by court-martial under chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), and by a civilian court under State law, the commander of such alleged victim shall create and maintain appropriate documentation of the expressed preference, if any, of such alleged victim for prosecution of such offense by court-martial or by a civilian court as provided for by Rule 306(e) of the Rules for Court-Martial.

(e) REGULATIONS.—The Secretary of Defense shall prescribe in regulations the requirements applicable to each of the following:

(1) Notifications under subsection (a)(1).

(2) Documentation under subsection (a)(2).

(3) Documentation under subsection (b).
SEC. 535. INCREASE IN INVESTIGATIVE PERSONNEL AND VICTIM WITNESS ASSISTANCE PROGRAM LI-
AISONS.

(a) MILITARY CRIMINAL INVESTIGATIVE SERVICES.—

(1) MINIMUM STAFFING LEVEL.—Not later than one year after the date of the enactment of this Act, the Secretary of each military department shall ensure that the number of personnel assigned to the military criminal investigative services of the department is sufficient to ensure, to the extent practicable, that the investigation of any sex-related offense is completed not later than six months after the date on which the investigation is initiated.

(2) STATUS REPORTS REQUIRED.—Not later than one year after the date of the enactment of this Act, Secretary of each military department shall issue guidance requiring that any criminal investigator of the department who is assigned to investigate a sex-related offense submits a status report to the direct supervisor of such investigator in the event that the investigation of such offense exceeds 90 days in duration. Each status report shall include—

(A) a detailed explanation of the status of the investigation;
(B) identification of any information that has not yet been obtained but is necessary to complete the investigation; and

(C) identification of any barriers preventing the investigator from accessing such information.

(b) Victim Witness Assistance Program Liaisons.—Not later than one year after the date of the enactment of this Act, the Secretary of each military department shall increase the number of personnel serving as Victim Witness Assistance Program liaisons to address personnel shortages in the Victim Witness Assistance Program.

SEC. 536. INCREASE IN NUMBER OF DIGITAL FORENSIC EXAMINERS FOR THE MILITARY CRIMINAL INVESTIGATION ORGANIZATIONS.

(a) In General.—Each Secretary of a military department shall take appropriate actions to increase the number of digital forensic examiners in each military criminal investigation organization (MCIO) under the jurisdiction of such Secretary by not fewer than 10 from the authorized number of such examiners for such organization as of September 30, 2019.
(b) MILITARY CRIMINAL INVESTIGATION ORGANIZATIONS.—For purposes of this section, the military criminal investigation organizations are the following:

(1) The Army Criminal Investigation Command.

(2) The Naval Criminal Investigative Service.

(3) The Air Force Office of Special Investigations.


(e) FUNDING.—Funds for additional digital forensic examiners as required by subsection (a) for fiscal year 2020, including for compensation, initial training, and equipment, shall be derived from amounts authorized to be appropriated for that fiscal year for the Armed Force concerned for operation and maintenance.

SEC. 537. PILOT PROGRAMS ON DEFENSE INVESTIGATORS IN THE MILITARY JUSTICE SYSTEM.

(a) IN GENERAL.—Each Secretary of a military department shall carry out a pilot program on defense investigators within the military justice system under the jurisdiction of such Secretary in order to do the following:

(1) Determine whether the presence of defense investigators within such military justice system will—
(A) make such military justice system
more effective in providing an effective defense
for the accused; and

(B) make such military justice system
more fair and efficient.

(2) Otherwise assess the feasibility and advis-
ability of defense investigators as an element of such
military justice system.

(b) ELEMENTS.—

(1) INTERVIEW OF VICTIM.—A defense investi-
gator may question a victim under a pilot program
only upon a request made through the Special Vic-
tims’ Counsel or other counsel if the victim does not
have such counsel.

(2) UNIFORMITY ACROSS MILITARY JUSTICE
SYSTEMS.—The Secretary of Defense shall ensure
that the personnel and activities of defense investi-
gators under the pilot programs are, to the extent
practicable, uniform across the military justice sys-
tems of the military departments.

(c) REPORT.—

(1) IN GENERAL.—Not later than three years
after the date of the enactment of this Act, the Sec-
retary of Defense shall, in consultation with the Sec-
retaries of the military departments, submit to the
Committees on Armed Services of the Senate and
the House of Representatives a report on the pilot
programs under subsection (a).

(2) ELEMENTS.—The report required by paragraph (1) shall include the following:

(A) A description of each pilot program,
including the personnel and activities of defense
investigators under such pilot program.

(B) An assessment of the feasibility and
advisability of establishing and maintaining de-
fense investigators as an element of the military
justice systems of the military departments.

(C) If the assessment under subparagraph
(B) is that the establishment and maintenance
of defense investigators as an element of the
military justice systems of the military depart-
ments is feasible and advisable, such rec-
ommendations for legislative and administrative
action as the Secretary of Defense considers ap-
propriate to establish and maintain defense in-
vestigators as an element of the military justice
systems.

(D) Any other matters the Secretary of
Defense considers appropriate.
SEC. 538. PILOT PROGRAM ON PROSECUTION OF SPECIAL VICTIM OFFENSES COMMITTED BY ATTENDEES OF MILITARY SERVICE ACADEMIES.

(a) PILOT PROGRAM.—Beginning not later than January 1, 2020, the Secretary of Defense shall carry out a pilot program (referred to in this section as the “Pilot Program”) under which the Secretary shall establish, in accordance with this section, an independent authority to—

(1) review each covered special victim offense;

and

(2) determine whether such offense shall be referred to trial by an appropriate court-martial convening authority.

(b) OFFICE OF THE CHIEF PROSECUTOR.—

(1) ESTABLISHMENT.—As part of the Pilot Program, the Secretary shall establish, within the Office of the Secretary of Defense, an Office of the Chief Prosecutor.

(2) HEAD OF OFFICE.—The head of the Office shall be known as the Chief Prosecutor. The Secretary shall appoint as the Chief Prosecutor a commissioned officer in the grade of O–7 or above who—
(A) has significant experience prosecuting sexual assault trials by court-martial; and

(B) is outside the chain of command of any cadet or midshipman described in subsection (f)(2).

(3) RESPONSIBILITIES.—The Chief Prosecutor shall exercise the authorities described in subsection (c) but only with respect to covered special victim offenses.

(4) SPECIAL RULE.—Notwithstanding any other provision of law, the military service from which the Chief Prosecutor is appointed is authorized an additional billet for a general officer or a flag officer for each year in the two year period beginning with the year in which the appointment is made.

(5) TERMINATION.—The Office of the Chief Prosecutor shall terminate on the date on which the Pilot Program terminates under subsection (e).

(c) REFERRAL TO OFFICE OF THE CHIEF PROSECUTOR.—

(1) INVESTIGATION PHASE.—

(A) NOTICE AND INFORMATION.—A military criminal investigative organization that receives an allegation of a covered special victim offense shall provide to the Chief Prosecutor
and the commander of the military service academy concerned—

(i) timely notice of such allegation;

and

(ii) any information and evidence obtained as the result a subsequent investigation into the allegation.

(B) TRIAL COUNSEL.—A trial counsel assigned to a case involving a covered special victim offense shall, during the investigative phase of such case, provide the Chief Prosecutor with the information necessary to enable the Chief Prosecutor to make the determination required under paragraph (3).

(2) REFERRAL TO CHIEF PROSECUTOR.—In the case of a charge relating to a covered special victim offense, in addition to referring the charge to the staff judge advocate under subsection (a) or (b) of section 834 of title 10, United States Code (article 34 of the Uniform Code of Military Justice), the convening authority of the Armed Force of which the accused is a member shall refer, as soon as reasonably practicable, the charge to the Chief Prosecutor to make the determination required by paragraph (3).
(3) Prosecutorial determination.—The Chief Prosecutor shall make a determination regarding whether a charge relating to a covered special victim offense shall be referred to trial. If the Chief Prosecutor makes a determination that the charge shall be tried by court-martial, the Chief Prosecutor also shall determine whether the charge shall be tried by a general court-martial convened under section 822 of title 10, United States Code (article 22 of the Uniform Code of Military Justice) or a special court-martial convened under section 823 of such title (article 23 of the Uniform Code of Military Justice). The determination of whether to try a charge relating to a covered special victim offense by court-martial shall include a determination of whether to try any known offenses, including any lesser included offenses.

(4) Effect of determination and appeals process.—

(A) Determination to proceed to trial.—Subject to subparagraph (C) determination to try a charge relating to a covered special victim offense by court-martial under paragraph (3), and the determination as to the type of court-martial, shall be binding on any
convening authority under chapter 47 of title 10, United States Code (the Uniform Code of Military Justice) for a trial by court-martial on the charge.

(B) DETERMINATION NOT TO PROCEED TO TRIAL.—Subject to subparagraph (C) determination under paragraph (3) not to proceed to trial on a charge relating to a covered special victim offense by general or special court-martial shall be binding on any convening authority under chapter 47 of title 10, United States Code (the Uniform Code of Military Justice) except that such determination shall not operate to terminate or otherwise alter the authority of the convening authority—

(i) to proceed to trial by court-martial on charges of collateral misconducted related to the special victim offense; or

(ii) to impose non-judicial punishment in connection with the conduct covered by the charge as authorized by section 815 of such title (article 15 of the Uniform Code of Military Justice).

(C) APPEAL.—In a case in which a convening authority and the staff judge advocate
advising such authority disagree with the determination of the Chief Prosecutor under paragraph (3), the convening authority and staff judge advocate may jointly appeal the determination to the General Counsel of the Department of Defense. The determination of the General Counsel with respect to such appeal shall be binding on the Chief Prosecutor and the convening authority concerned.

(5) **TRIAL BY RANDOMIZED JURY.**—After the Chief Prosecutor makes a determination under paragraph (3) to proceed to trial on a charge relating to a covered special victim offense, the matter shall be tried by a court-martial convened within the Armed Force of which the accused is a member in accordance with the applicable provisions of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice) except that, when convening a court-martial that is a general or special court-martial involving a covered special victim offense in which the accused elects a jury trial, the convening authority shall detail members of the Armed Forces as members thereof at random unless the obtainability of members of the Armed Forces for
such court-martial prevents the convening authority from detailing such members at random.

(6) **UNLAWFUL INFLUENCE OR COERCION.**—

The actions of the Chief Prosecutor under this subsection whether or not to try charges by court-martial shall be free of unlawful or unauthorized influence or coercion.

(d) **EFFECT ON OTHER LAW.**—This section shall supersede any provision of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), that is inconsistent with this section, but only to the extent of the inconsistency.

(e) **TERMINATION AND TRANSITION.**—

(1) **TERMINATION.**—The authority of the Secretary to carry out the Pilot Program shall terminate four years after the date on which the Pilot Program is initiated.

(2) **TRANSITION.**—The Secretary shall take such actions as are necessary to ensure that, on the date on which the Pilot Program terminates under paragraph (1), any matter referred to the Chief Prosecutor under subsection (c)(2), but with respect to which the Chief Prosecutor has not made a determination under subsection (c)(3), shall be trans-
ferred to the appropriate convening authority for
consideration.

(f) DEFINITIONS.—In this section:

(1) The term “Armed Force” has the meaning
given that term in section 101(a)(4) of title 10,
United States Code.

(2) The term “covered special victim offense”
means a special victim offense—

(A) alleged to have been committed on or
after the date of the enactment of this Act by
a cadet of the United States Military Academy
or the United States Air Force Academy, with-
out regard to the location at which the offense
was committed; or

(B) alleged to have been committed on or
after the date of the enactment of this Act by
a midshipman of the United States Naval Acad-
emy, without regard to the location at which
the offense was committed.

(3) The term “Secretary” means the Secretary
of Defense.

(4) The term “special victim offense” means
any of the following:

(A) An offense under section 917a, 920,
920b, 920c, or 930 of title 10, United States
Code (article 117a, 120, 120b, 120c, or 130 of the Uniform Code of Military Justice).

(B) A conspiracy to commit an offense specified in subparagraph (A) as punishable under section 881 of such title (article 81 of the Uniform Code of Military Justice).

(C) A solicitation to commit an offense specified in subparagraph (A) as punishable under section 882 of such title (article 82 of the Uniform Code of Military Justice).

(D) An attempt to commit an offense specified in subparagraph (A) as punishable under section 880 of such title (article 80 of the Uniform Code of Military Justice).

SEC. 539. TIMELY DISPOSITION OF NONPROSECUTABLE SEX-RELATED OFFENSES.

(a) POLICY REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall develop and implement a policy to ensure the timely disposition of nonprosecutable sex-related offenses in accordance with subsection (b).

(b) ELEMENTS.—The policy developed under subsection (a) shall require the following:

(1) Not later than seven days after the date on which a court-martial convening authority declines
to refer a nonprosecutable sex-related offense for trial by general or special court-martial under chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), the convening authority will forward the investigation to the commander of the accused.

(2) Not later than 90 days after the date on which the commander of the accused receives the investigation under paragraph (1)—

(A) the commander will determine whether or not to take other judicial, nonjudicial, or administrative action in connection with the conduct covered by the investigation, including any lesser included offenses, as authorized under section 815 of title 10, United States Code (article 15 of the Uniform Code of Military Justice); and

(B) in a case in which the commander of the accused decides to take additional action under subparagraph (A), the commander take such actions as appropriate.

(c) NONPROSECUTABLE SEX-RELATED OFFENSE DEFINED.—In this section, the term “nonprosecutable sex-related offense” means an alleged sex-related offense (as that term is defined in section 1044e(g) of title 10,
United States Code) that a court-martial convening authority has declined to refer for trial by a general or special court-martial under chapter 47 of title 10, United States Code (the Uniform Code of Military Justice) due to a determination that there is insufficient evidence to support prosecution of the sex-related offense.

SEC. 540. TRAINING FOR SEXUAL ASSAULT INITIAL DISPOSITION AUTHORITIES ON EXERCISE OF DISPOSITION AUTHORITY FOR SEXUAL ASSAULT AND COLLATERAL OFFENSES.

(a) In General.—The training for sexual assault initial Disposition authorities on the exercise of disposition authority under chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), with respect to cases for which disposition authority is withheld to such authorities by the April 20, 2012, memorandum of the Secretary of Defense, or any successor memorandum, shall include comprehensive training on the exercise by such authorities of such authority with respect to such cases in order to enhance the capabilities of such Authorities in the exercise of such authority and thereby promote confidence and trust in the military justice process with respect to such cases.

(b) Memorandum of Secretary of Defense.—The April 20, 2012, memorandum of the Secretary of De-
fense referred to in subsection (a) is the memorandum of
the Secretary of Defense entitled “Withholding Initial Dis-
position Authority Under the Uniform Code of Military
Justice in Certain Sexual Assault Cases” and dated April
20, 2012.

Subtitle E—Other Legal Matters

SEC. 541. STANDARD OF EVIDENCE APPLICABLE TO INVE-
TIGATIONS AND REVIEWS RELATED TO PRO-
TECTED COMMUNICATIONS OF MEMBERS OF
THE ARMED FORCES AND PROHIBITED RE-
TALIATORY ACTIONS.

(a) Standard of Evidence.—Section 1034 of title
10, United States Code, is amended—

(1) in subsection (b)(1)(B)(ii), by striking “as
defined in subsection (i)” and inserting “as defined
in subsection (k)”;

(2) by redesignating subsections (i) and (j) as
subsections (j) and (k), respectively; and

(3) by inserting after subsection (h) the fol-
lowing new subsection (i):

“(i) Standard of Evidence.—A finding or other
determination made under any of subsections (e), (d), (g),
or (h) may be based on the standards of evidence specified
in section 1221(e) of title 5.”.
(b) APPLICABILITY.—The amendments made by subsection (a) shall not apply to members of the Coast Guard.

(c) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on the date that is 30 days after the date of the enactment of this Act, and shall apply with respect to allegations pending or submitted under section 1034 of title 10, United States Code, on or after that date.

SEC. 542. EXPANSION OF SPECIAL VICTIMS’ COUNSEL FOR VICTIMS OF SEX-RELATED OR DOMESTIC VIOLENCE OFFENSES.

(a) IN GENERAL.—Section 1044e of title 10, United States Code, is amended—

(1) in the section heading, by striking “sex-related” and inserting “sex-related or domestic violence”;

(2) by striking “alleged sex-related offense” each place it appears and inserting “alleged sex-related offense or alleged domestic violence offense”;

(3) in subsection (a)—

(A) in paragraph (1), by striking “an individual described in paragraph (2)” and inserting “an individual described in paragraph (3)”;

(B) by redesignating paragraph (2) as paragraph (3); and
(C) by inserting after paragraph (1) the following new paragraph (2):

“(2) The Secretary concerned shall designate para-legals (to be known as ‘Special Victims’ Counsel Para-legals’) for the purpose of providing paralegal assistance to Special Victims’ Counsel.”;

(4) in subsection (b)(2), by inserting “or the Family Advocacy Program” after “Victim Witness Assistance Program”;

(5) in subsection (d)(2)—

(A) in subparagraph (A)—

(i) by striking “Special Victims’ Counsel” and inserting “Special Victims’ Counsel and a Special Victims’ Counsel Paralegal”; and

(ii) by striking “and” at the end;

(B) in subparagraph (B), by striking “Special Victims’ Counsel.” and inserting “and a Special Victims’ Counsel Paralegal; and”; and

(C) by adding at the end the following new subparagraph:

“(C) ensure that a Special Victims’ Counsel receives the training necessary to meet the needs of a victim of an alleged sex-related offense or an alleged domestic violence offense.”;
(6) in subsection (f)(1), by inserting “a represen-
tative of the Family Advocacy Program,” after “Sexual Assault Victim Advocate,”;

(7) by amending subsection (g) to read as fol-
lows:

“(g) DEFINITIONS.—In this section:

“(1) The term ‘alleged sex-related offense’ means any allegation of—

“(A) a violation of section 920, 920b, 920c, or 930 of this title (article 120, 120b, 120c, or 130 of the Uniform Code of Military Justice); or

“(B) an attempt to commit an offense specified in a subparagraph (A) as punishable under section 880 of this title (article 80 of the Uniform Code of Military Justice).

“(2) The term ‘alleged domestic violence off-
ense’ means any allegation of—

“(A) a violation of section 928b of this title (article 128b of the Uniform Code of Military Justice); or

“(B) an attempt to commit such an offense as punishable under section 880 of this title (article 80 of the Uniform Code of Military Justice).”; and
(8) by adding at the end the following new subsections:

“(i) MINIMUM STAFFING LEVEL.—Not later than two years after the date of enactment of this subsection, the Secretaries concerned shall ensure that the number of Special Victims’ Counsel serving in each military department is sufficient to ensure that the average caseload of a Special Victims’ Counsel does not exceed 25 cases at any given time.

“(j) REPORT REQUIRED.—Not later than December 1, 2022, the Secretary of Defense, in consultation with the Secretaries concerned, shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report that includes—

“(1) an analysis of the caseloads of Special Victims’ Counsel and Special Victims’ Counsel Paralegals, respectively;

“(2) an assessment of the ability of the military departments to fill additional authorized billets for the Special Victims’ Counsel program to meet mission requirements; and

“(3) a description of how the training requirements for the Special Victims’ Counsel program have been expanded to meet the needs of victims of alleged domestic violence offenses.”.
(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 53 of title 10, United States Code, is amended by striking the item relating to section 1044e and inserting the following new item:

“1044e. Special Victims’ Counsel for victims of sex-related or domestic violence offenses.”.

SEC. 543. NOTIFICATION OF ISSUANCE OF MILITARY PROTECTIVE ORDER TO CIVILIAN LAW ENFORCEMENT.

(a) NOTIFICATION OF ISSUANCE.—Section 1567a of title 10, United States Code, is amended—

(1) in subsection (a), by striking “and any individual involved in the order does not reside on a military installation at any time during the duration of the military protective order, the commander of the military installation shall notify” and inserting “, the commander of the unit to which the member is assigned shall, not later than seven days after the date of the issuance of the order, notify”;

(2) by redesignating subsection (b) as subsection (c);

(3) by inserting after subsection (a) the following new subsection (b):

“(b) NOTIFICATION IN EVENT OF TRANSFER.—In the event that a member of the armed forces against whom
a military protective order is issued is transferred to another unit—

“(1) not later than the date of the transfer, the commander of the unit from which the member is transferred shall notify the commander of the unit to which the member is transferred of—

“(A) the issuance of the protective order; and

“(B) the individuals involved in the order; and

“(2) not later than seven days after receiving the notice under paragraph (1), the commander of the unit to which the member is transferred shall provide notice of the order to the appropriate civilian authorities in accordance with subsection (a).”; and

(4) in subsection (e), as so redesignated, by striking “commander of the military installation” and inserting “commander of the unit to which the member is assigned”.

(b) ANNUAL REPORT REQUIRED.—Not later than March 1, 2020, and each year thereafter through 2024, the Secretary of Defense shall submit to the congressional defense committees a report that identifies—
(1) the number of military protective orders
issued in the calendar year preceding the year in
which the report is submitted; and

(2) the number of such orders that were re-
ported to appropriate civilian authorities in accord-
ance with section 1567a(a) of title 10, United States
Code, in such preceding year.

SEC. 544. CLARIFICATIONS REGARDING SCOPE OF EMPLOY-
MENT AND REEMPLOYMENT RIGHTS OF MEM-
BERS OF THE UNIFORMED SERVICES.

(a) Clarification Regarding Definition of
Rights and Benefits.—Section 4303(2) of title 38,
United States Code, is amended—

(1) by inserting “(A)” before “The term”; and

(2) by adding at the end the following new sub-
paragraph:

“(B) Any procedural protections or provisions
set forth in this chapter shall also be considered a
right or benefit subject to the protection of this
chapter.”.

(b) Clarification Regarding Relation to
Other Law and Plans for Agreements.—Section
4302 of such title is amended by adding at the end the
following:
“(c)(1) Pursuant to this section and the procedural rights afforded by subchapter III of this chapter, any agreement to arbitrate a claim under this chapter is unenforceable, unless all parties consent to arbitration after a complaint on the specific claim has been filed in court or with the Merit Systems Protection Board and all parties knowingly and voluntarily consent to have that particular claim subjected to arbitration.

“(2) For purposes of this subsection, consent shall not be considered voluntary when a person is required to agree to arbitrate an action, complaint, or claim alleging a violation of this chapter as a condition of future or continued employment, advancement in employment, or receipt of any right or benefit of employment.”.

SEC. 545. MILITARY ORDERS REQUIRED FOR TERMINATION OF LEASES PURSUANT TO THE SERVICEMEMBERS CIVIL RELIEF ACT.

Section 305(i) of the Servicemembers Civil Relief Act (50 U.S.C. 3955) is amended—

(1) in paragraph (1), by inserting “(including orders for separation or retirement)” after “official military orders”; and

(2) by adding at the end the following new paragraph:
“(3) PERMANENT CHANGE OF STATION.—The term ‘permanent change of station’ includes separation or retirement from military service.”.

SEC. 546. CONSULTATION REGARDING VICTIM’S PREFERENCE IN PROSECUTION JURISDICTION.

Section 534(b) of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 10 U.S.C. 1044e note) is amended by—

(1) redesignating paragraphs (2) through (4) as paragraphs (3) through (5), respectively; and

(2) by inserting after paragraph (1) the following new paragraph (2):

“(2) RECORD OF CONSULTATION AND VICTIM PREFERENCE.—The Secretary of Defense, acting through the Under Secretary of Defense for Personnel and Readiness, shall issue guidance to ensure that the consultation under paragraph (1) is provided to each victim of an alleged sex-related offense described in such paragraph. Such guidance shall require that the following information about each consultation is recorded and preserved in written or electronic format:

“(A) The time and date of the consultation.
“(B) The name of the individual who consulted with the victim.

“(C) The result of the consultation, including—

“(i) whether the victim expressed a preference under paragraph (1); and

“(ii) if the victim expressed a preference, whether the victim preferred that the offense be prosecuted by court-martial or in a civilian court.”.

SEC. 547. EXTENSION AND EXPANSION OF DEFENSE ADVISORY COMMITTEE ON INVESTIGATION, PROSECUTION, AND DEFENSE OF SEXUAL ASSAULT IN THE ARMED FORCES.


(1) by amending paragraph (2) of subsection (c) to read as follows:

“(2) BASIS FOR PROVISION OF ADVICE.—For purposes of providing advice to the Secretary pursuant to this subsection, the Advisory Committee shall—
“(A) review, on an ongoing basis, cases involving allegations of sexual misconduct described in paragraph (1);

“(B) study the feasibility of incorporating restorative justice models into the Uniform Code of Military Justice; and

“(C) review Rule for Courts-Martial 1001(c) (as set forth in the Manual for Courts-Martial, 2019 edition, or any successor rule) to determine whether, and to what extent, the interpretation of that rule by military courts—

“(i) limits the ability of sexual assault victims to make statements during presentencing proceedings; and

“(ii) limits the content of such statements.”; and

(2) in subsection (f)(1), by striking “five years” and inserting “ten years”.

SEC. 548. DEFENSE ADVISORY COMMITTEE FOR THE PREVENTION OF SEXUAL MISCONDUCT.

(a) Establishment Required.—

(1) In general.—The Secretary of Defense shall establish and maintain within the Department of Defense an advisory committee to be known as the “Defense Advisory Committee for the Prevention
of Sexual Misconduct” (in this section referred to as the “Advisory Committee”).

(2) **DEADLINE FOR ESTABLISHMENT.**—The Secretary shall establish the Advisory Committee not later than 180 days after the date of the enactment of this Act.

(b) **MEMBERSHIP.**—

(1) **IN GENERAL.**—The Advisory Committee shall consist of not more than 20 members, appointed by the Secretary from among individuals who have an expertise appropriate for the work of the Advisory Committee, including at least one individual with each expertise as follows:

(A) Expertise in the prevention of sexual assault and behaviors on the sexual assault continuum of harm.

(B) Expertise in the prevention of suicide.

(C) Expertise in trauma and trauma symptoms.

(D) Expertise in the change of culture of large organizations.

(E) Expertise in implementation science.

(2) **BACKGROUND OF INDIVIDUALS.**—Individuals appointed to the Advisory Committee may include individuals with expertise in sexual assault
prevention efforts of institutions of higher education,
public health officials, and such other individuals as
the Secretary considers appropriate.

(3) Prohibition on membership of members of armed forces on active duty.—A
member of the Armed Forces serving on active duty
may not serve as a member of the Advisory Com-
mittee.

(e) Duties.—

(1) In general.—The Advisory Committee
shall advise the Secretary on the following:

(A) The prevention of sexual assault (in-
cluding rape, forcible sodomy, other sexual as-
sault, and other sexual misconduct (including
behaviors on the sexual assault continuum of
harm)) involving members of the Armed Forces.

(B) The policies, programs, and practices
of each military department, each Armed Force,
and each military service academy for the pre-
vention of sexual assault as described in sub-
paragraph (A).

(2) Basis for provision of advice.—For
purposes of providing advice to the Secretary pursu-
ant to this subsection, the Advisory Committee shall
review, on an ongoing basis, the following:
(A) Closed cases involving allegations of sexual assault described in paragraph (1).

(B) Efforts of institutions of higher education to prevent sexual assault among students.

(C) Any other information or matters that the Advisory Committee or the Secretary considers appropriate.

(3) COORDINATION OF EFFORTS.—In addition to the reviews required by paragraph (2), for purposes of providing advice to the Secretary the Advisory Committee shall also consult and coordinate with the Defense Advisory Committee on Investigation, Prosecution, and Defense of Sexual Assault in the Armed Forces (DAC-IPAD) on matters of joint interest to the two Advisory Committees.

(d) ANNUAL REPORT.—Not later than March 30 each year, the Advisory Committee shall submit to the Secretary and the Committees on Armed Services of the Senate and the House of Representatives a report on the activities of the Advisory Committee pursuant to this section during the preceding year.

(e) SEXUAL ASSAULT CONTINUUM OF HARM.—In this section, the term “sexual assault continuum of harm” includes—
(1) inappropriate actions (such as sexist jokes),
sexual harassment, gender discrimination, hazing,
cyber bullying, or other behavior that contributes to
a culture that is tolerant of, or increases risk for,
sexual assault; and

(2) maltreatment or ostracism of a victim for a
report of sexual misconduct.

(f) TERMINATION.—

(1) IN GENERAL.—Except as provided in para-
graph (2), the Advisory Committee shall terminate
on the date that is five years after the date of the
establishment of the Advisory Committee pursuant
to subsection (a).

(2) CONTINUATION.—The Secretary of Defense
may continue the Advisory Committee after the ter-
mination date applicable under paragraph (1) if the
Secretary determines that continuation of the Advi-
sory Committee after that date is advisable and ap-
propriate. If the Secretary determines to continue
the Advisory Committee after that date, the Sec-
retary shall notify the Committees on the Armed
Services of the Senate and House of Representa-
tives.
SEC. 549. SAFE TO REPORT POLICY APPLICABLE ACROSS THE ARMED FORCES.

(a) IN GENERAL.—The Secretary of Defense shall, in consultation with the Secretaries of the military departments, prescribe in regulations a safe to report policy described in subsection (b) that applies with respect to all members of the Armed Forces (including members of the reserve components of the Armed Forces) and cadets and midshipmen at the military service academies.

(b) SAFE TO REPORT POLICY.—The safe to report policy described in this subsection is a policy under which a member of the Armed Forces who is the alleged victim of sexual assault, but who may have committed minor collateral misconduct at or about the time of such sexual assault, or whose minor collateral misconduct is discovered only as a result of the investigation into such sexual assault, may report such sexual assault to proper authorities without fear or receipt of discipline in connection with such minor collateral misconduct absent aggravating circumstances that increase the gravity of the minor collateral misconduct or its impact on good order and discipline.

(c) MINOR COLLATERAL MISCONDUCT.—For purposes of the safe to report policy, minor collateral misconduct shall include any of the following:

(1) Improper use or possession of alcohol.
(2) Consensual intimate behavior (including adultery) or fraternization.

(3) Presence in an off-limits area.

(4) Such other misconduct as the Secretary of Defense shall specify in the regulations under subsection (a).

(d) **AGGRAVATING CIRCUMSTANCES.**—The regulations under subsection (a) shall specify aggravating circumstances that increase the gravity of minor collateral misconduct or its impact on good order and discipline for purposes of the safe to report policy.

(e) **DEFINITIONS.**—In this section:

(1) The term “Armed Forces” has the meaning given that term in section 101(a)(4) of title 10, United States Code, except such term does not include the Coast Guard.

(2) The term “military service academy” means the following:

(A) The United States Military Academy.

(B) The United States Naval Academy.

(C) The United States Air Force Academy.

**SEC. 550. AVAILABILITY OF SPECIAL VICTIMS’ COUNSEL AND SPECIAL VICTIM PROSECUTORS AT MILITARY INSTALLATIONS.**

(a) **DEADLINE FOR AVAILABILITY.**—
(1) IN GENERAL.—If an individual specified in paragraph (2) is not available at a military installation for access by a member of the Armed Forces who requests access to such an individual, such an individual shall be made available at such installation for access by such member by not later than 48 hours after such request.

(2) INDIVIDUALS.—The individuals specified in this paragraph are the following:

(A) Special Victims’ Counsel (SVC).

(B) Special Victim Prosecutor (SPC).

(b) REPORT ON CIVILIAN SUPPORT OF SVCS.—Not later than 180 days after the date of the enactment of this Act, each Secretary of a military department shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth the assessment of such Secretary of the feasibility and advisability of establishing and maintaining at each installation under the jurisdiction of such Secretary with a Special Victims’ Counsel one or more civilian positions for the purpose of—

(1) providing support to such Special Victims’ Counsel; and

(2) ensuring continuity and the preservation of institutional knowledge in transitions between the
service of individuals as Special Victims' Counsel at
such installation.

SEC. 550a. NOTICE TO VICTIMS OF ALLEGED SEXUAL AS-
SAULT OF PENDENCY OF FURTHER ADMINIS-
TRATIVE ACTION FOLLOWING A DETERMINA-
TION NOT TO REFER TO TRIAL BY COURT-
MARTIAL.

Under regulations prescribed by the Secretary of De-
fense, upon a determination not to refer a case of alleged
sexual assault for trial by court-martial under chapter 47
of title 10, United States Code (the Uniform Code of Mili-
tary Justice), the commander making such determination
shall periodically notify the victim of the status of a final
determination on further action on such case, whether
non-judicial punishment under section 815 of such title
(article 15 of the Uniform Code of Military Justice), other
administrative action, or no further action. Such notifica-
tions shall continue not less frequently than monthly until
such final determination.

SEC. 550b. TRAINING FOR SPECIAL VICTIMS' COUNSEL ON
CIVILIAN CRIMINAL JUSTICE MATTERS IN
THE STATES OF THE MILITARY INSTALLA-
TIONS TO WHICH ASSIGNED.

(a) TRAINING.—
(1) IN GENERAL.—Except as provided in sub-
section (c), upon the assignment of a Special Vic-

tims’ Counsel (including a Victim Legal Counsel of
the Navy) to a military installation in the United
States, such Counsel shall be provided appropriate
training on the law and policies of the State or
States in which such military installation is located
with respect to the criminal justice matters specified
in paragraph (2). The purpose of the training is to
assist such Counsel in providing victims of alleged
sex-related offenses with information necessary to
make an informed decision regarding preference as
to the jurisdiction (whether court-martial or State
court) in which such offenses will be prosecuted.

(2) CRIMINAL JUSTICE MATTERS.—The crimi-

nal justice matters specified in this paragraph, with
respect to a State, are the following:

(A) Victim rights.

(B) Prosecution of criminal offenses.

(C) Sentencing for conviction of criminal

offenses.

(b) ALLEGED SEX-RELATED OFFENSE DEFINED.—

In this section, the term “alleged sex-related offense”

means any allegation of—
(1) a violation of section 920, 920b, 920c, or
930 of title 10, United States Code (article 120,
120b, 120c, or 130 of the Uniform Code of Military
Justice); or

(2) an attempt to commit an offense specified
in a paragraph (1) as punishable under section 880
of title 10, United States Code (article 80 of the
Uniform Code of Military Justice).

(c) EXCEPTION.—The requirements of this section do
not apply to a Special Victims’ Counsel of the Coast
Guard.

Subtitle F—Member Education

SEC. 551. AUTHORITY FOR DETAIL OF CERTAIN ENLISTED
MEMBERS OF THE ARMED FORCES AS STUDENTS AT LAW SCHOOLS.

(a) In General.—Chapter 101 of title 10, United
States Code, is amended—

(1) by redesignating sections 2004a and 2004b
as sections 2004b and 2004c, respectively;

(2) by inserting after section 2004 the following
new section:

“§2004a. Detail as students at law schools: certain
enlisted members

“(a) In General.—The Secretary of each military
department may, under regulations prescribed by the Sec-
Secretary of Defense, detail enlisted members of the armed forces as students at accredited law schools, located in the United States, for a period of training leading to the degree of bachelor of laws or juris doctor. No more than twenty-five officers from each military department may commence such training in any single fiscal year.

“(b) Eligibility for Detail.—To be eligible for detail under subsection (a), a member must be a citizen of the United States and must—

“(1) as of the time training is to begin—

“(A) have served on active duty for a period of not less than four years nor more than eight years;

“(B) be in pay grade E–5 or E–6; and

“(C) meet all requirements for acceptance of a commission as a commissioned officer in the armed forces; and

“(2) sign an agreement that, unless sooner separated, the member will—

“(A) complete the educational course of legal training;

“(B) upon completion of the educational course of legal training—

“(i) accept a commission as a commissioned officer in the armed forces; and
“(ii) accept transfer or detail as a judge advocate or law specialist within the department concerned; and

“(C) agree to serve on active duty following completion or other termination of the educational course of legal training for a period of two years for each year or part thereof of such training.

“(e) SELECTION.—Members detailed for legal training under subsection (a) shall be selected on a competitive basis by the Secretary of the military department concerned, under the regulations required by subsection (a).

“(d) SERVICE AND SERVICE OBLIGATIONS.—(1) Except as provided in paragraph (2), any service obligation incurred by a member under an agreement entered into under subsection (b) shall be in addition to any service obligation incurred by the member under any other provision of law or agreement.

“(2)(A) A member who does not successfully complete a course of legal training to which detailed pursuant to this section shall cease such detail and return to the armed force concerned as an enlisted member.

“(B) Any time of a member described by subparagraph (A) in a course of legal training described in that subparagraph shall not count toward satisfaction of any
period of service required under the current contract or
agreement of the member for enlistment in the armed
forces.

“(e) LIMITATION ON NUMBER DETAILABLE.—The
aggregate number of enlisted members detailed under this
section and commissioned officers detailed under section
2004 of this title in any fiscal year by a Secretary of a
military department may not exceed 25.

“(f) OTHER ADMINISTRATIVE MATTERS.—Sub-
sections (d) and (f) of section 2004 of this title shall apply
to the detail of members under this section, except that
any reference in such section to an ‘officer’ shall be
deemed to be a reference to an ‘enlisted member’ for such
purposes.”.

SEC. 552. EDUCATION OF MEMBERS OF THE ARMED
FORCES ON CAREER READINESS AND PRO-
FESSIONAL DEVELOPMENT.

(a) PROGRAMS OF EDUCATION REQUIRED.—

(1) IN GENERAL.—Chapter 101 of title 10,
United States Code, is amended by inserting after
section 2015 the following new section:

“§2015a. Education of members on career readiness
and professional development

“(a) PROGRAM OF EDUCATION REQUIRED.—The
Secretary of Defense shall carry out a program to provide
education on career readiness and professional development to members of the armed forces.

“(b) ELEMENTS.—The program under this section shall provide members with the following:

“(1) Information on the transition plan as described in section 1142(b)(10) of this title.

“(2) Information on opportunities available to members during military service for professional development and preparation for a career after military service, including—

“(A) programs of education, certification, training, and employment assistance (including programs under sections 1143(e), 2007, and 2015 of this title); and

“(B) programs and resources available to members in communities in the vicinity of military installations.

“(3) Instruction on the use of online and other electronic mechanisms in order to access the education, training, and assistance and resources described in paragraph (2).

“(4) Such other information, instruction, and matters as the Secretary shall specify for purposes of this section.
"(c) Timing of Provision of Information.—Subject to subsection (d), information, instruction, and other matters under the program under this section shall be provided to members at the times as follows:

“(1) Upon arrival at first duty station.

“(2) Upon arrival at any subsequent duty station.

“(3) Upon deployment.

“(4) Upon promotion.

“(5) Upon reenlistment.

“(6) At any other point in a military career specified by the Secretary for purposes of this section

“(d) Single Provision of Information in a Year With Multiple Events.—A member who has received information and instruction under the program under this section in connection with an event specified in subsection (c) in a year may elect not to undergo additional receipt of information and instruction under the program in connection with another such event in the year, unless such other event is arrival at a new duty station.”.

(2) Clerical Amendment.—The table of sections at the beginning of chapter 101 of such title is amended by inserting after the item relating to section 2015 the following new item:
“(b) REPORT ON IMPLEMENTATION.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate committees of Congress a report on the program of education required by section 2015a of title 10, United States Code (as added by subsection (a)), including the following:

(A) A comprehensive description of the actions taken to implement the program of education.

(B) A comprehensive description of the program of education.

(2) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this subsection, the term “appropriate committees of Congress” means—

(A) the Committee on Armed Services and the Committee on Veterans’ Affairs of the Senate; and

(B) the Committee on Armed Services and the Committee on Veterans’ Affairs of the House of Representatives."
SEC. 553. DEFENSE LANGUAGE INSTITUTE FOREIGN LANGUAGE CENTER.

(a) AUTHORITY TO AWARD BACHELOR’S DEGREES.—Section 2168 of title 10, United States Code, is amended—

(1) in the section heading, by striking “Associate” and inserting “Associate or Bachelor”; and

(2) by amending subsection (a) to read as follows:

“(a) Subject to subsection (b), the Commandant of the Defense Language Institute may confer—

“(1) an Associate of Arts degree in a foreign language upon any graduate of the Foreign Language Center of the Institute who fulfills the requirements for that degree; or

“(2) a Bachelor of Arts degree in a foreign language upon any graduate of the Foreign Language Center of the Institute who fulfills the requirements for that degree.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 108 of title 10, United States Code, is amended by striking the item relating to section 2168 and inserting the following new item:

“2168. Defense Language Institute Foreign Language Center; degree of Associate or Bachelor of Arts in foreign language.”.
SEC. 554. EXPANSION OF DEPARTMENT OF DEFENSE STARBASE PROGRAM.

(a) IN GENERAL.—Section 2193b of title 10, United States Code, is amended—

(1) in the section heading, by striking “science, mathematics, and technology” and inserting “science, technology, engineering, art and design, and mathematics”; and

(2) in subsection (a), by striking “science, mathematics, and technology” and inserting “science, technology, engineering, art and design, and mathematics”; and

(3) in subsection (b), by striking “mathematics, science, and technology” and inserting “science, technology, engineering, art and design, and mathematics”;

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 111 of title 10, United States Code, is amended by striking the item relating to section 2193b and inserting the following new item:

“2193b. Improvement of education in technical fields: program for support of elementary and secondary education in science, technology, engineering, art and design, and mathematics.”.
SEC. 555. DEGREE GRANTING AUTHORITY FOR UNITED STATES ARMY ARMAMENT GRADUATE SCHOOL.

(a) IN GENERAL.—Chapter 751 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 7422. Degree granting authority for United States Army Armament Graduate School

“(a) AUTHORITY.—Under regulations prescribed by the Secretary of the Army, the Chancellor of the United States Army Armament Graduate School may, upon the recommendation of the faculty and provost of the college, confer appropriate degrees upon graduates who meet the degree requirements.

“(b) LIMITATION.—A degree may not be conferred under this section unless—

“(1) the Secretary of Education has recommended approval of the degree in accordance with the Federal Policy Governing Granting of Academic Degrees by Federal Agencies; and

“(2) the United States Army Armament Graduate School is accredited by the appropriate civilian academic accrediting agency or organization to award the degree, as determined by the Secretary of Education.
“(c) CONGRESSIONAL NOTIFICATION REQUIREMENTS.—(1) When seeking to establish degree granting authority under this section, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives—

“(A) a copy of the self-assessment questionnaire required by the Federal Policy Governing Granting of Academic Degrees by Federal Agencies, at the time the assessment is submitted to the Department of Education’s National Advisory Committee on Institutional Quality and Integrity; and

“(B) the subsequent recommendations and rationale of the Secretary of Education regarding the establishment of the degree granting authority.

“(2) Upon any modification or redesignation of existing degree granting authority, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and House of Representatives a report containing the rationale for the proposed modification or redesignation and any subsequent recommendation of the Secretary of Education on the proposed modification or redesignation.

“(3) The Secretary of Defense shall submit to the Committees on Armed Services of the Senate and House of Representatives a report containing an explanation of
any action by the appropriate academic accrediting agency
or organization not to accredit the United States Army
Armament Graduate School to award any new or existing
degree.”.

(b) CLERICAL AMENDMENT.—The table of sections
at the beginning of such chapter is amended by adding
at the end the following new item:

“7422. Degree granting authority for United States Army Armament Graduate
School.”.

SEC. 556. CONGRESSIONAL NOMINATIONS FOR SENIOR RESERVE OFFICERS’ TRAINING CORPS SCHOLARSHIPS.

Section 7442 of title 10, United States Code, is
amended by adding at the end the following new sub-
section:

“(k) Any candidate not nominated under paragraphs
(3) through (10) of subsection (a) may be considered by
the Secretary of the Army in order of merit for appoint-
ment as a Senior Reserve Officers’ Training Corps cadet
under section 2107 of this title.”.
SEC. 557. CONSIDERATION OF APPLICATION FOR TRANSFER FOR A STUDENT OF A MILITARY SERVICE ACADEMY WHO IS THE VICTIM OF A SEXUAL ASSAULT OR RELATED OFFENSE.

(a) MILITARY ACADEMY.—Section 7461 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(e) CONSIDERATION OF APPLICATION FOR TRANSFER FOR A CADET WHO IS THE VICTIM OF A SEXUAL ASSAULT OR RELATED OFFENSE.—(1) The Secretary of the Army shall provide for timely determination and action on an application for consideration of a transfer to another military service academy submitted by a cadet who was a victim of a sexual assault or other offense covered by section 920, 920a, or 920c of this title (article 120, 120a, or 120c of the Uniform Code of Military Justice) so as to reduce the possibility of retaliation against the cadet for reporting the sexual assault or other offense.

“(2) The Secretary of the Army shall prescribe regulations to carry out this subsection, within guidelines provided by the Secretary of Defense that direct the Superintendent of the Military Academy, in coordination with the Superintendent of the military service academy to which the cadet wishes to transfer—
“(A) to approve or deny an application under this subsection not later than 72 hours after the submission of the application; and

“(B) to approve such application unless there are exceptional circumstances that require denial of the application.

“(3) If the Superintendent of the Military Academy or the Superintendent of the military service academy to which the cadet wishes to transfer denies an application under this subsection, the cadet may request review of the denial by the Secretary concerned, who shall grant or deny review not later than 72 hours after submission of the request for review.

“(4) The Secretary concerned shall ensure that all records of any request, determination, or action under this subsection remain confidential.

“(5) A cadet who transfers under this subsection may retain the cadet’s appointment to the Military Academy or may be appointed to the military service academy to which the cadet transfers without regard to the limitations and requirements set forth in sections 7442, 8454, and 9442 of this title.”.

(b) NAVAL ACADEMY.—Section 8480 of title 10, United States Code, is amended by adding at the end the following new subsection:
“(e) Consideration of Application for Transfer for a Midshipman Who Is the Victim of a Sexual Assault or Related Offense.—(1) The Secretary of the Navy shall provide for timely determination and action on an application for consideration of a transfer to another military service academy submitted by a midshipman who was a victim of a sexual assault or other offense covered by section 920, 920a, or 920c of this title (article 120, 120a, or 120c of the Uniform Code of Military Justice) so as to reduce the possibility of retaliation against the midshipman for reporting the sexual assault or other offense.

“(2) The Secretary of the Navy shall prescribe regulations to carry out this subsection, within guidelines provided by the Secretary of Defense that direct the Superintendent of the Naval Academy, in coordination with the Superintendent of the military service academy to which the midshipman wishes to transfer—

“(A) to approve or deny an application under this subsection not later than 72 hours after the submission of the application; and

“(B) to approve such application unless there are exceptional circumstances that require denial of the application.
“(3) If the Superintendent of the Naval Academy or the Superintendent of the military service academy to which the midshipman wishes to transfer denies an application under this subsection, the midshipman may request review of the denial by the Secretary concerned, who shall grant or deny review not later than 72 hours after submission of the request for review.

“(4) The Secretary concerned shall ensure that all records of any request, determination, or action under this subsection remain confidential.

“(5) A midshipman who transfers under this subsection may retain the midshipman’s appointment to the Naval Academy or may be appointed to the military service academy to which the midshipman transfers without regard to the limitations and requirements set forth in sections 7442, 8454, and 9442 of this title.”.

(c) AIR FORCE ACADEMY.—Section 9461 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(e) CONSIDERATION OF APPLICATION FOR TRANSFER FOR A CADET WHO IS THE VICTIM OF A SEXUAL ASSAULT OR RELATED OFFENSE.—(1) The Secretary of the Air Force shall provide for timely determination and action on an application for consideration of a transfer to another military service academy submitted by a cadet
who was a victim of a sexual assault or other offense covered by section 920, 920a, or 920c of this title (article 120, 120a, or 120c of the Uniform Code of Military Justice) so as to reduce the possibility of retaliation against the cadet for reporting the sexual assault or other offense.

“(2) The Secretary of the Air Force shall prescribe regulations to carry out this subsection, within guidelines provided by the Secretary of Defense that direct the Superintendent of the Air Force Academy, in coordination with the Superintendent of the military service academy to which the cadet wishes to transfer—

“(A) to approve or deny an application under this subsection not later than 72 hours after the submission of the application; and

“(B) to approve such application unless there are exceptional circumstances that require denial of the application.

“(3) If the Superintendent of the Air Force Academy or the Superintendent of the military service academy to which the cadet wishes to transfer denies an application under this subsection, the cadet may request review of the denial by the Secretary concerned, who shall grant or deny review not later than 72 hours after submission of the request for review.
“(4) The Secretary concerned shall ensure that all records of any request, determination, or action under this subsection remain confidential.

“(5) A cadet who transfers under this subsection may retain the cadet’s appointment to the Air Force Academy or may be appointed to the military service academy to which the cadet transfers without regard to the limitations and requirements set forth in sections 7442, 8454, and 9442 of this title.”.

SEC. 558. REDESIGNATION OF THE COMMANDANT OF THE UNITED STATES AIR FORCE INSTITUTE OF TECHNOLOGY AS THE DIRECTOR AND CHANCELLOR OF SUCH INSTITUTE.

(a) Redesignation.—Section 9414b(a) of title 10, United States Code, is amended—

(1) in the subsection heading, by striking “COMMANDANT” and inserting “DIRECTOR AND CHANCELLOR”;

(2) by striking “Commandant” each place it appears and inserting “Director and Chancellor”; and

(3) in the heading of paragraph (3), by striking “Commandant” and inserting “Director and Chancellor”.


(b) CONFORMING AMENDMENT.—Section 9414 of such title is amended by striking “Commandant” both places it appears and inserting “Director and Chancellor”.

(c) REFERENCES.—Any reference in any law, regulation, map, document, paper, or other record of the United States to the Commandant of the United States Air Force Institute of Technology shall be deemed to be a reference to the Director and Chancellor of the United States Air Force Institute of Technology.

SEC. 559. ELIGIBILITY OF ADDITIONAL ENLISTED MEMBERS FOR ASSOCIATE DEGREE PROGRAMS OF THE COMMUNITY COLLEGE OF THE AIR FORCE.

Section 9415(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(3) Enlisted members of the armed forces other than the Air Force who are participating in Community College of the Air Force affiliated joint-service training and education courses.”.

SEC. 560. SAFE-TO-REPORT POLICY APPLICABLE TO MILITARY SERVICE ACADEMIES.

(a) IN GENERAL.—The Secretary of Defense, in consultation with the Secretaries of the military departments, shall prescribe in regulations a safe-to-report policy de-
scribed in subsection (b) that applies with respect to cadets and midshipmen at the military service academies.

(b) SAFE-TO-REPORT POLICY.—The safe-to-report policy described in this subsection is a policy under which a cadet or midshipman at a military service academy who is the alleged victim of sexual assault, but who may have committed minor collateral misconduct at or about the time of such sexual assault, or whose minor collateral misconduct is discovered only as a result of the investigation into such sexual assault, may report such sexual assault to proper authorities without fear or receipt of discipline in connection with such minor collateral misconduct.

(c) MINOR COLLATERAL MISCONDUCT.—For purposes of the safe-to-report policy, minor collateral misconduct shall include any of the following:

(1) Improper use or possession of alcohol.

(2) Consensual intimate behavior or fraternization with another cadet or midshipman.

(3) Presence in an off-limits area.

(4) Such other misconduct as the Secretary of Defense shall specify in the regulations under subsection (a).

(d) MILITARY SERVICE ACADEMY DEFINED.—In this section, the term “military service academy” means the
(1) The United States Military Academy.

(2) The United States Naval Academy.

(3) The United States Air Force Academy.

(4) The United States Coast Guard Academy.

SEC. 560a. RECOUPMENT OF FUNDS FROM CADETS AND MIDSHIPMEN SEPARATED FOR CRIMINAL MISCONDUCT.

Not later than September 30, 2020, each Secretary of a military department shall prescribe regulations by which the Superintendent of a military service academy under the jurisdiction of the Secretary shall, pursuant to section 303a(e) of title 37, United States Code, recoup the cost of advanced education received by a cadet or midshipman who is separated from that military service academy—

(1) at any time before the cadet or midshipman graduates from the military service academy; and

(2) for criminal misconduct by the cadet or midshipman.

Subtitle G—Member Training and Transition

SEC. 561. PROHIBITION ON GENDER-SEGREGATED TRAINING AT MARINE CORPS RECRUIT DEPOTS.

(a) PARRIS ISLAND.—
(1) PROHIBITION.—Subject to paragraph (2), training at the Marine Corps Recruit Depot, Parris Island, South Carolina, may not be segregated based on gender.

(2) DEADLINE.—The Commandant of the Marine Corps shall carry out this subsection not later than five years after the date of the enactment of this Act.

(b) SAN DIEGO.—

(1) PROHIBITION.—Subject to paragraph (2), training at the Marine Corps Recruit Depot, San Diego, California, may not be segregated based on gender.

(2) DEADLINE.—The Commandant of the Marine Corps shall carry out this subsection not later than eight years after the date of the enactment of this Act.

SEC. 562. MEDICAL PERSONNEL AT MARINE CORPS RECRUIT DEPOTS.

Not later than September 30, 2020, the Secretary of the Navy, in coordination with the Navy Medical Department, shall—

(1) assign personnel to the Marine Recruit Training Regiment at each Marine Corps Recruit Depot who—
(A) possess sufficient medical training and equipment to evaluate sick recruits; and

(B) is capable of determining whether a recruit requires emergent care; and

(2) ensure such personnel is available after business hours in order to advise personnel regarding the course of action for managing a sick recruit.

SEC. 563. ASSESSMENT OF DEATHS OF RECRUITS UNDER THE JURISDICTION OF THE SECRETARY OF THE NAVY.

(a) Assessment.—The Inspector General of the Department of Defense shall conduct an assessment of the deaths of recruits at facilities under the jurisdiction of the Secretary of the Navy, and the effectiveness of the current medical protocols on the training bases.

(b) Report.—Not later than September 30, 2020, the Inspector General shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report containing the results of the assessment conducted under subsection (a). The report shall include the following:

(1) The number of recruits who died during basic training in the five years preceding the date of the report.
(2) The causes of deaths described in paragraph (1).

(3) The types of medical treatment that was provided to recruits described in paragraph (1).

(4) Whether any of the deaths identified under paragraph (1) were found to be a result of medical negligence.

(5) A description of medical capabilities and personnel available to the recruits at each facility.

(6) A description of medical resources accessible to the recruits at the company level at each facility.

(7) A description of 24-hour medical resources available to recruits at each facility.

(8) An evaluation of the guidelines and resources in place to monitor sick recruits.

(9) An evaluation of how supervisors evaluate and determine whether a sick recruit should continue training or further seek medical assistance.

(10) An evaluation of how the Secretary of the Navy can increase visibility of the comprehensive medical status of a sick recruit to instructors and supervisors in order to provide better situational awareness of the such medical status.

(11) An evaluation of how to improve and medical care for recruits.
SEC. 564. INCLUSION OF SPECIFIC EMAIL ADDRESS BLOCK
ON CERTIFICATE OF RELEASE OR DISCHARGE FROM ACTIVE DUTY (DD FORM 214).

(a) MODIFICATION REQUIRED.—The Secretary of Defense shall modify the Certificate of Release or Discharge from Active Duty (DD Form 214) to include a specific block explicitly identified as the location in which a member of the Armed Forces may provide one or more email addresses by which the member may be contacted after discharge or release from active duty in the Armed Forces.

(b) DEADLINE FOR MODIFICATION.—The Secretary of Defense shall release a revised Certificate of Release or Discharge from Active Duty (DD Form 214), modified as required by subsection (a), not later than one year after the date of the enactment of this Act.

SEC. 565. MACHINE READABILITY AND ELECTRONIC TRANSFERABILITY OF CERTIFICATE OF RELEASE OR DISCHARGE FROM ACTIVE DUTY (DD FORM 214).

(a) MODIFICATION REQUIRED.—The Secretary of Defense shall modify the Certificate of Release or Discharge from Active Duty (DD Form 214) to be machine readable and electronically transferable.

(b) DEADLINE FOR MODIFICATION.—The Secretary of Defense shall release a revised Certificate of Release
or Discharge from Active Duty (DD Form 214), modified pursuant to subsection (a), not later than four years after the date of the enactment of this Act.

(c) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit a report to Congress regarding the following:

(1) What systems of the Department of Defense require an individual to manually enter information from DD Form 214.

(2) What activities of the Department of Defense require a veteran or former member of the Armed Forces to provide a physical copy of DD Form 214.

(3) The order of priority for modernizing items identified under paragraphs (1) and (2) as determined by the Secretary.

(4) The estimated cost, as determined by the Secretary, to automate items identified under paragraphs (1) and (2).

SEC. 566. RECORDS OF SERVICE FOR RESERVES.

(a) ESTABLISHMENT.—Not later than September 30, 2020, the Secretary of Defense shall establish and implement a standard record of service for members of the reserve components of the Armed Forces, similar to DD
Form 214, that summarizes the record of service of each
such member, including dates of active duty service.

(b) COORDINATION.—In carrying out this section, the
Secretary of Defense shall coordinate with the Secretary
of Veterans Affairs to ensure that the record established
under this section is acceptable as proof of service for
former members of the reserve components of the Armed
Forces who are eligible for benefits under laws adminis-
tered by the Secretary of Veterans Affairs to receive such
benefits.

Subtitle H—Military Family Readi-
ness and Dependents’ Education

SEC. 571. AUTHORIZING MEMBERS TO TAKE LEAVE FOR A
BIRTH OR ADOPTION IN MORE THAN ONE IN-
CREMENT.

Section 701(i) of title 10, United States Code, is
amended by striking paragraph (5).

SEC. 572. DEFERRED DEPLOYMENT FOR MEMBERS WHO
GIVE BIRTH.

Section 701 of title 10, United States Code, is
amended by adding at the end the following new sub-
section:

“(l) A member of the armed forces who gives birth
while on active duty may not be deployed during the period
of 12 months beginning on the date of such birth except—
“(1) at the election of such member; and
“(2) with the approval of a health care provider
employed at a military medical treatment facility.”.

SEC. 573. AUTHORITY OF THE SECRETARY CONCERNED TO
TRANSPORT REMAINS OF A COVERED DECE- 
DENT TO NO MORE THAN TWO PLACES SELECTED BY THE PERSON DESIGNATED TO DI- 
RECT DISPOSITION OF THE REMAINS.

(a) AUTHORITY.—Section 1482(a)(8) of title 10, United States Code, is amended to read as follows:
“(8)(A) Transportation of the remains, and
travel and transportation allowances as specified in
regulations prescribed under section 464 of title 37
for an escort of one person, to the place, subject to
 subparagraph (B), selected by the person designated
to direct disposition of the remains or, if such a se-
lection is not made, to a national or other cemetery
which is selected by the Secretary and in which bur-
ial of the decedent is authorized.
“(B) The person designated to direct disposi-
tion of the remains may select two places under sub-
paragraph (A) if the second place is a national cem-
etery. If that person selects two places, the Sec-
retary concerned may pay for transportation to the
second place only by means of reimbursement under

to subsection (b).

“(C) When transportation of the remains in-
cludes transportation by aircraft under section 562
of the John Warner National Defense Authorization
Act for Fiscal Year 2007 (Public Law 109–364; 10
U.S.C. 1482 note), the Secretary concerned shall
provide, to the maximum extent practicable, for de-
delivery of the remains by air to the commercial, gen-
eral aviation, or military airport nearest to the place
selected by the designee.”.

(b) MILITARY ESCORT AND HONOR GUARD ONLY TO
FIRST LOCATION.—Section 562(b) of the John Warner
(Public Law 109–364; 10 U.S.C. 1482 note) is amended
by adding at the end the following: “If the person des-
ignated to direct disposition of the remains selects two
places under such section, the term means only the first
of those two places.”.

SEC. 574. CLARIFICATION REGARDING ELIGIBILITY TO
TRANSFER ENTITLEMENT UNDER POST-9/11
EDUCATIONAL ASSISTANCE PROGRAM.

Section 3319(j) of title 38, United States Code, is
amended by adding at the end the following new para-
graph:
“(3) The Secretary of Defense may not prescribe any regulation that would provide for a limitation on eligibility to transfer unused education benefits to family members based on a maximum number of years of service in the Armed Forces.”.

SEC. 575. ABSENTEE BALLOT TRACKING PROGRAM.

(a) Establishment and Operation of Program.—Section 102(h) of the Uniformed and Overseas Citizens Absentee Voting Act (52 U.S.C. 20302(h)) is amended to read as follows:

“(h) Absentee Ballot Tracking Program.—

“(1) Requiring establishment and operation of program.—The chief State election official, in coordination with local election jurisdictions, shall establish and operate an absentee ballot tracking program described in paragraph (2) for the use of absent uniformed services voters and overseas voters.

“(2) Program described.—

“(A) Information on transmission and receipt of absentee ballots.—An absentee ballot tracking program described in this paragraph is a program under which—

“(i) the State or local election official responsible for the transmission of absen-
tee ballots in an election for Federal office operates procedures to track and confirm the transmission of such ballots and to make information on the transmission of such a ballot available by means of online access using the internet site of the official’s office; and

“(ii) the State or local election official responsible for the receipt of absentee ballots in an election for Federal office operates procedures to track and confirm the receipt of such ballots and (subject to subparagraph (B)) to make information on the receipt of such a ballot available by means of online access using the internet site of the official’s office.

“(B) Specific information on receipt of voted absentee ballots.—The information required to be made available under clause (ii) of subparagraph (A) with respect to the receipt of a voted absentee ballot in an election for Federal office shall include information regarding whether the vote cast on the ballot was counted, and, in the case of a vote which was not counted, the reasons therefor. The appro-
priate State or local election official shall make
the information described in the previous sen-
tence available during the 30-day period that
begins on the date on which the results of the
election are certified, or during such earlier 30-
day period as the official may provide.

“(3) **USE OF TOLL-FREE TELEPHONE NUMBER**
by officials without internet site.—A pro-
gram established and operated by a State or local
election official whose office does not have an inter-
net site may meet the requirements of paragraph (2)
if the official has established and operates a toll-free
telephone number that may be used to obtain the in-
formation on the transmission or receipt of the ab-
sentee ballot which is required under such para-
graph.”.

(b) **Effective Date.**—The amendment made by
subsection (a) shall apply with respect to elections held
during 2020 or any succeeding year.

**SEC. 576. ANNUAL STATE REPORT CARD.**

Section 1111(h)(1)(C)(ii) of the Elementary and Sec-
condary Education Act of 1965 (20 U.S.C.
6311(h)(1)(C)(ii)) is amended by striking “on active duty
(as defined in section 101(d)(5) of such title)”.

SEC. 577. TRANSPORTATION OF REMAINS OF CASUALTIES; TRAVEL EXPENSES FOR NEXT OF KIN.


(1) in the heading, by striking “DYING IN A THEATER OF COMBAT OPERATIONS”; and

(2) in subsection (a), by striking “in a combat theater of operations” and inserting “outside of the United States”.

(b) TRANSPORTATION FOR FAMILY.—The Secretary of Defense shall revise Department of Defense Instruction 1300.18 to extend travel privileges via Invitational Travel Authorization to family members of members of the Armed Forces who die outside of the United States and whose remains are returned to the United States through the mortuary facility at Dover Air Force Base, Delaware.

SEC. 578. MEETINGS OF OFFICIALS OF THE DEPARTMENT OF DEFENSE WITH SURVIVORS OF DECEASED MEMBERS OF THE ARMED FORCES.

(a) CHIEFS OF THE ARMED FORCES.—The Secretary of Defense shall direct the chiefs of the Armed Forces to meet periodically with survivors of deceased members of the Armed Forces to receive feedback from those survivors...
regarding issues affecting such survivors. The Chief of the
National Guard Bureau shall meet with survivors of de-
ceased members of the Air National Guard and the Army
National Guard.

(b) UNDER SECRETARY OF DEFENSE FOR PER-
SONNEL AND READINESS.—The Under Secretary of De-
fense for Personnel and Readiness shall meet periodically
with survivors of deceased members of the Armed Forces
to discuss policies of the Department of Defense regarding
military casualties and Gold Star families.

(c) BRIEFING.—Not later than April 1, 2020, the
Under Secretary of Defense for Personnel and Readiness
shall brief the Committee on Armed Services of the House
of Representatives regarding policies established and the
results of the meetings under subsection (b).

SEC. 579. DIRECT EMPLOYMENT PILOT PROGRAM FOR
MEMBERS OF THE NATIONAL GUARD AND RE-
SERVE, VETERANS, THEIR SPOUSES AND DE-
PENDENTS, AND MEMBERS OF GOLD STAR
FAMILIES.

(a) IN GENERAL.—The Secretary of Defense may
carry out a pilot program to enhance the efforts of the
Department of Defense to provide job placement assist-
ance and related employment services directly to the fol-
lowing:
(1) Members of the National Guard and Reserves in reserve active status.

(2) Veterans of the Armed Forces.

(3) Spouses and other dependents of individuals referred to in paragraphs (1) and (2).

(4) Members of Gold Star Families.

(b) Administration.—The pilot program shall be offered to, and administered by, the adjutants general appointed under section 314 of title 32, United States Code, or other officials in the States concerned designated by the Secretary for purposes of the pilot program.

(c) Cost-Sharing Requirement.—As a condition on the provision of funds under this section to a State to support the operation of the pilot program in the State, the State must agree to contribute an amount, derived from non-Federal sources, equal to at least 50 percent of the funds provided by the Secretary to the State under this section.

(d) Direct Employment Program Model.—The pilot program should follow a job placement program model that focuses on working one-on-one with individuals specified in subsection (a) to cost-effectively provide job placement services, including services such as identifying unemployed and underemployed individuals, job matching services, resume editing, interview preparation, and post-
employment follow up. Development of the pilot program should be informed by existing State direct employment programs for members of the reserve components and veterans.

(e) TRAINING.—The pilot program should draw on the resources provided to transitioning members of the Armed Forces with civilian training opportunities through the SkillBridge transition training program administered by the Department of Defense.

(f) EVALUATION.—The Secretary shall develop outcome measurements to evaluate the success of the pilot program.

(g) REPORTING REQUIREMENTS.—

(1) REPORT REQUIRED.—Not later than March 1, 2021, the Secretary of Defense shall submit to the congressional defense committees a report describing the results of the pilot program. The Secretary shall prepare the report in coordination with the Secretary of Veterans Affairs and the Chief of the National Guard Bureau.

(2) ELEMENTS OF REPORT.—A report under paragraph (1) shall include the following:

(A) A description and assessment of the effectiveness and achievements of the pilot program, including the number of members of the
reserve components and veterans of the Armed Forces hired and the cost-per-placement of participating members and veterans.

(B) An assessment of the impact of the pilot program and increased reserve component employment levels on the readiness of members of the reserve components and on the retention of members of the Armed Forces.

(C) A comparison of the pilot program to other programs conducted by the Department of Defense and Department of Veterans Affairs to provide unemployment and underemployment support to members of the reserve components and veterans of the Armed Forces, including the best practices developed through and used in such programs.

(D) Any other matters considered appropriate by the Secretary of Defense.

(h) DURATION OF AUTHORITY.—The authority to carry out the pilot program expires on September 30, 2023, except that the Secretary may, at the Secretary’s discretion, extend the pilot program for not more than two additional fiscal years.
SEC. 580. CONTINUED ASSISTANCE TO SCHOOLS WITH SIGNIFICANT NUMBERS OF MILITARY DEPENDENT STUDENTS.

(a) Assistance to Schools With Significant Numbers of Military Dependent Students.—Of the amount authorized to be appropriated for fiscal year 2020 in Division D of this Act and available for operation and maintenance for Defense-wide activities as specified in the funding table in Section 4301 of this Act, $40,000,000 shall be available only for the purpose of providing assistance to local educational agencies under subsection (a) of section 572 of the National Defense Authorization Act for Fiscal Year 2006 (Public Law 109–163; 20 U.S.C. 7703b).

(b) Impact Aid for Children With Severe Disabilities.—Of the amount authorized to be appropriated for fiscal year 2020 in Division D of this Act and available for operation and maintenance for Defense-wide activities as specified in the funding table in Section 4301 of this Act, $10,000,000 shall be available for payments under section 363 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (Public Law 106–398; 20 U.S.C. 7703a).

(c) Local Educational Agency Defined.—In this section, the term “local educational agency” has the meaning given that term in section 7013(9) of the Ele-
Secondary Education Act of 1965 (20 U.S.C. 7713(9)).

**Subtitle I—Decorations and Awards**

**SEC. 581. EXPANSION OF GOLD STAR LAPEL BUTTON ELIGIBILITY TO STEPSIBLINGS; FREE REPLACEMENT.**

(a) **Eligibility of Stepsiblings.**—Subsection (d)(3) of section 1126 of title 10, United States Code, is amended by striking “and half sisters” and inserting “half sisters, stepbrothers, and stepsisters”.

(b) **Free Replacement.**—Subsection (e) of such section is amended by striking “and payment of an amount sufficient to cover the cost of manufacture and distribution” and inserting “at no cost to that person”.

**SEC. 582. ESTABLISHMENT OF THE ATOMIC VETERANS SERVICE MEDAL.**

(a) **Service Medal Required.**—The Secretary of Defense shall design and produce a military service medal, to be known as the “Atomic Veterans Service Medal”, to honor retired and former members of the Armed Forces who are radiation-exposed veterans (as such term is defined in section 1112(c)(3) of title 38, United States Code).

(b) **Distribution of Medal.**—
(1) ISSUANCE TO RETIRED AND FORMER MEMBERS.—At the request of a radiation-exposed veteran, the Secretary of Defense shall issue the Atomic Veterans Service Medal to the veteran.

(2) ISSUANCE TO NEXT-OF-KIN.—In the case of a radiation-exposed veteran who is deceased, the Secretary may provide for issuance of the Atomic Veterans Service Medal to the next-of-kin of the person.

(3) APPLICATION.—The Secretary shall prepare and disseminate as appropriate an application by which radiation-exposed veterans and their next-of-kin may apply to receive the Atomic Veterans Service Medal.

SEC. 583. REVIEW OF WORLD WAR I VALOR MEDALS.

(a) REVIEW REQUIRED.—Each Secretary concerned shall review the service records of each World War I veteran described in subsection (b) under the jurisdiction of such Secretary who is recommended for such review by the Valor Medals Review Task Force referred to in subsection (c), or another veterans service organization, in order to determine whether such veteran should be awarded the Medal of Honor for valor during World War I.
(b) COVERED WORLD WAR I VETERANS.—The World War I veterans whose service records are to be reviewed under subsection (a) are the following:

(1) Any African American war veteran, Asian American war veteran, Hispanic American war veteran, Jewish American war veteran, or Native American war veteran who was awarded the Distinguished Service Cross or the Navy Cross for an action that occurred between April 6, 1917, and November 11, 1918.

(2) Any African American war veteran, Asian American war veteran, Hispanic American war veteran, Jewish American war veteran, or Native American war veteran who was awarded the Croix de Guerre with Palm (that is, awarded at the Army level or above) by the Government of France for an action that occurred between April 6, 1917, and November 11, 1918.

(3) Any African American war veteran, Asian American war veteran, Hispanic American war veteran, Jewish American war veteran, or Native American war veteran who was recommended for a Medal of Honor for an action that occurred from April 6, 1917, to November 11, 1918, if the Department of
Defense possesses or receives records relating to such recommendation.

(c) CONSULTATIONS.—In carrying out the review under subsection (a), each Secretary concerned may consult with the Valor Medals Review Task Force, jointly established by the United States Foundation for the Commemoration of the World Wars (in consultation with the United States World War One Centennial Commission) and the George S. Robb Centre for the Study of the Great War, and with such other veterans service organizations as such Secretary determines appropriate, until the conclusion of the review.

(d) RECOMMENDATION BASED ON REVIEW.—If a Secretary concerned determines, based upon the review under subsection (a), that the award of the Medal of Honor to a covered World War I veteran is warranted, such Secretary shall submit to the President a recommendation that the President award the Medal of Honor to that veteran.

(e) AUTHORITY TO AWARD MEDAL OF HONOR.—The Medal of Honor may be awarded to a World War I veteran in accordance with a recommendation of a Secretary concerned under subsection (d).
(f) Waiver of Time Limitations.—An award of the Medal of Honor may be made under subsection (e) without regard to—

(1) section 7274 or 8298 of title 10, United States Code, as applicable; and

(2) any regulation or other administrative restriction on—

(A) the time for awarding the Medal of Honor; or

(B) the awarding of the Medal of Honor for service for which a Distinguished Service Cross or Navy Cross has been awarded.

(g) Definitions.—

(1) In general.—In this section:

(A) African American War Veteran.—

The term “African American war veteran” means any person who served in the United States Armed Forces between April 6, 1917, and November 11, 1918, and who identified himself as of African descent on his military personnel records.

(B) Asian American War Veteran.—

The term “Asian American war veteran” means any person who served in the United States Armed Forces between April 6, 1917, and No-
vember 11, 1918, and who identified himself ra-
cially, nationally, or ethnically as originating
from a country in Asia on his military per-
sonnel records.

(C) HISPANIC AMERICAN WAR VETERAN.—
The term “Hispanic American war veteran”
means any person who served in the United
States Armed Forces between April 6, 1917,
and November 11, 1918, and who identified
himself racially, nationally, or ethnically as
originating from a country where Spanish is an
official language on his military personnel
records.

(D) JEWISH AMERICAN WAR VETERAN.—
The term “Jewish American war veteran” mean
any person who served in the United States
Armed Forces between April 6, 1917, and No-

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November 11, 1918, and who identified himself as
himself as a member of a federally recognized

(E) NATIVE AMERICAN WAR VETERAN.—
The term “Native American war veteran”
means any person who served in the United
States Armed Forces between April 6, 1917,
and November 11, 1918, and who identified
himself as a member of a federally recognized
tribe within the modern territory of the United States on his military personnel records.

(F) SECRETARY CONCERNED.—The term “Secretary concerned” means—

(i) the Secretary of the Army, in the case of members of the Armed Forces who served in the Army between April 6, 1917, and November 11, 1918; and

(ii) the Secretary of the Navy, in the case of members of the Armed Forces who served in the Navy or the Marine Corps between April 6, 1917, and November 11, 1918.

(2) APPLICATION OF DEFINITIONS OF ORIGIN.—If the military personnel records of a person do not reflect the person’s membership in one of the groups identified in subparagraphs (B) through (F) of paragraph (1) but historical evidence exists that demonstrates the person’s Jewish faith held at the time of service, or that the person identified himself as of African, Asian, Hispanic, or Native American descent, the person may be treated as being a member of the applicable group by the Secretary concerned (in consultation with the organizations re-
ferred to in subsection (c)) for purposes of this sec-

tion.

**Subtitle J—Miscellaneous Reports and Other Matters**

**SEC. 591. REPEAL OF QUARTERLY REPORT ON END STRENGTHS.**

Section 115(e) of title 10, United States Code, is amended by striking paragraph (3).

**SEC. 592. REVISION OF WORKPLACE AND GENDER RELA-

tIONS SURVEYS.**

(a) **Surveys of Members of the Armed Forces.**—Section 481(c) of title 10, United States Code, is amended—

(1) in the matter preceding paragraph (1), by inserting “unwanted sexual contact,” after “assault,”;

(2) by redesignating paragraphs (3) through (5) as paragraphs (4) through (6), respectively;

(3) by inserting after paragraph (2), the fol-

lowing new paragraph (3):

“(3) The specific types of unwanted sexual con-

act that have occurred, and the number of times each respondent has been subjected to unwanted sexual contact during the preceding year.”;
(4) in paragraph (5), as so redesignated, by striking “and assault” and inserting “assault, and unwanted sexual contact”;

(5) in paragraph (6), as so redesignated, by striking “or assault” and inserting “assault, or unwanted sexual contact”.

(b) SURVEYS OF CIVILIAN EMPLOYEES OF THE DEPARTMENT OF DEFENSE.—Section 481a of title 10, United States Code, is amended—

(1) in subsection (a)(1), by striking “and discrimination” and inserting “discrimination, and unwanted sexual contact”;

(2) in subsection (b)—

(A) by redesignating paragraphs (3) through (5) as paragraphs (4) through (6), respectively;

(B) by inserting after paragraph (2) the following new paragraph (3):

“(3) The specific types of unwanted sexual contact that civilian employees of the Department were subjected to by other personnel of the Department (including contractor personnel), and the number of times each respondent has been subjected to unwanted sexual contact during the preceding fiscal year.”;
(C) in paragraph (5), as so redesignated, by striking “and discrimination” and inserting “discrimination, and unwanted sexual contact”; and

(D) in paragraph (6), as so redesignated, by striking “or discrimination” and inserting “discrimination, or unwanted sexual contact”.

(c) EFFECTIVE DATE.—The amendments made by subsections (a) and (b) shall take effect on the date of the enactment of this Act and shall apply with respect to surveys under sections 481 and 481a of title 10, United States Code, that are initiated after such date.

SEC. 593. MODIFICATION OF ELEMENTS OF REPORTS ON THE IMPROVED TRANSITION ASSISTANCE PROGRAM.

Section 552(b)(4) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232) is amended—

(1) by redesignating subparagraphs (A) through (D) as subparagraphs (B) through (E), respectively;

(2) by inserting before subparagraph (B), as redesignated by paragraph (1), the following new sub-

paragraph (A):
“(A) The total number of members eligible to attend Transition Assistance Program counseling.”; and

(3) by adding at the end the following new subparagraphs:

“(F) The number of members who participated in programs under section 1143(e) of title 10, United States Code (commonly referred to as ‘Job Training, Employment Skills, Apprenticeships and Internships (JTEST-AI)’ or ‘Skill Bridge’).

“(G) Such other information as is required to provide Congress with a comprehensive description of the participation of the members in the Transition Assistance Program and programs described in subparagraph (F).”.

SEC. 594. QUESTIONS IN WORKPLACE SURVEYS REGARDING SUPREMACIST, EXTREMIST, AND RACIST ACTIVITY.

The Secretary of Defense shall include, in the workplace and equal opportunity, command climate, and workplace and gender relations surveys administered by the Office of People Analytics of the Department of Defense, questions regarding whether respondents have ever—

(1) experienced or witnessed in the workplace—
(A) supremacist activity;
(B) extremist activity; or
(C) racism; and
(2) reported activity described in paragraph (1).

SEC. 595. COMMAND MATTERS IN CONNECTION WITH TRANSITION ASSISTANCE PROGRAMS.

(a) INCLUSION OF SUPPORT FOR PARTICIPATION IN PROGRAMS IN COMMAND CLIMATE ASSESSMENTS.—Not later than 180 days after the date of the enactment of this Act, each command climate assessment for the commander of a military installation shall include an assessment of the extent to which the commander and other command personnel at the installation encourage and support the participation in covered transition assistance programs of members of the Armed Forces at the installation who are eligible for participation in such programs.

(b) TRAINING ON PROGRAMS.—The training provided a commander of a military installation in connection with the commencement of assignment to the installation shall include a module on the covered transition assistance programs available for members of the Armed Forces assigned to the installation.

(e) COVERED TRANSITION ASSISTANCE PROGRAMS DEFINED.—In this section, the term “covered transition assistance programs” means the following:
(1) The Transition Assistance Program.

(2) The programs under section 1143(e) of title 10, United States Code (commonly referred to as “Job Training, Employment Skills, Apprenticeships and Internships (JTEST–AI)” or “Skill Bridge”).

(3) Any program of apprenticeship, on-the-job-training, internship, education, or transition assistance offered (whether by public or private entities) in the vicinity of the military installation concerned in which members of the Armed Forces at the installation are eligible to participate.

(4) Any other program of apprenticeship, on-the-job training, internship, education, or transition assistance specified by the Secretary of Defense for purposes of this section.

SEC. 596. EXPRESSING SUPPORT FOR THE DESIGNATION OF A “GOLD STAR FAMILIES REMEMBRANCE DAY”.

(a) FINDINGS.—Congress finds the following:

(1) March 2, 2020, marked the 91st anniversary of President Calvin Coolidge signing an Act of Congress that approved and funded the first Gold Star pilgrimage to enable Gold Star families to travel to the gravesites of their loved ones who died during World War I.
(2) The members of the Armed Forces of the United States bear the burden of protecting the freedom of the people of the United States.

(3) The sacrifices of the families of the fallen members of the Armed Forces of the United States should never be forgotten.

(b) Sense of Congress.—It is the sense of Congress to—

(1) support the designation of a “Gold Star Families Remembrance Day”;

(2) honor and recognize the sacrifices made by the families of members of the Armed Forces of the United States who gave their lives to defend freedom and protect America; and

(3) encourage the people of the United States to observe “Gold Star Families Remembrance Day” by—

(A) performing acts of service and good will in their communities; and

(B) celebrating the lives of those who have made the ultimate sacrifice so that others could continue to enjoy life, liberty, and the pursuit of happiness.
TITLE VI—COMPENSATION AND
OTHER PERSONNEL BENEFITS
Subtitle A—Pay and Allowances

SEC. 601. CLARIFICATION OF CONTINUATION OF PAYS DURING
HOSPITALIZATION AND REHABILITATION
RESULTING FROM WOUNDS, INJURY, OR ILLNESS INCURRED WHILE ON DUTY IN A HOSTILE
FIRE AREA OR EXPOSED TO AN EVENT OF HOSTILE FIRE OR OTHER HOSTILE ACTION.

Section 372(b)(1) of title 37, United States Code, is amended to read as follows:

“(1) The date on which the member is returned for assignment to other than a medical or patient unit for duty; however, in the case of a member under the jurisdiction of a Secretary of a military department, the date on which the member is determined fit for duty.”.

SEC. 602. BASIC NEEDS ALLOWANCE FOR LOW-INCOME REGULAR MEMBERS.

(a) IN GENERAL.—Chapter 7 of title 37, United States Code, is amended by inserting after section 402a the following new section:
§ 402b. Basic needs allowance for low-income regular members

(a) ALLOWANCE REQUIRED.—(1) Subject to paragraph (2), the Secretary of Defense shall pay to each covered member a basic needs allowance in the amount determined for such member under subsection (b).

(2) In the event a household contains two or more covered members entitled to receive the allowance under this section in a given year, only one allowance may be paid for that year to a covered member among such covered members whom such covered members shall jointly elect.

(b) AMOUNT OF ALLOWANCE FOR A COVERED MEMBER.—(1) The amount of the monthly allowance payable to a covered member under subsection (a) for a year shall be the aggregate amount equal to—

(A) the aggregate amount equal to—

(i) 130 percent of the Federal poverty guidelines of the Department of Health and Human Services for the location and number of persons in the household of the covered member for such year; minus

(ii) the gross household income of the covered member during the preceding year; and

(B) divided by 12.
“(2) The monthly allowance payable to a covered member for a year shall be payable for each of the 12 months following March of such year.

“(c) NOTICE OF ELIGIBILITY.—(1)(A) Not later than December 31 each year, the Director of the Defense Finance and Accounting Service shall notify, in writing, each individual whom the Director estimates will be a covered member during the following year of the potential entitlement of that individual to the allowance described in subsection (a) for that following year.

“(B) The preliminary notice under subparagraph (A) shall include information regarding financial management and assistance programs administered by the Secretary of Defense for which a covered member is eligible.

“(2) Not later than January 31 each year, each individual who seeks to receive the allowance for such year (whether or not subject to a notice for such year under paragraph (1)) shall submit to the Director such information as the Director shall require for purposes of this section in order to determine whether or not such individual is a covered member for such year.

“(3) Not later than February 28 each year, the Director shall notify, in writing, each individual the Director determines to be a covered member for such year.
“(d) ELECTION NOT TO RECEIVE ALLOWANCE.—(1) A covered member otherwise entitled to receive the allowance under subsection (a) for a year may elect, in writing, not to receive the allowance for such year. Any election under this subsection shall be effective only for the year for which made. Any election for a year under this subsection is irrevocable.

“(2) A covered member who does not submit information described in subsection (d)(2) for a year as otherwise required by that subsection shall be deemed to have elected not to receive the allowance for such year.

“(e) DEFINITIONS.—In this section:

“(1) The term ‘covered member’ means a regular member of the Army, Navy, Marine Corps, or Air Force—

“(A) who has completed initial entry training;

“(B) whose gross household income during the most recent year did not exceed an amount equal to 130 percent of the Federal poverty guidelines of the Department of Health and Human Services for the location and number of persons in the household of the covered member for such year; and
“(C) who does not elect under subsection (d) not to receive the allowance for such year.

“(2) The term ‘gross household income’ of a covered member for a year for purposes of paragraph (1)(B) does not include any basic allowance for housing received by the covered member (and any dependents of the covered member in the household of the covered member) during such year under section 403 of this title.

“(f) REGULATIONS.—The Secretary of Defense shall prescribe regulations for the administration of this section. Subject to subsection (e)(2), such regulations shall specify the income to be included in, and excluded from, the gross household income of individuals for purposes of this section.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 7 of such title is amended by inserting after the item relating to section 402a the following new item:

“402b. Basic needs allowance for low-income regular members.”.
SEC. 603. TEMPORARY INCREASE OF RATES OF BASIC ALLOWANCE FOR HOUSING FOLLOWING DETERMINATION THAT LOCAL CIVILIAN HOUSING COSTS SIGNIFICANTLY EXCEED SUCH RATES.

Section 403(b) of title 37, United States Code, is amended by adding at the end the following new paragraph:

“(8)(A) The Secretary of Defense may prescribe a temporary increase in the current rates of basic allowance for housing for a military housing area or a portion thereof (in this paragraph, ‘BAH rates’) if the Secretary determines that the actual costs of adequate housing for civilians in that military housing area or portion thereof exceed the current BAH rates by more than 20 percent.

“(B) Any temporary increase in BAH rates under this paragraph shall remain in effect only until the effective date of the first adjustment of BAH rates for the affected military housing area that occurs after the date of the increase under this paragraph.

“(C) This paragraph shall cease to be effective on September 30, 2022.”.
SEC. 604. BASIC ALLOWANCE FOR HOUSING FOR A MEMBER WITHOUT DEPENDENTS WHEN RELOCATION WOULD FINANCIALLY DISADVANTAGE THE MEMBER.

Section 403(o) of title 37, United States Code, is amended—

(1) by inserting “(1)” before “In”; and

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

“(2)(A) In the case of a member described in subparagraph (B), the member may be treated for the purposes of this section as if the unit to which the member is assigned did not undergo a change of home port or a change of permanent duty station if the Secretary concerned determines that it would be inequitable to base the member’s entitlement to, and amount of, a basic allowance for housing on the new home port or permanent duty station.

“(B) A member described in this subparagraph—

“(i) has no dependents;

“(ii) is assigned to a unit that undergoes a change of home port or a change of permanent duty station; and

“(iii) is in receipt of orders to return to the previous home port or duty station.”.
SEC. 605. PARTIAL DISLOCATION ALLOWANCE.

(a) CURRENT AUTHORITY.—Section 477(f)(1) of title 37, United States Code, is amended by striking “family”.

(b) FUTURE AUTHORITY.—Section 452(c) of title 37, United States Code, is amended—

(1) by redesignating paragraph (3) as paragraph (4); and

(2) by inserting after paragraph (2) the following new paragraph (3):

“(3)(A) A partial dislocation allowance paid to a member ordered to occupy or vacate housing provided by the United States.

“(B) Beginning on January 1, 2022, the partial dislocation allowance under subparagraph (A) shall, subject to subparagraph (C), be equal in value to the allowance under section 477(f) of this title on December 31, 2021, as adjusted in regulations prescribed by the Secretary concerned under the authority established by that section.

“(C) Effective on the same date in 2022 and any subsequent year that the monthly rates of basic pay for all members are increased under section 1009 of this title or another provision of law, the Secretary of Defense shall adjust the rate of the partial dislocation allowance under this paragraph...
by the percentage equal to the average percentage increase in the rates of basic pay.”.

Subtitle B—Bonuses and Special Incentive Pays

SEC. 611. ONE-YEAR EXTENSION OF CERTAIN EXPIRING BONUS AND SPECIAL PAY AUTHORITIES.

(a) Authorities Relating to Reserve Forces.—Section 910(g) of title 37, United States Code, relating to income replacement payments for reserve component members experiencing extended and frequent mobilization for active duty service, is amended by striking “December 31, 2019” and inserting “December 31, 2020”.

(b) Title 10 Authorities Relating to Health Care Professionals.—The following sections of title 10, United States Code, are amended by striking “December 31, 2019” and inserting “December 31, 2020”:

(1) Section 2130a(a)(1), relating to nurse officer candidate accession program.

(2) Section 16302(d), relating to repayment of education loans for certain health professionals who serve in the Selected Reserve.

(e) Authorities Relating to Nuclear Officers.—Section 333(i) of title 37, United States Code, is
amended by striking “December 31, 2019” and inserting “December 31, 2020”.

(d) Authorities Relating to Title 37 Consolidated Special Pay, Incentive Pay, and Bonus Authorities.—The following sections of title 37, United States Code, are amended by striking “December 31, 2019” and inserting “December 31, 2020”:

(1) Section 331(h), relating to general bonus authority for enlisted members.

(2) Section 332(g), relating to general bonus authority for officers.

(3) Section 334(i), relating to special aviation incentive pay and bonus authorities for officers.

(4) Section 335(k), relating to special bonus and incentive pay authorities for officers in health professions.

(5) Section 336(g), relating to contracting bonus for cadets and midshipmen enrolled in the Senior Reserve Officers’ Training Corps.

(6) Section 351(h), relating to hazardous duty pay.

(7) Section 352(g), relating to assignment pay or special duty pay.

(8) Section 353(i), relating to skill incentive pay or proficiency bonus.
(9) Section 355(h), relating to retention incentives for members qualified in critical military skills or assigned to high priority units.

(e) AUTHORITY TO PROVIDE TEMPORARY INCREASE IN RATES OF BASIC ALLOWANCE FOR HOUSING.—Section 403(b)(7)(E) of title 37, United States Code, is amended by striking “December 31, 2019” and inserting “December 31, 2020”.

Subtitle C—Family and Survivor Benefits

SEC. 621. PAYMENT OF TRANSITIONAL COMPENSATION FOR CERTAIN DEPENDENTS.

Section 1059(m) of title 10, United States Code, is amended—

(1) in the subsection heading, by inserting “MEMBERS OR” after “DEPENDENTS OF”;

(2) by inserting “member or” before “former member” each place it appears; and

(3) by amending paragraph (3) to read as follows:

“(3) For the purposes of this subsection, a member is considered separated from active duty upon the earliest of—

“(A) the date an administrative separation is initiated by a commander of the member;
“(B) the date the court-martial sentence is ad-
judged if the sentence, as adjudged, includes a dis-
missal, dishonorable discharge, bad conduct dis-
charge, or forfeiture of all pay and allowances; or
“(C) the date the member’s term of service ex-
pires.”.

SECTION 622. DEATH GRATUITY FOR ROTC GRADUATES.

(a) IN GENERAL.—Section 1475(a)(4) of title 10,
United States Code, is amended by adding “; or a grad-
uate of a reserve officers’ training corps who has yet to
receive a first duty assignment; or” at the end.

(b) EFFECTIVE DATE.—The amendment under sub-
section (a) applies to deaths that occur on or after the
date of the enactment of this Act.

SEC. 623. CONTINUED ELIGIBILITY FOR EDUCATION AND
TRAINING OPPORTUNITIES FOR SPOUSES OF
PROMOTED MEMBERS.

Section 1784a(b) of title 10, United States Code, is
amended—

(1) by inserting “(1)” before “Assistance”; and

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

“(2) A spouse who is eligible for a program under
this section and begins a course of education or training
for a degree, license, or credential described in subsection
(a) may not become ineligible to complete such course of
education or training solely because the member to whom
the spouse is married is promoted to a higher grade.”

SEC. 624. OCCUPATIONAL IMPROVEMENTS FOR RELOCATED SPOUSES OF MEMBERS OF THE UNIFORMED SERVICES.

(a) IMPROVEMENT OF OCCUPATIONAL LICENSE PORTABILITY FOR MILITARY SPOUSES THROUGH INTERSTATE COMPACTS.—Section 1784 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(h) IMPROVEMENT OF OCCUPATIONAL LICENSE PORTABILITY THROUGH INTERSTATE COMPACTS.—

“(1) IN GENERAL.—The Secretary of Defense may enter into a cooperative agreement with the Council of State Governments to assist with funding of the development of interstate compacts on licensed occupations in order to alleviate the burden associated with relicensing in such an occupation by spouse of a member of the armed forces in connection with a permanent change of duty station of members to another State.

“(2) LIMITATION.—The amount provided under paragraph (1) as assistance for the development of
any particular interstate compact may not exceed $1,000,000.

“(3) **ANNUAL REPORT.**—Not later than February 28 each year, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on interstate compacts described in paragraph (1) developed through assistance provided under that paragraph. Each report shall set forth the following:

“(A) Any interstate compact developed during the preceding calendar year, including the occupational licenses covered by such compact and the States agreeing to enter into such compact.

“(B) Any interstate compact developed during a prior calendar year into which one or more additional States agreed to enter during the preceding calendar year.

“(4) **EXPIRATION.**—The authority to enter into a cooperative agreement under paragraph (1), and to provide assistance described in that paragraph pursuant to such cooperative agreement, shall expire on September 30, 2024.”.
(b) Guarantee of Residency for Registration of Businesses of Spouses of Members of Uniformed Services.—

(1) In general.—Title VI of the Servicemembers Civil Relief Act (50 U.S.C. 4021 et seq.) is amended by adding at the end the following new section:

“SEC. 707. GUARANTEE OF RESIDENCY FOR BUSINESSES OF SPOUSES OF SERVICEMEMBERS.

“For the purposes of registering a business—

“(1) a person who is absent from a State because the person is accompanying the person’s spouse who is absent from that same State in compliance with military or naval orders shall not, solely by reason of that absence—

“(A) be deemed to have lost a residence or domicile in that State, without regard to whether or not the person intends to return to that State;

“(B) be deemed to have acquired a residence or domicile in any other State; or

“(C) be deemed to have become a resident in or a resident of any other State; and

“(2) the spouse of a servicemember may elect to use the same residence as the servicemember re-
gardless of the date on which the marriage of the spouse and the servicemember occurred.”.

(2) **CLERICAL AMENDMENT.**—The table of contents in section 1(b) of such Act is amended by inserting after the item relating to section 706 the following new item:

"Sec. 707. Guarantee of residency for businesses of spouses of servicemembers."

SEC. 625. **EXPANSION OF AUTHORITY TO PROVIDE FINANCIAL ASSISTANCE TO CIVILIAN PROVIDERS OF CHILD CARE SERVICES OR YOUTH PROGRAM SERVICES WHO PROVIDE SUCH SERVICES TO SURVIVORS OF MEMBERS OF THE ARMED FORCES WHO DIE IN LINE OF DUTY.**

Section 1798(a) of title 10, United States Code, is amended by inserting “, survivors of members of the armed forces who die in line of duty while on active duty, active duty for training, or inactive duty for training,” after “armed forces”.

SEC. 626. **SPACE-AVAILABLE TRAVEL ON MILITARY AIRCRAFT FOR CHILDREN AND SURVIVING SPOUSES OF MEMBERS WHO DIE OF HOSTILE ACTION OR TRAINING DUTY.**

Section 2641b(c) of title 10, United States Code, is amended—
(1) by redesignating paragraph (6) as para-
graph (7); and

(2) by inserting after paragraph (5) the fol-
lowing new paragraph (6):

“(6) Children (as described by section
1072(2)(D) or section 1110b(b) of this title, as the
case may be) and surviving spouses of members of
the armed forces who die as a result of hostile action
or training duty.”.

SEC. 627. CONSIDERATION OF SERVICE ON ACTIVE DUTY
TO REDUCE AGE OF ELIGIBILITY FOR RETIRED PAY FOR NON-REGULAR SERVICE.
Section 12731(f)(2)(B)(i) of title 10, United States
Code, is amended by striking “under a provision of law
referred to in section 101(a)(13)(B) or under section
12301(d)” and inserting “under section 12301(d) or
12304b of this title, or under a provision of law referred
to in section 101(a)(13)(B)”.

SEC. 628. MODIFICATION TO AUTHORITY TO REIMBURSE
FOR STATE LICENSURE AND CERTIFICATION
COSTS OF A SPOUSE OF A MEMBER ARISING
FROM RELOCATION.
Section 476(p) of title 37, United States Code, is
amended—
(1) in paragraph (1), by striking “armed forces” and inserting “uniformed services”;

(2) in paragraph (2), by striking “$500” and inserting “$1,000”;

(3) in paragraph (3)—

(A) in subparagraph (A), by striking “and”;

(B) in subparagraph (B), by striking the period and inserting “; and”; and

(C) by adding at the end the following new subparagraph:

“(C) an analysis of whether the maximum reimbursement amount under paragraph (2) is sufficient to cover the average costs of relicensing described in paragraph (1).”; and

(4) in paragraph (4), by striking “December 31, 2022” and inserting “December 31, 2024”.

SEC. 629. IMPROVEMENTS TO CHILD CARE FOR MEMBERS OF THE ARMED FORCES.

(a) EXPANSION OF AUTHORITY TO PROVIDE FINANCIAL ASSISTANCE TO CIVILIAN PROVIDERS OF CHILD CARE SERVICES OR YOUTH PROGRAM SERVICES WHO PROVIDE SUCH SERVICES TO SURVIVORS OF MEMBERS OF THE ARMED FORCES WHO DIE IN THE LINE OF DUTY.—Section 1798(a) of title 10, United States Code,
is amended by inserting “, survivors of members of the armed forces who die in the line of duty while on active military, naval, or air service (as that term is defined in section 101 of title 38),” after “armed forces”.

(b) Expansion of Direct Hiring Authority for Child Care Service Providers.—Section 559 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 1792 note) is amended—

(1) in the section heading, by striking “FOR DEPARTMENT CHILD DEVELOPMENT CENTERS”;

(2) in subsection (a)(1), by striking for “Department of Defense child development centers” and inserting “for the Department of Defense”; and

(3) in subsection (e), by striking “in child development centers”.

(c) Assessment of Financial Assistance Provided to Civilian Child Care Providers.—

(1) Assessment.—The Secretary of Defense shall assess the maximum amount of financial assistance provided to eligible civilian providers of child care services or youth program services that furnish such service for members of the armed forces and employees of the United States under section 1798 of title 10, United States Code, as amend-
ed by subsection (a). Such assessment shall include the following:

(A) The determination of the Secretary whether the maximum allowable financial assistance should be standardized across the Armed Forces.

(B) Whether the maximum allowable amount adequately accounts for high-cost duty stations.

(2) REPORT.—No later than June 1, 2020, the Secretary of Defense shall submit a report to the Committees on Armed Services of the Senate and the House of Representatives regarding the results of the assessment under paragraph (1) and any actions taken by the Secretary to remedy identified shortfalls in assistance described in that paragraph.

(d) ASSESSMENT OF CHILD CARE CAPACITY ON MILITARY INSTALLATIONS.—

(1) ASSESSMENT.—The Secretary of Defense shall assess the capacity for child care at all military installations to ensure that members of the Armed Forces have meaningful access to child care during tours of duty.

(2) REMEDIAL ACTION.—The Secretary of Defense shall take steps the Secretary determines nec-
necessary to alleviate the waiting lists for child care described in paragraph (1).

(3) REPORT.—Not later than June 1, 2020, the Secretary of Defense shall provide a report to the Committees on Armed Forces of the Senate and the House of Representative regarding—

(A) the assessment under paragraph (1);

(B) action taken under paragraph (2); and

(C) any additional resources (including additional funding for and child care facilities and workers) the Secretary determines necessary to increase access described in paragraph (1).

(e) ASSESSMENT OF ACCESSIBILITY OF WEBSITES OF THE DEPARTMENT OF DEFENSE RELATED TO CHILD CARE AND SPOUSAL EMPLOYMENT.—

(1) ASSESSMENT.—The Secretary of Defense shall review the functions and accessibility of websites of the Department of Defense designed for members of the Armed Forces and the families of such members to access information and services offered by the Department regarding child care, spousal employment, and other family matters.

(2) REPORT.—Not later than March 1, 2020, the Secretary of Defense shall provide a briefing to the Committees on Armed Services of the Senate
and the House of Representatives regarding the results of the assessment under paragraph (1) and actions taken to enhance accessibility of the websites.

(f) PORTABILITY OF BACKGROUND INVESTIGATIONS FOR CHILD CARE PROVIDERS.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall ensure that the background investigation and training certification for a child care provider employed by the Department of Defense in a facility of the Department may be transferred to another facility of the Department, without regard to which Secretary of a military department has jurisdiction over either such facility.

SEC. 630. CASUALTY ASSISTANCE FOR SURVIVORS OF DECEASED ROTC GRADUATES.

Section 633 of the National Defense Authorization Act for Fiscal Year 2014 (10 U.S.C. 1475 note) is amended by adding at the end the following new subsection:

“(c) ROTC GRADUATES.—

“(1) TREATED AS MEMBERS.—For purposes of this section, a graduate of a reserve officers’ training corps who dies before receiving a first duty assignment shall be treated as a member of the Armed Forces who dies while on active duty.

“(2) EFFECTIVE DATE.—This subsection applies to deaths on or after the date of the enactment
of the National Defense Authorization Act for Fiscal Year 2020.”

Subtitle D—Defense Resale Matters

SEC. 631. GAO REVIEW OF DEFENSE RESALE OPTIMIZATION STUDY.

(a) REVIEW.—The Comptroller General of the United States shall conduct a review of the business case analysis performed as part of the defense resale optimization study conducted by the Reform Management Group, titled “Study to Determine the Feasibility of Consolidation of the Defense Resale Entities” and dated December 4, 2018.

(b) REPORT REQUIRED; ELEMENTS.—Not later than April 1, 2020, the Comptroller General shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report regarding the review performed under this section. The report shall include evaluations of the following:

(1) The descriptions and justifications for the assumptions, analytical choices and data used by the Reform Management Group to calculate:

(A) Pricing.

(B) Sales assumptions.

(C) Accuracy of methods employed to measure patron savings levels.
(2) The timetable for consolidation of military exchanges and commissaries.

(3) The recommendations for consolidation developed as part of the business case analysis, including the overall cost of consolidation.

(4) The budget and oversight implications of merging non-appropriated funds and appropriated funds to implement the recommended reforms.

(5) The extent to which the Reform Management Group coordinated with the Secretaries of the military departments and the chiefs of the Armed Forces in preparing the study.

(6) The extent to which the Reform Management Group addressed concerns of the Secretaries of the military departments and the chiefs of the Armed Forces in the study.

(7) If the recommendations in the business case analysis were implemented—

(A) the ability of military exchanges and commissaries to provide earnings to support on-base morale, welfare, and recreation programs; and

(B) the financial viability of the military exchanges and commissaries.
(c) DELAY ON CONSOLIDATION.—The Secretary of Defense may not take any action to consolidate military exchanges and commissaries until the Committees on Armed Services of the Senate and the House of Represent- atives notify the Secretary in writing of receipt and accept- ance of the findings of the Comptroller General in the re- port required under this section.

TITLE VII—HEALTH CARE PROVISIONS

Subtitle A—TRICARE and Other Health Care Benefits

SEC. 701. CONTRACEPTION COVERAGE PARITY UNDER THE TRICARE PROGRAM.

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

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

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

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

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

“(c) Prohibition on Cost Sharing for Certain
Services.—Notwithstanding section 1074g(a)(6), section
1075, or section 1075a of this title, or any other provision
of law, cost sharing may not be imposed or collected for
care related to the prevention of pregnancy provided pur-
suant to subsection (a) or (b), including for any method
of contraception provided, whether provided through a fa-
cility of the uniformed services, the TRICARE retail phar-
my program, or the national mail-order pharmacy pro-
gram.”.

(b) Conforming Amendment.—Section
1077(a)(13) of such title is amended by striking “section
1074d(b)” and inserting “section 1074d(d)”.

SEC. 702. PREGNANCY PREVENTION ASSISTANCE AT MILI-
TARY MEDICAL TREATMENT FACILITIES FOR
SEXUAL ASSAULT SURVIVORS.

(a) In General.—Chapter 55 of title 10, United
States Code, is amended by inserting after section 1074o
the following new section:
§ 1074p. Provision of pregnancy prevention assistance at military medical treatment facilities

(a) INFORMATION AND ASSISTANCE.—The Secretary of Defense shall promptly furnish to sexual assault survivors at each military medical treatment facility the following:

“(1) Comprehensive, medically and factually accurate, and unbiased written and oral information about all methods of emergency contraception approved by the Food and Drug Administration.

“(2) Notification of the right of the sexual assault survivor to confidentiality with respect to the information and care and services furnished under this section.

“(3) Upon request by the sexual assault survivor, emergency contraception or, if applicable, a prescription for emergency contraception.

(b) INFORMATION.—The Secretary shall ensure that information provided pursuant to subsection (a) is provided in language that—

“(1) is clear and concise;

“(2) is readily comprehensible; and

“(3) meets such conditions (including conditions regarding the provision of information in lan-
guages other than English) as the Secretary may
prescribe in regulations to carry out this section.

“(c) DEFINITIONS.—In this section:

“(1) The term ‘sexual assault survivor’ means
any individual who presents at a military medical
treatment facility and—

“(A) states to personnel of the facility that
the individual experienced a sexual assault;

“(B) is accompanied by another person
who states that the individual experienced a
sexual assault; or

“(C) whom the personnel of the facility
reasonably believes to be a survivor of sexual
assault.

“(2) The term ‘sexual assault’ means the con-
duct described in section 1565b(c) of this title that
may result in pregnancy.”.

(b) CLERICAL AMENDMENT.—The table of sections
at the beginning of such chapter is amended by inserting
after the item relating to section 1074o the following new
item:

“1074p. Provision of pregnancy prevention assistance at military medical treat-
ment facilities.”.
SEC. 703. MODIFICATION OF ELIGIBILITY FOR TRICARE Reserve Select for Certain Members of the Selected Reserve.

Section 1076d(a)(2) of title 10, United States Code, is amended by striking “Paragraph (1) does not apply” and inserting “During the period preceding January 1, 2030, paragraph (1) does not apply”.

SEC. 704. LEAD LEVEL SCREENINGS AND TESTINGS FOR CHILDREN.

(a) TRICARE.—

(1) WELL-BABY CARE.—Section 1077 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(i)(1) Beginning January 1, 2020, in furnishing well-baby care under subsection (a)(8), the Secretary shall ensure that the following care is made available:

“(A) With respect to a child who lives in housing built before 1978 at any time during the first 24 months of the life of the child—

“(i) the first testing of the child for the level of lead in the blood of the child at approximately the age of 12 months; and

“(ii) the second such test at approximately the age of 24 months.

“(B) With respect to a child not covered by subparagraph (A) whose parent or guardian, at any
time during the first 24 months of the life of the child, has a military occupational specialty that the Secretary determines poses an elevated risk of lead exposure—

“(i) the first testing of the child for the level of lead in the blood of the child at approximately the age of 12 months; and

“(ii) the second such test at approximately the age of 24 months.

“(C) With respect to a child not covered by subparagraph (A) or (B)—

“(i) the first screening of the child for an elevated risk of lead exposure at approximately the age of 12 months; and

“(ii) the second such screening at approximately the age of 24 months.

“(D) With respect to a child covered by subparagraph (C) whose screening indicates an elevated risk of lead exposure, testing of the child for the level of lead in the blood of the child.

“(2) The Secretary shall ensure that any care provided to a child pursuant to this chapter for lead poisoning, including the care under paragraph (1), is carried out in accordance with applicable advice from the Centers for Disease Control and Prevention.
“(3)(A) With respect to a child who receives a test under paragraph (1), the Secretary shall provide the results of the test to the parent or guardian of the child.

“(B) With respect to a child who receives a test under paragraph (1), the Secretary shall provide the results of the test and the address at which the child resides to—

“(i) the relevant health department of the State in which the child resides if the child resides in the United States; or

“(ii) the Centers for Disease Control and Prevention if the child resides outside the United States.

“(C) In providing information regarding a child to a State or the Centers for Disease Control and Prevention under subparagraph (B), the Secretary may not provide any identifying information or health information of the child that is not specifically authorized in such subparagraph.

“(D) In this paragraph, the term ‘State’ means each of the several States, the District of Columbia, the Commonwealth of Puerto Rico, and any territory or possession of the United States.”.

(2) CONFORMING AMENDMENT.—Subsection (a)(8) of such section is amended by striking “including well-baby care that includes one screening of
an infant for the level of lead in the blood of the infant” and inserting “including, in accordance with subsection (i), well-baby care that includes screenings and testings for lead exposure and lead poisoning”.

(3) STUDY.—Not later than January 1, 2021, the Secretary of Defense shall submit to the congressional defense committees a report detailing the following:

(A) The number of children who were tested for the level of lead in the blood of the child pursuant to subparagraph (A) of subsection (i)(1) of section 1077 of title 10, United States Code, as added by paragraph (1), and of such number, the number who were found to have elevated blood lead levels.

(B) The number of children who were tested for the level of lead in the blood of the child pursuant to subparagraph (B) of such subsection (i)(1), and of such number, the number who were found to have lead poisoning.

(C) The number of children who were screened for an elevated risk of lead exposure pursuant to subparagraph (C) of such subsection (i)(1).
(D) The number of children who were tested for the level of lead in the blood of the child pursuant to subparagraph (D) of such subsection, and of such number, the number who were found to have elevated blood lead levels.

(E) The treatment provided to children pursuant to chapter 55 of title 10, United States Code, for lead poisoning.

(4) GAO REPORT.—Not later than January 1, 2022, the Comptroller General of the United States shall submit to the congressional defense committees a report on the effectiveness of screening, testing, and treating children for lead exposure and lead poisoning pursuant to chapter 55 of title 10, United States Code.

(b) NOTIFICATION OF HOUSING.—Section 403 of title 37, United States Code, is amended by adding at the end the following new subsection:

“(p) RECORDS REGARDING HOUSING AND LEAD-BASED PAINT.—(1) The Secretary concerned shall keep a record of whether the following housing was built before, during, or after 1978:

“(A) Quarters of the United States under the jurisdiction of that Secretary concerned.
“(B) A housing facility under the jurisdiction of that Secretary concerned.

“(C) Other housing in which a member of the uniformed service of that Secretary concerned resides.

“(2) As a condition of receipt of a basic allowance for housing under this section, a member of the uniformed services shall notify the Secretary concerned whether the housing in which that member resides was built before, during, or after 1978.”.

SEC. 705. EXPOSURE TO OPEN BURN PITS AND TOXIC AIRBORNE CHEMICALS OR OTHER AIRBORNE CONTAMINANTS AS PART OF PERIODIC HEALTH ASSESSMENTS AND OTHER PHYSICAL EXAMINATIONS.

(a) Periodic Health Assessment.—The Secretary of Defense shall ensure that any periodic health assessment provided to members of the Armed Forces includes an evaluation of whether the member has been—

(1) based or stationed at a location where an open burn pit was used; or

(2) exposed to toxic airborne chemicals or other airborne contaminants, including any information recorded as part of the Airborne Hazards and Open Burn Pit Registry.
343 (b) SEPARATION HISTORY AND PHYSICAL EXAMINATIONS.—Section 1145(a)(5) of title 10, United States Code, is amended by adding at the end the following new subparagraph:

"(C) The Secretary concerned shall ensure that each physical examination of a member under subparagraph (A) includes an assessment of whether the member was—

"(i) based or stationed at a location where an open burn pit, as defined in subsection (c) of section 201 of the Dignified Burial and Other Veterans’ Benefits Improvement Act of 2012 (Public Law 112–260; 38 U.S.C. 527 note), was used; or

"(ii) exposed to toxic airborne chemicals or other airborne contaminants, including any information recorded as part of the registry established by the Secretary of Veterans Affairs under such section 201."

(c) DEPLOYMENT ASSESSMENTS.—Section 1074f(b)(2) of title 10, United States Code, is amended by adding at the end the following new subparagraph:

"(D) An assessment of whether the member was—

"(i) based or stationed at a location where an open burn pit, as defined in subsection (c) of section 201 of the Dignified Burial and
Other Veterans’ Benefits Improvement Act of 2012 (Public Law 112–260; 38 U.S.C. 527 note), was used; or

“(ii) exposed to toxic airborne chemicals or other airborne contaminants, including any information recorded as part of the registry established by the Secretary of Veterans Affairs under such section 201.”.

(d) Sharing of Information.—

(1) DOD–VA.—The Secretary of Defense and the Secretary of Veterans Affairs shall jointly enter into a memorandum of understanding providing for the sharing by the Department of Defense with the Department of Veterans Affairs of the results of covered evaluations regarding the exposure by a member of the Armed Forces to toxic airborne chemicals or other airborne contaminants.

(2) Registry.—If a covered evaluation of a member of the Armed Forces establishes that the member was based or stationed at a location where an open burn pit was used or that the member was exposed to toxic airborne chemicals or other airborne contaminants, the member shall be enrolled in the Airborne Hazards and Open Burn Pit Registry unless the member elects to not so enroll.
(e) RULE OF CONSTRUCTION.—Nothing in this section may be construed to preclude eligibility for benefits under the laws administered by the Secretary of Veterans Affairs by reason of the open burn pit exposure history of a veteran not being recorded in a covered evaluation.

(f) DEFINITIONS.—In this section:

(1) The term “Airborne Hazards and Open Burn Pit Registry” means the registry established by the Secretary of Veterans Affairs under section 201 of the Dignified Burial and Other Veterans’ Benefits Improvement Act of 2012 (Public Law 112–260; 38 U.S.C. 527 note).

(2) The term “covered evaluation” means—

(A) a periodic health assessment conducted in accordance with subsection (a);

(B) a separation history and physical examination conducted under section 1145(a)(5) of title 10, United States Code, as amended by this section; and

(C) a deployment assessment conducted under section 1074f(b)(2) of such title, as amended by this section.

(3) The term “open burn pit” has the meaning given that term in section 201(c) of the Dignified Burial and Other Veterans’ Benefits Improvement

SEC. 706. ENHANCEMENT OF RECORDKEEPING AND POSTDEPLOYMENT MEDICAL ASSESSMENT REQUIREMENTS RELATED TO OCCUPATIONAL AND ENVIRONMENTAL HAZARD EXPOSURE DURING DEPLOYMENT.

(a) Recording of Occupational and Environmental Health Risks in Deployment Area.—

(1) Elements of Medical Tracking System.—Subsection (b)(1)(A) of section 1074f of title 10, United States Code, is amended—

(A) in clause (ii), by striking “and” at the end;

(B) in clause (iii), by striking the period at the end and inserting “; and”; and

(C) by adding at the end the following new clause:

“(iv) accurately record any exposure to occupational and environmental health risks during the course of their deployment.”.

(2) Recordkeeping.—Subsection (e) of such section is amended by inserting after “deployment area” the following: “(including the results of any
assessment performed by the Secretary of occupational and environmental health risks for such area)."

3) Effective Date.—The amendments made by this subsection shall take effect on the date of the enactment of this Act.

(b) Integration of Burn Pit Registry Information into Electronic Health Records.—

(1) Updates to Electronic Health Records.—Beginning not later than one year after the date of the enactment of this Act—

(A) the Secretary of Defense shall ensure that the electronic health record maintained by such Secretary of a member of the Armed Forces registered with the burn pit registry is updated with any information contained in such registry; and

(B) the Secretary of Veterans Affairs shall ensure that the electronic health record maintained by such Secretary of a veteran registered with the burn pit registry is updated with any information contained in such registry.

(2) Burn Pit Registry Defined.—In this subsection, the term “burn pit registry” means the registry established under section 201 of the Dig-

(c) Postdeployment Medical Examination and Reassessments.—

(1) Additional Requirements.—Section 1074f of title 10, United States Code is further amended by adding at the end the following new subsection:

“(g) Additional Requirements for Postdeployment Medical Examinations and Health Reassessments.—(1) The Secretary of Defense shall—

“(A) standardize and make available to a provider that conducts a postdeployment medical examination or reassessment under the system described in subsection (a) questions relating to occupational and environmental health exposure; and

“(B) prior to an examination or reassessment of a member of the armed forces, require such provider to review information applicable to such member—

“(i) in a Periodic Occupational and Environmental Monitoring Summary (or any successor document); and
“(ii) on the Defense Occupational and Environmental Health Readiness System (or any successor system).

“(2) The Secretary shall ensure that the medical record of a member includes information on the external cause relating to a diagnosis of the member, including by associating an external cause code (as issued under the International Statistical Classification of Diseases, 10th Revision (or any successor revision)).”.

(2) EFFECTIVE DATE.—The amendments made by this subsection shall take effect 180 days after the date of the enactment of this Act.

(d) REPORT BY COMPTROLLER GENERAL OF THE UNITED STATES.—Not later than two years after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the congressional defense committees and the Committees on Veterans’ Affairs of the House of Representatives and the Senate a report containing an evaluation of the implementation of this section (and the amendments made by this section), including an assessment of the extent to which the Secretary of Defense and Secretary of Veterans Affairs are in compliance with the applicable requirements of this section (and the amendments made by this section).
SEC. 707. MODIFICATIONS TO POST-DEPLOYMENT MENTAL HEALTH ASSESSMENTS FOR MEMBERS OF THE ARMED FORCES DEPLOYED IN SUPPORT OF A CONTINGENCY OPERATION.

(a) REQUIRED ASSESSMENTS.—Section 1074m(a)(1) of title 10, United States Code, is amended by striking subparagraphs (C) and (D) and inserting the following new subparagraphs:

“(C) Subject to paragraph (3) and subsection (d), once during the period beginning on the date of redeployment from the contingency operation and ending 14 days after such redeployment date.

“(D) Subject to subsection (d), not less than once annually—

“(i) beginning 14 days after the date of redeployment from the contingency operation; or

“(ii) if the assessment required by subparagraph (C) is performed during the period specified in paragraph (3), beginning 180 days after the date of redeployment from the contingency operation.”.

(b) EXCEPTIONS.—Section 1074m(a) of such title, as amended by subsection (a), is further amended by striking paragraph (2) and inserting the following new paragraphs:
“(2) A mental health assessment is not required for a member of the armed forces under subparagraphs (C) and (D) of paragraph (1) (including an assessment performed pursuant to paragraph (3)) if the Secretary determines that providing such assessment to the member during the time periods under such subparagraphs would remove the member from forward deployment or put members or operational objectives at risk.

“(3) A mental health assessment required under subparagraph (C) of paragraph (1) may be provided during the period beginning 90 days after the date of redeployment from the contingency operation and ending 180 days after such redeployment date if the Secretary determines that—

“(A) an insufficient number of personnel are available to perform the assessment during the time period under such subparagraph; or

“(B) an administrative processing issue exists upon the return of the member to the home unit or duty station that would prevent the effective performance of the assessment during such time period.”.

(e) EFFECTIVE DATE.—The amendments made by this section shall apply with respect to a date of redeployment that is on or after January 1, 2020.
SEC. 708. PROVISION OF BLOOD TESTING FOR FIRE- 
FIGHTERS OF DEPARTMENT OF DEFENSE TO 
DETERMINE EXPOSURE TO 
PERFLUOROALKYL AND POLYFLUOROALKYL 
SUBSTANCES.

The Secretary of Defense shall include, as part of the 
annual physical examination provided by the Secretary to 
each firefighter of the Department of Defense, blood test-
ing to determine and document the potential exposure of 
such firefighters to perfluoralkyl and polyfluoralkyl sub-
stances (commonly known as “PFAS”).

Subtitle B—Health Care 
Administration

SEC. 711. REQUIREMENTS FOR CERTAIN PRESCRIPTION 
DRUG LABELS.

(a) REQUIREMENT.—Section 1074g of title 10, 
United States Code, is amended—

(1) by redesignating subsections (h) and (i) as 
subsections (i) and (j), respectively; and 

(2) by inserting after subsection (g) the fol-
lowing new subsection (h):

“(h) LABELING.—The Secretary of Defense shall en-
sure that drugs made available through the facilities of 
the armed forces under the jurisdiction of the Secretary 
include labels that—
“(1) are printed and physically located on or within the package from which the drug is to be dispensed; and

“(2) provide adequate directions for the purposes for which the drug is intended.”.

(b) CONFORMING AMENDMENT.—Subsection (b)(1) of such section is amended by striking “under subsection (h)” and inserting “under subsection (j)”.

(e) IMPLEMENTATION.—Beginning not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall implement subsection (h) of section 1074g of title 10, United States Code, as added by subsection (a).

SEC. 712. OFFICERS AUTHORIZED TO COMMAND ARMY DENTAL UNITS.

Section 7081(d) of title 10, United States Code, is amended by striking “Dental Corps Officer” and inserting “commissioned officer of the Army Medical Department”.

SEC. 713. IMPROVEMENTS TO LEADERSHIP OF INTERAGENCY PROGRAM OFFICE OF THE DEPARTMENT OF DEFENSE AND THE DEPARTMENT OF VETERANS AFFAIRS.

Subsection (c) of section 1635 of the Wounded Warrior Act (title XVI of Public Law 110–181; 10 U.S.C. 1071 note) is amended to read as follows:
“(c) LEADERSHIP.—

“(1) DIRECTOR.—The Director of the Office shall be the head of the Office.

“(2) DEPUTY DIRECTOR.—The Deputy Director of the Office shall be the deputy head of the Office and shall assist the Director in carrying out the duties of the Director.

“(3) REPORTING.—The Director shall report to the Department of Veterans Affairs-Department of Defense Joint Executive Committee established by section 320 of title 38, United States Code.

“(4) APPOINTMENTS.—

“(A) DIRECTOR.—The Director shall be jointly appointed by the Secretary of Veterans Affairs and the Secretary of Defense for a five-year term. The Director may be reappointed for one or more additional terms.

“(B) DEPUTY DIRECTOR.—The Deputy Director shall be jointly appointed by the Secretary of Veterans Affairs and the Secretary of Defense for a five-year term. The Deputy Director may be reappointed for one or more additional terms.

“(C) ADVICE.—The Department of Veterans Affairs-Department of Defense Joint Ex-
ecutive Committee shall provide the Secretary of Veterans Affairs and the Secretary of Defense with advice regarding potential individuals to be appointed Director and Deputy Director under subparagraphs (A) and (B), respectively.

“(D) MINIMUM QUALIFICATIONS.—The Department of Veterans Affairs-Department of Defense Joint Executive Committee shall develop qualification requirements for the office of the Director and the Deputy Director. Such requirements shall ensure that, at a minimum, the Director and Deputy Director, individually or together, meet the following qualifications:

“(i) Significant experience as a clinician, at the level of chief medical officer or equivalent.

“(ii) Significant experience in health informatics, at the level of chief health informatics officer or equivalent.

“(iii) Significant experience leading implementation of enterprise-wide technology in a health care setting in the public or private sector.

“(5) ADDITIONAL GUIDANCE.—In addition to providing direction, supervision, and control of the
Office pursuant to paragraph (3), the Department of Veterans Affairs-Department of Defense Joint Executive Committee shall—

“(A) provide guidance in the discharge of the functions of the Office under this section; and

“(B) facilitate the establishment of a charter and mission statement for the Office.

“(6) INFORMATION TO CONGRESS.—Upon request by any of the appropriate committees of Congress, the Director and the Deputy Director shall testify before such committee, or provide a briefing or otherwise provide requested information to such committee, regarding the discharge of the functions of the Office under this section.”.

SEC. 714. INCLUSION OF BLAST EXPOSURE HISTORY IN MEDICAL RECORDS OF MEMBERS OF THE ARMED FORCES.

(a) REQUIREMENT.—The Secretary of Defense, in coordination with the Secretaries of the military departments, shall document blast exposure history in the medical record of a member of the Armed Forces to—

(1) assist in determining whether a future illness or injury of the member is service-connected; and
(2) inform future blast exposure risk mitigation
efforts of the Department of Defense.

(b) ELEMENTS.—A blast exposure history under sub-
section (a) shall include, at a minimum, the following:

(1) The date of the exposure.

(2) The duration of the exposure, and, if
known, the measured blast pressure experienced by
the individual during such exposure.

(3) Whether the exposure occurred during com-
bat or training.

(4) Such other information relating to the expo-
sure as the Secretary of Defense may specify pursu-
ant to the guidance described in subsection (c)(1).

(c) COLLECTION OF EXPOSURE INFORMATION.—The
Secretary of Defense shall collect blast exposure informa-
tion with respect to a member of the Armed Forces in
a manner—

(1) consistent with blast exposure measurement
training guidance of the Department, including any
new guidance developed pursuant to—

(A) the study on blast pressure exposure
required by section 734 of the National Defense
Authorization Act for Fiscal Year 2018 (Public
Law 115–91; 131 Stat. 1444); and
(B) the review of guidance on blast exposure during training required by section 253 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 1704, 10 U.S.C. 2001 note);

(2) compatible with training and operational objectives; and

(3) that is automated, to the extent practicable, to minimize the reporting burden of unit commanders.

(d) REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the types of information included in a blast exposure history under subsection (a).

SEC. 715. COMPREHENSIVE POLICY FOR PROVISION OF MENTAL HEALTH CARE TO MEMBERS OF THE ARMED FORCES.

(a) POLICY REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, acting through the Under Secretary of Defense for Personnel and Readiness, shall develop and im-
implement a comprehensive policy for the provision of mental health care to members of the Armed Forces.

(b) ELEMENTS.—The policy under subsection (a) shall address each of the following:

(1) The compliance of health professionals in the military health system engaged in the provision of health care services to members with clinical practice guidelines for—

(A) suicide prevention;

(B) medication-assisted therapy for alcohol use disorders; and

(C) medication-assisted therapy for opioid use disorders.

(2) The access and availability of mental health care services to members who are victims of sexual assault or domestic violence.

(3) The availability of naloxone reversal capability on military installations.

(4) The promotion of referrals of members by civilian health care providers to military medical treatment facilities when such members are—

(A) at high risk for suicide and diagnosed with a psychiatric disorder; or

(B) receiving treatment for opioid use disorders.
The provision of comprehensive behavioral health treatment to members of the reserve components that takes into account the unique challenges associated with the deployment pattern of such members and the difficulty such members encounter post-deployment with respect to accessing such treatment in civilian communities.

(c) CONSIDERATION.—In developing the policy under subsection (a), the Secretary of Defense shall solicit and consider recommendations from the Secretaries of the military departments and the Chairman of the Joint Chiefs of Staff regarding the feasibility of implementation and execution of particular elements of the policy.

(d) REPORT.—Not later than 18 months after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the implementation of the policy under subsection (a).

SEC. 716. LIMITATION ON THE REALIGNMENT OR REDUCTION OF MILITARY MEDICAL MANNING END STRENGTH.

(a) LIMITATION.—Except as provided by subsection (d), the Secretary of Defense and the Secretaries concerned may not realign or reduce military medical end strength authorizations until—
(1) each review is conducted under paragraph (1) of subsection (b);
(2) each analysis is conducted under paragraph (2) of such subsection;
(3) the measurement is developed under paragraph (3) of such subsection;
(4) each plan and forum is provided under paragraph (4) of such subsection; and
(5) a period of 90 days elapses following the date on which the Secretary submits the report under subsection (c).

(b) Reviews, Analyses, and Other Information.—

(1) Review.—Each Secretary concerned, in coordination with the Chairman of the Joint Chiefs of Staff, shall conduct a review of the medical manpower requirements of the military department of the Secretary that accounts for all national defense strategy scenarios.

(2) Analyses.—With respect to each military medical treatment facility that would be affected by a proposed military medical end strength realignment or reduction, the Secretary concerned shall conduct an analysis that—

(A) identifies affected billets; and
(B) includes a plan for mitigating any potential gap in health care services caused by such realignment or reduction.

(3) MEASUREMENT.—The Secretary of Defense shall—

(A) develop a standard measurement for network adequacy to determine the capacity of the local health care network to provide care for covered beneficiaries in the area of a military medical treatment facility that would be affected by a proposed military medical end strength realignment or reduction; and

(B) use such measurement in carrying out this section and otherwise evaluating proposed military medical end strength realignment or reductions.

(4) OUTREACH.—The Secretary of Defense shall provide to each member of the Armed Forces and covered beneficiary located in the area of a military medical treatment facility that would be affected by a proposed military medical end strength realignment or reduction the following:

(A) A transition plan for continuity of health care services.
(B) A public forum to discuss the concerns of the member and covered beneficiary regarding such proposed realignment or reduction.

(c) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report on the proposed military medical end strength realignments or reductions, including—

(1) the reviews, analyses, and other information developed under subsection (b); and

(2) a description of the actions the Secretary plans to take with respect to such proposed realignments or reductions.

(d) EXCEPTION.—The limitation in subsection (a) shall not apply to billets of a medical department of a military department that have remained unfilled since at least October 1, 2018. The Secretary concerned may realign or reduce such a billet if the Secretary determines that such realignment or reduction does not affect the provision of health care services to members of the Armed Forces or covered beneficiaries.

(e) DEFINITIONS.—In this section:
(1) The term “covered beneficiary” has the meaning given that term in section 1072 of title 10, United States Code.

(2) The term “proposed military medical end strength realignment or reduction” means a realignment or reduction of military medical end strength authorizations as proposed by the budget of the President for fiscal year 2020 submitted to Congress pursuant to section 1105 of title 31, United States Code.

(3) The term “Secretary concerned” means—

(A) the Secretary of the Army, with respect to matters concerning the Army;

(B) the Secretary of the Navy, with respect to matters concerning the Navy, the Marine Corps, and the Coast Guard when it is operating as a service in the Department of the Navy; and

(C) the Secretary of the Air Force, with respect to matters concerning the Air Force.

SEC. 717. STRATEGY TO RECRUIT AND RETAIN MENTAL HEALTH PROVIDERS.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report that—
(1) describes the shortage of mental health providers of the Department of Defense;

(2) explains the reasons for such shortage;

(3) explains the effect of such shortage on members of the Armed Forces; and

(4) contains a strategy to better recruit and retain mental health providers, including with respect to psychiatrists, psychologists, mental health nurse practitioners, licensed social workers, and other licensed providers of the military health system.

SEC. 718. MONITORING MEDICATION PRESCRIBING PRACTICES FOR THE TREATMENT OF POST-TRAUMATIC STRESS DISORDER.

(a) Report.—

(1) In general.—Not later than 180 days after the date of enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report on the practices for prescribing medication during the period beginning January 1, 2012, and ending December 31, 2017, that were inconsistent with the post-traumatic stress disorder medication guidelines developed by the Department of Defense and the Veterans Health Administration.
(2) CONTENTS.—The report under this subsection shall include the following:

(A) A summary of the practices of the Army, Navy, and the Air Force, for prescribing medication during the period referred to in paragraph (1) that were inconsistent with the post-traumatic stress disorder medication guidelines developed by the Department of Defense and the Veterans Health Administration.

(B) Identification of medical centers serving members of the Armed Forces found to having higher than average incidences of prescribing medication during the period referred to in paragraph (1) that were inconsistent with the post-traumatic stress disorder guidelines.

(C) A plan for such medical centers to reduce the prescribing of medications that are inconsistent with the post-traumatic stress disorder guidelines.

(D) A plan for ongoing monitoring of medical centers found to have higher than average incidences of prescribing medication that were inconsistent with the post-traumatic stress disorder guidelines by the Department of Defense and the Veterans Health Administration.
(b) MONITORING PROGRAM.—Based on the findings of the report under subsection (a), the Secretaries of the Army, the Navy, and the Air Force shall each establish a monitoring program carried out with respect to such branch of the Armed Forces that shall provide as follows:

(1) The monitoring program shall provide for the conduct of periodic reviews, beginning October 1, 2019, of medication prescribing practices of its own providers.

(2) The monitoring program shall provide for regular reports, beginning October 1, 2020, to the Department of Defense and the Veterans Health Administration, of the results of the periodic reviews pursuant to paragraph (1) of this subsection.

(3) The monitoring program shall establish internal procedures, not later than October 1, 2020, to address practices for prescribing medication that are inconsistent with the post-traumatic stress disorder medication guidelines developed by the Department of Defense and the Veterans Health Administration.
Subtitle C—Reports and Other Matters

SEC. 721. ESTABLISHMENT OF MILITARY DENTAL RESEARCH PROGRAM.

(a) In General.—Chapter 104 of title 10, United States Code, is amended by inserting after section 2116 the following new section:

“§ 2116a. Military dental research

“(a) Definitions.—In this section:

“(1) The term ‘military dental research’ means research on the furnishing of dental care and services by dentists in the armed forces.

“(2) The term ‘TriService Dental Research Program’ means the program of military dental research authorized under this section.

“(b) Program Authorized.—The Secretary of Defense may establish at the University a program of military dental research.

“(c) TriService Research Group.—The TriService Dental Research Program shall be administered by a TriService Dental Research Group composed of Army, Navy, and Air Force dentists who are involved in military dental research and are designated by the Secretary concerned to serve as members of the group.
“(d) DUTIES OF GROUP.—The TriService Dental Research Group described in subsection (c) shall—

“(1) develop for the Department of Defense recommended guidelines for requesting, reviewing, and funding proposed military dental research projects; and

“(2) make available to Army, Navy, and Air Force dentists and officials of the Department of Defense who conduct military dental research—

“(A) information about dental research projects that are being developed or carried out in the Army, Navy, and Air Force; and

“(B) expertise and information beneficial to the encouragement of meaningful dental research.

“(e) RESEARCH TOPICS.—For purposes of this section, military dental research includes research on the following issues:

“(1) Issues regarding how to ensure the readiness of members of the armed forces on active duty and in the reserve components with respect to the provision of dental care and services.

“(2) Issues regarding preventive dentistry and disease management, including early detection of needs.
“(3) Issues regarding how to improve the results of dental care and services provided in the armed forces in time of peace.

“(4) Issues regarding how to improve the results of dental care and services provided in the armed forces in time of war.

“(5) Issues regarding minimizing or eliminating emergent dental conditions and dental disease and non-battle injuries in deployed settings.

“(6) Issues regarding how to prevent complications associated with dental-related battle injuries.

“(7) Issues regarding how to prevent complications associated with the transportation of dental patients in the military medical evacuation system.

“(8) Issues regarding the use of technological advances, including teledentistry.

“(9) Issues regarding psychological distress in receiving dental care and services.

“(10) Issues regarding how to improve methods of training dental personnel, including dental assistants and dental extenders.

“(11) Wellness issues relating to dental care and services.

“(12) Case management issues relating to dental care and services.
“(13) Issues regarding the use of alternate dental care delivery systems, including the employment of interprofessional practice models incorporating multiple health professions.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 104 of such title is amended by inserting after the item relating to section 2116 the following new item:

“2116a. Military dental research.”.

SEC. 722. PILOT PROGRAM ON CRYOPRESERVATION AND STORAGE.

(a) PILOT PROGRAM.—The Secretary of Defense shall establish a pilot program to provide not more than 1,000 members of the Armed Forces serving on active duty with the opportunity to cryopreserve and store their gametes prior to deployment to a combat zone.

(b) PERIOD.—

(1) IN GENERAL.—The Secretary shall provide for the cryopreservation and storage of gametes of a participating member of the Armed Forces under subsection (a), at no cost to the member, in a facility of the Department of Defense or at a private entity pursuant to a contract under subsection (d) until the date that is one year after the retirement, separation, or release of the member from the Armed Forces.
(2) Continued cryopreservation and storage.—At the end of the one-year period specified in paragraph (1), the Secretary shall authorize an individual whose gametes were cryopreserved and stored in a facility of the Department as described in that paragraph to select, including pursuant to an advance medical directive or military testamentary instrument completed under subsection (c), one of the following options:

   (A) To continue such cryopreservation and storage in such facility with the cost of such cryopreservation and storage borne by the individual.

   (B) To transfer the gametes to a private cryopreservation and storage facility selected by the individual.

   (C) To authorize the Secretary to dispose of the gametes of the individual not earlier than the date that is 90 days after the end of the one-year period specified in paragraph (1) with respect to the individual.

(c) Advance Medical Directive and Military Testamentary Instrument.—A member of the Armed Forces who elects to cryopreserve and store their gametes under this section shall complete an advance medical di-
rective described in section 1044c(b) of title 10, United States Code, and a military testamentary instrument described in section 1044d(b) of such title, that explicitly specifies the use of their cryopreserved and stored gametes if such member dies or otherwise loses the capacity to consent to the use of their cryopreserved and stored gametes.

(d) AGREEMENTS.—To carry out this section, the Secretary may enter into agreements with private entities that provide cryopreservation and storage services for gametes.

SEC. 723. ENCOURAGEMENT OF PARTICIPATION IN WOMEN’S HEALTH TRANSITION TRAINING PILOT PROGRAM.

(a) ENCOURAGEMENT OF PARTICIPATION.—The Secretaries of the military departments shall encourage female members of the Armed Forces who are separating or retiring from the Armed Forces during fiscal year 2020 to participate in the Women’s Health Transition Training pilot program (in this section referred to as the “pilot program”) administered by the Secretary of Veterans Affairs.

(b) SELECTION.—Each Secretary of a military department shall select at least one location at which the pilot program is offered and encourage participation in the pilot program at such location.
(c) REPORT.—Not later than September 30, 2020, the Secretary of Defense, in consultation with the Secretary of Veterans Affairs, shall submit to the Committees on Armed Services of the Senate and the House of Representatives and the Committees on Veterans’ Affairs of the Senate and House of Representatives a report on the pilot program that includes the following:

(1) For the period since the commencement of the pilot program—

(A) the number of courses held under the pilot program;

(B) the locations at which such courses were held; and

(C) for each location identified in subparagraph (B)—

(i) the number of female members by military department (with respect to Department of the Navy, separately for the Navy and Marine Corps) who participated in the pilot program; and

(ii) the number of seats available under the pilot program.

(2) Data relating to—

(A) satisfaction with courses held under the pilot program;
(B) improved awareness of health care services administered by the Secretary of Veterans Affairs; and

(C) any other available statistics regarding the pilot program.

(3) A discussion of regulatory, legal, or resource barriers to—

(A) making the pilot program permanent to enable access by a greater number of female members at locations throughout the United States;

(B) offering the pilot program online for female members who are unable to attend courses held under the pilot program in person; and

(C) providing for automatic enrollment of participants in the pilot program in the patient enrollment system of the Department of Veterans Affairs established and operated under section 1705 of title 38, United States Code.

SEC. 724. NATIONAL GUARD SUICIDE PREVENTION PILOT PROGRAM.

(a) PILOT PROGRAM AUTHORIZED.—The Chief of the National Guard Bureau may carry out a pilot program to expand suicide prevention and intervention efforts at
the community level through the use of a mobile application that provides the capability for a member of the National Guard to receive prompt support, including access to a behavioral health professional, on a smartphone, tablet computer, or other handheld mobile device.

(b) ELEMENTS.—The pilot program shall include, subject to such conditions as the Secretary may prescribe—

(1) the use by members of the National Guard of an existing mobile application that provides the capability described in subsection (a); or

(2) the development and use of a new mobile application that provides such capability.

(e) ELIGIBILITY AND PARTICIPATION REQUIREMENTS.—The Chief of the National Guard Bureau shall establish requirements with respect to eligibility and participation in the pilot program.

(d) ASSESSMENT PRIOR TO PILOT PROGRAM COMMENCEMENT.—Prior to commencement of the pilot program, the Chief of the National Guard Bureau shall—

(1) conduct an assessment of existing prevention and intervention efforts of the National Guard in each State that include the use of mobile applications that provide the capability described in subsection (a) to determine best practices for providing
immediate and localized care through the use of such mobile applications; and

(2) determine the feasibility of expanding existing programs on a national scale.

(e) Responsibilities of Entities Participating in Pilot Program.—Each entity that participates in the pilot program shall—

(1) share best practices with other entities participating in the program; and

(2) annually assess outcomes with respect to members of the National Guard.

(f) Term.—The pilot program shall terminate on the date that is three years after the date on which the pilot program commenced.

(g) Reports.—

(1) Initial Report.—If the Chief of the National Guard Bureau commences the pilot program authorized under subsection (a), not later than 180 days after the date of the commencement of such program, the Chief shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report containing a description of the pilot program and such other matters as the Chief considers appropriate.

(2) Final Report.—
(A) IN GENERAL.—Not later than 180 days after the termination of the pilot program, the Chief of the National Guard Bureau shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on such pilot program.

(B) MATTERS INCLUDED.—The report under subparagraph (A) shall include the following:

(i) A description of the pilot program, including any partnerships entered into by the Chief of the National Guard Bureau under the program.

(ii) An assessment of the effectiveness of the pilot program.

(iii) A description of costs associated with the implementation of the pilot program.

(iv) The estimated costs of making the pilot program permanent.

(v) A recommendation as to whether the pilot program should be extended or made permanent.

(vi) Such other recommendations for legislative or administrative action as the
Chief of the National Guard Bureau considers appropriate.

(h) STATE DEFINED.—In this section, the term “State” means each of the several States, the District of Columbia, the Commonwealth of Puerto Rico, American Samoa, Guam, the United States Virgin Islands, and the Commonwealth of the Northern Mariana Islands.

SEC. 725. REPORTS ON SUICIDE AMONG MEMBERS OF THE ARMED FORCES.

(a) REPORTS.—Not later than 90 days after the date of the enactment of this Act, and annually thereafter through January 31, 2021, the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report on suicide among members of the Armed Forces during the year preceding the date of the report.

(b) MATTERS INCLUDED.—Each report under subsection (a) shall include the following with respect to the year covered by the report:

(1) The number of suicides, attempted suicides, and occurrences of suicidal ideation involving a member of the Armed Forces, including the reserve components thereof, listed by Armed Force.
(2) The number of suicides, attempted suicides, or suicidal ideation identified under paragraph (1) that occurred during each of the following periods:

(A) The first 180 days of the member serving in the Armed Forces.

(B) The period in which the member is deployed in support of a contingency operation.

(3) With respect to the number of suicides, attempted suicides, or suicidal ideation identified under paragraph (2)(A), the initial recruit training location of the member.

(4) The number of suicides involving a dependent of a member.

(5) A description of any research collaborations and data sharing by the Department of Defense with the Department of Veterans Affairs, other departments or agencies of the Federal Government, academic institutions, or nongovernmental organizations.

(6) Identification of a research agenda for the Department of Defense to improve the evidence base on effective suicide prevention treatment and risk communication.

(7) A description of the effectiveness of the policies developed pursuant to section 567 of the

(A) metrics identifying effective treatment modalities for members of the Armed Forces who are at risk for suicide (including any clinical interventions involving early identification and treatment of such members);

(B) metrics for the rate of integration of mental health screenings and suicide risk and prevention for members during the delivery of primary care for such members;

(C) metrics relating to the effectiveness of suicide prevention and resilience programs and preventative behavioral health programs of the Department of Defense (including those of the military departments and the Armed Forces);

and

(D) metrics evaluating the training standards for behavioral health care providers to ensure that such providers have received training
SEC. 726. STUDY ON MILITARY-CIVILIAN INTEGRATED HEALTH DELIVERY SYSTEMS.

(a) STUDY.—The Secretary of Defense shall conduct a study on the use of local integrated military-civilian integrated health delivery systems pursuant to section 706 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 1096 note). The study shall examine the following:

(1) Geographic locations where military medical treatment facilities have existing contractual relationships with local civilian health care networks, including Fort Drum, New York, Joint Base McGuire-Dix-Lakehurst, New Jersey, Joint Base Lewis-McCord, Washington, Fort Leonard Wood, Missouri, Elmendorf Air Force Base, Alaska, Fort Sill, Oklahoma, Tripler Army Medical Center, Hawaii, the National Capital Region, and similar locations.

(2) Health care activities that promote value-based care, measurable health outcomes, patient safety, timeliness of referrals, and transparent communication with covered beneficiaries.

(3) Locations where health care providers of the Department of Defense may be able to attain critical
wartime readiness skills in a local integrated military-civilian integrated health delivery system.

(4) The cost of providing care under an integrated military-civilian integrated health delivery system as compared to health care provided by a managed care support contractor.

(b) SUBMISSION.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report on the results of the study under subsection (a).

(c) DEFINITIONS.—In this section:

(1) The term “covered beneficiaries” has the meaning given that term in section 1072 of title 10, United States Code.

(2) The term “National Capital Region” has the meaning given that term in section 2674 of title 10, United States Code.

SEC. 727. STUDY ON CASE MANAGEMENT AT MILITARY MEDICAL TREATMENT FACILITIES.

(a) STUDY.—The Secretary of Defense shall conduct a study on the effectiveness of case management practices at military medical treatment facilities. The study shall include the following:
(1) A standardized definition of case management.

(2) An evaluation of case management practices provided by the military departments before and during the transition of the administration of military medical treatment facilities to the Defense Health Agency pursuant to section 1073c of title 10, United States Code.

(3) A discussion of the metrics involved with determining the effectiveness of case management and the cost of case management.

(4) A review of case management best practices in the private sector, including with respect to—

   (A) the intervals at which patients should be contacted;

   (B) the role of the case manager in coordination;

   (C) the approximate number of patients managed by a case manager; and

   (D) any other best practices relating to case management that would improve the experience of care within the military health system.

(5) The results of a discussion with covered beneficiaries (as defined in section 1072 of title 10, United States Code) in a public forum on case man-
agement in military medical treatment facilities administered by the Defense Health Agency.

(b) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report on the results of the study under subsection (a).

SEC. 728. STUDY ON INFERTILITY AMONG MEMBERS OF THE ARMED FORCES.

(a) STUDY.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and the Senate a study on the incidence of infertility among members of the Armed Forces, including the reserve components thereof.

(b) MATTERS INCLUDED.—The study shall include the following:

(1) The number of members of the Armed Forces serving as of the date of the study who are diagnosed with common causes of infertility, such as polycystic ovary syndrome, pelvic inflammatory disease, uterine fibroids, endometriosis, sexually transmitted disease, testicular disorders, and male endocrine disorders.
(2) The number of members serving as of the date of the study whose infertility has no known cause.

(3) The incidence of miscarriage among women members, listed by Armed Force and military occupation.

(4) A comparison of the rates of infertility and miscarriage in the Armed Forces to such rates in the civilian population, as reported by the Centers for Disease Control and Prevention.

(5) Demographic information of the members described in paragraphs (1), (2), and (3), include with respect to race, ethnicity, sex, age, military occupation, and possible exposures during military service to hazardous elements such as chemical and biologic agents.

(6) An assessment of the ease or delay for members in obtaining treatment for infertility, including in vitro fertilization, including—

(A) the wait times at each military medical treatment facility that has community partnerships to provide in vitro fertilization;

(B) the number of members described in paragraph (1) who are candidates for in vitro fertilization or other infertility treatments but
cannot obtain such treatments because of the location at which the member is stationed or the duties of the member; and

(C) a discussion of the reasons members cease seeking such treatments through the military health system.

(7) Criteria used by the Secretary to determine service connection for infertility, including whether screenings for levels of toxins are undertaken when the cause of infertility cannot be determined.

(8) The policy of the Department of Defense, as of the date of the study, for ensuring geographic stability during treatment of women members undergoing in vitro fertilization for either service-connected or non-service-connected infertility.
TITLE VIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS

Subtitle A—Acquisition Policy and Management

SEC. 801. ESTABLISHMENT OF ACQUISITION PATHWAYS FOR SOFTWARE APPLICATIONS AND SOFTWARE UPGRADES.

(a) GUIDANCE REQUIRED.—Not later than March 1, 2020, the Secretary of Defense shall establish guidance authorizing the use of acquisition pathways described in subsection (b) for the rapid acquisition of software applications and software upgrades that are intended to be fielded within one year. A contract awarded under this section—

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

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

(b) SOFTWARE ACQUISITION PATHWAYS.—The guidance required by subsection (a) shall provide for the use of the following two acquisition pathways:

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

(2) UPDATES.—The upgrades pathway shall
provide for the rapid development and insertion of
software upgrades for embedded weapon systems or
another hardware system solely used by the Depart-
ment of Defense.

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

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

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

(d) EXPEDITED PROCESS.—

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

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

(A) are developed, refined, and prioritized on an iterative basis through continuous participation and collaboration by users, testers, and requirements authorities;

(B) include an identification of the need for, and users of, the software to be acquired and a rationale for how the software will support increased efficiency of the Department of Defense;

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

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

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

(A) an acquisition conducted under the guidance required by subsection (a) is supported by an entity capable of regular automated testing of the source code of the software
to be acquired and that such entity is author-
ized to buy storage, bandwidth, and computing
capability as necessary;

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

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

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

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

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

(ii) the long-term value of the soft-
ware to be acquired to the Department of
Defense, not based on the value of individual lines of source code of the software;

(F) the performance of fielded versions of the software to be acquired are demonstrated and evaluated in an operational environment;

and

(G) performance metrics of the software to be acquired, such as metrics relating to when the software can be fielded, delivery capabilities of the software (including speed of recovery from outages and cybersecurity vulnerabilities), and assessments and estimations of the size and complexity of such software, are automatically generated on a continuous basis and made available to the Department of Defense and the congressional defense committees.

(5) Administration of Software Acquisition Pathways.—The guidance required by subsection (a) may provide for the use of any of the following streamlined procedures:

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

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

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

(D) The project manager shall be author-
ized staff positions for a technical staff, includ-
ing experts in software engineering to enable
the manager to manage the acquisition without
the technical assistance of another organiza-
tional unit of an agency to the maximum extent
practicable.
(E) The project manager shall be authorized, in coordination with the users and testers of the software to be acquired, to make trade-offs among lifecycle costs, requirements, and schedules to meet the goals of the acquisition.

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

(G) The project manager of a defense streamlined acquisition shall be provided a process to expeditiously seek a waiver from Congress from any statutory or regulatory requirement that the project manager determines adds little or no value to the management of the acquisition.

(c) CONTRACT TERMS.—

(1) IN GENERAL.—A contract entered into pursuant to the guidance required by subsection (a)—

(A) may be awarded within a 90-day period after solicitation on the basis of—

(i) statements of qualifications and past performance data submitted by offerors; and
(ii) discussions with two or more qualified offerors without regard to price;

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

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

(D) shall identify the individuals to perform the work of the contract, and such individuals may not be replaced without the advance written consent of the contracting officer; and

(E) may allow for a contractor performing the work of the contract to review existing software in consultation with the user community and incorporate user feedback to—

(i) define and prioritize software requirements; and

(ii) design and implement new software applications and software upgrades.

(2) OPTIONS.—A contract entered into pursuant to the guidance required by subsection (a) may contain an option to extend the contract once, for a period not to exceed one year, to complete the implementation of one or more specified software applications and software upgrades identified during the
period of the initial contract. Such an option may not be in an amount greater than $100,000,000 and—

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

(B) if the option is a fixed-price contract, it shall be treated as a contract for the acquisition of commercial products (as defined in section 103 of title 41, United States Code).

(f) RULE OF CONSTRUCTION.—Nothing in this section shall be deemed to prevent the use of other methods of acquisition to procure software applications and upgrades.

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

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

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

(3) by adding at the end the following new sub-

paragraph:
“(C) an acquisition program for software applications and software upgrades carried out using the acquisition guidance issued pursuant to section 801 of the National Defense Authorization Act for Fiscal Year 2020.”.

SEC. 802. SOFTWARE DEVELOPMENT AND SOFTWARE ACQUISITION TRAINING AND MANAGEMENT PROGRAMS.

(a) Establishment of Software Development and Software Acquisition Training and Management Programs.—

(1) In general.—The Secretary of Defense, acting through the Under Secretary of Defense for Acquisition and Sustainment and in consultation with the Under Secretary of Defense for Research and Engineering and the Chief Information Officer of the Department of Defense, shall establish software development and software acquisition training and management programs for all software acquisition professionals, software developers, and other appropriate individuals, as determined by the Secretary of Defense to earn a certification in software development and software acquisition.

(2) Program contents.—The programs established under paragraph (1) shall—
(A) develop and expand the use of specialized training programs for chief information officers of the military departments and the Defense Agencies, service acquisition executives, program executive officers, and program managers to include training on and experience in—

(i) continuous software development;

and

(ii) acquisition pathways available to acquire software;

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

(i) have demonstrated competency in current software processes;

(ii) have the skills to lead a workforce that can quickly meet challenges, use software tools that prioritize continuous or frequent upgrades as such tools become available, take up opportunities provided by new innovations, and plan software activities in short iterations to learn from risks of software testing; and
(iii) have the experience and training
to delegate technical oversight and execu-
tion decisions; and

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

(b) REPORTS.—

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

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

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

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

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

(B) a description of the requirements for
certification, including the requirements for
competencies in current software processes;
(C) a description of potential career paths in software development and software acquisition within the Department of Defense;

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

(E) any recommendations for changes to existing law to facilitate the implementation of the programs established under subsection (a)(1).

(c) DEFINITIONS.—In this section:

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

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

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

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

SEC. 803. MODIFICATIONS TO COST OR PRICING DATA FOR CERTAIN PROCUREMENTS.

(a) Cost or Pricing Data for Certain Commercial Products.—

(1) IN GENERAL.—Section 2306a(b)(4) of title 10, United States Code, is amended by adding at the end the following new subparagraph:

“(D) If the head of contracting activity determines, based on market research, that a commercial item will be solely procured by the Department of Defense, the offeror of such commercial product shall provide cost or pricing data to the contracting officer pursuant to subsection (a).”.

(2) CONFORMING AMENDMENT.—Effective January 1, 2020, subparagraph (D) of section 2306a(b)(4) of title 10, United States Code, as added by paragraph (1), is amended by striking “commercial item” and inserting “commercial product”.

(b) Data Other Than Certified Cost or Pricing Data for Sole Source Contract Awards.—

(1) In General.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall revise the Defense Supplement to the Federal Acquisition Regulation to require an offeror for a sole source contract, subcontract, or modification of a sole source contract or subcontract, to submit to the contracting officer data other than certified cost or pricing data under section 2306a(d) of title 10, United States Code, for purposes of determining the reasonableness of the price of the contract, subcontract, or modification of the contract or subcontract.

(2) Penalty.—With respect to an offeror that fails to comply with the requirements established under paragraph (1), the Secretary of Defense may—

(A) suspend or debar such offeror; or

(B) include a notation on such offeror in the system used by the Federal Government to monitor or record contractor past performance.

(e) Should-Cost Analysis for Commercial Product Procurements.—The Director of the Defense Contract Management Agency shall identify which com-
mercial products (as defined in section 103 of title 41, United States Code, as in effect on January 1, 2020) should be analyzed under the should-cost review process before the Secretary of Defense enters into a contract to procure such a commercial product.

(d) GUIDELINES AND RESOURCES ON THE ACQUISITION OR LICENSING OF INTELLECTUAL PROPERTY.—Section 2322 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(c) GUIDELINES AND RESOURCES.—

“(1) IN GENERAL.—The Secretary of Defense, acting through the Under Secretary of Defense for Acquisition and Sustainment, shall develop guidelines and resources on the acquisition or licensing of intellectual property, including—

“(A) model forms for specially negotiated licenses described under section 2320(f) (as appropriate); and

“(B) an identification of definitions, key terms, examples, and case studies that resolve ambiguities in the differences between—

“(i) detailed manufacturing and process data;

“(ii) form, fit, and function data; and
“(iii) data required for operations, maintenance, installation, and training.

“(2) CONSULTATION.—In developing the guidelines and resources described in paragraph (1), the Secretary shall regularly consult with appropriate stakeholders, including large and small businesses, traditional and non-traditional contractors (including subcontractors), and maintenance repair organizations.”.

SEC. 804. MODIFICATIONS TO COST OR PRICING DATA ON BELOW-THRESHOLD CONTRACTS.

(a) BELOW-THRESHOLD CIVILIAN CONTRACTS.—

Section 3504 of title 41, United States Code is amended—

(1) by striking “head of the procuring activity” each place it appears and inserting “contracting officer”;

(2) in subsection (b), by striking “or (2)”; and

(3) by striking subsection (c).

(b) BELOW-THRESHOLD DEFENSE CONTRACTS.—

Section 2306a(c) of title 10, United States Code, is amended—

(1) by striking “head of the procuring activity” each place it appears and inserting “contracting officer”;

(2) in paragraph (2), by striking “or (B)”; and
(3) by striking paragraph (3).

SEC. 805. COMPTROLLER GENERAL REPORT ON PRICE REASONABLENESS.

Not later than March 31, 2021, the Comptroller General of the United States shall submit to the congressional defense committees, the Committee on Oversight and Reform of the House of Representatives, and the Committee on Homeland Security and Governmental Affairs of the Senate a report on the efforts of the Secretary of Defense to secure data relating to the price reasonableness of offers from offerors. The report shall include a review of—

(1) the number of, and justification for, any waiver of requirements for submission of certified cost or pricing data for sole source contracts for spare parts issued during fiscal years 2015 through 2019 pursuant to section 2306a(b)(1)(C) of title 10, United States Code;

(2) the number of, and justification for, any exception to the requirements for submission of certified cost or pricing data for sole source contracts for spare parts provided during fiscal years 2015 through 2019 pursuant to section 2306a(b)(1)(B) of title 10, United States Code;

(3) the number of contracts awarded for which a request for cost or pricing data, including data
other than certified cost or pricing data, to determine price reasonableness was denied by an offeror at the time of award;

(4) actions taken by the Secretary if an offeror refused to provide request data described in paragraph (2), including—

(A) whether the contracting officer included a notation in the system used by the Federal Government to monitor or record contractor past performance regarding the refusal of an offeror to provide such data;

(B) any strategies developed by the Secretary to acquire the good that was the subject of a contract for which the offeror refused to provide such data in the future without the need for such a waiver.

SEC. 806. REQUIREMENT THAT CERTAIN SHIP COMPONENTS BE MANUFACTURED IN THE NATIONAL TECHNOLOGY AND INDUSTRIAL BASE.

(a) ADDITIONAL PROCUREMENT LIMITATION.—Section 2534(a) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(6) COMPONENTS FOR AUXILIARY SHIPS.—Subject to subsection (k), the following components:
“(A) Auxiliary equipment, including pumps, for all shipboard services.

“(B) Propulsion system components, including engines, reduction gears, and propellers.

“(C) Shipboard cranes.

“(D) Spreaders for shipboard cranes.”.

(b) IMPLEMENTATION.—Such section is further amended by adding at the end the following new subsection:

“(k) IMPLEMENTATION OF AUXILIARY SHIP COMPONENT LIMITATION.—Subsection (a)(6) applies only with respect to contracts awarded by the Secretary of a military department for new construction of an auxiliary ship after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2020 using funds available for National Defense Sealift Fund programs or Shipbuilding and Conversion, Navy. For purposes of this subsection, the term ‘auxiliary ship’ does not include an icebreaker.”.

SEC. 807. ACQUISITION AND DISPOSAL OF CERTAIN RARE EARTH MATERIALS.

(a) GUIDANCE ON STREAMLINED ACQUISITION OF COVERED RARE EARTH MATERIALS.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Acquisition and
Sustainment, in consultation with the Under Secretary of Defense (Comptroller), the Vice Chairman of the Joint Chiefs of Staff, and the appropriate Under Secretary of State designated by the Secretary of State shall establish guidance to—

(A) enable the acquisition of items containing rare earth materials; and

(B) establish a secure supply chain for rare earth materials from sources within the United States and covered foreign sources.

(2) CONTENTS.—The guidance required by paragraph (1) shall encourage the use of rare earth materials mined, refined, processed, melted, or sintered in the United States and include—

(A) a determination of when best value contracting methods should be used to ensure the viability of a rare earth material supplier;

(B) a guide to the applicability of relevant statutes, including sections 2533b and 2533c of title 10, United States Code, and other statutory or regulatory restrictions to defense contracts and subcontracts;

(C) information on current sources within the United States and covered foreign sources of rare earth materials along with commonly
used commercial documentation and review processes;

(D) directives on budgeting and expending funds for the qualification and certification of suppliers of rare earth materials within the United States to meet national security needs; and

(E) any exceptions to the Joint Capabilities Integration and Development System Manual and Department of Defense Directive 5000.01.

(3) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Acquisition and Sustainment, in consultation with the appropriate Under Secretary of State designated by the Secretary of State, shall submit to the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate a report on—

(A) the guidance required by paragraph (1); and

(B) the efforts of the Secretary of Defense to create and maintain secure supply chain for
rare earth materials from sources within the United States and covered foreign sources.

(4) DEFINITIONS.—In this subsection:

(A) COVERED FOREIGN SOURCE.—The term “covered foreign source” means a source located in a foreign country that is not an adversary of the United States, as determined by the Secretary of Defense.

(B) RARE EARTH MATERIAL.—The term “rare earth material” means a concentrate, oxide, carbonate, fluoride, metal, alloy, magnet, or finished product whose chemical, magnetic, or nuclear properties are largely defined by the presence of—

(i) yttrium;

(ii) scandium; or

(iii) any lanthanide series element.

(b) AUTHORITY TO DISPOSE OF AND ACQUIRE MATERIALS FOR THE NATIONAL DEFENSE STOCKPILE.—

(1) DISPOSAL AUTHORITY.—Pursuant to section 5(b) of the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98d(b)), the National Defense Stockpile Manager shall dispose of 3,000,000 pounds of tungsten ores and concentrates contained in the National Defense Stockpile (in ad-
dition to any amount previously authorized for disposal).

(2) ACQUISITION AUTHORITY.—

(A) AUTHORITY.—Using funds available in the National Defense Stockpile Transaction Fund, the National Defense Stockpile Manager may acquire the following materials determined to be strategic and critical materials required to meet the defense, industrial, and essential civilian needs of the United States:

(i) Aerospace-grade rayon.

(ii) Electrolytic manganese metal.

(iii) Pitch-based carbon fiber.

(iv) Rare earth cerium compounds.

(v) Rare earth lanthanum compounds.

(B) AMOUNT OF AUTHORITY.—The National Defense Stockpile Manager may use up to $37,420,000 in the National Defense Stockpile Transaction Fund for acquisition of the materials specified in subsection (b).

(C) FISCAL YEAR LIMITATION.—The authority under subsection (b) is available for purchases during fiscal year 2020 through fiscal year 2024.

(c) NATIONAL DEFENSE STOCKPILE SALES.—
(1) SENSE OF CONGRESS.—It is the sense of Congress that tantalum should be designated as a strategic and critical material under the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98 et seq.), required to meet the defense, industrial, and essential civilian needs of the United States.

(2) NATIONAL DEFENSE STOCKPILE SALES OF TANTALUM.—Section 2533c(d)(1) of title 10, United States code, is amended—

(A) in subparagraph (C), by striking “and” at the end;

(B) in subparagraph (D), by striking the period at the end and inserting “; and”; and

(C) adding at the end the following new subparagraph:

“(E) tantalum.”.

(3) PROHIBITION ON SALES OF MATERIALS.—Section 2533c(a)(2) of title 10, United States Code, is amended by striking “covered” before “material”.

SEC. 808. PROHIBITION ON ACQUISITION OF TANTALUM FROM NON-ALLIED FOREIGN NATIONS.

Subsection (d)(1) of section 2533c of title 10, United States Code, is amended—

(1) in subparagraph (C), by striking “and” at the end;
(2) in subparagraph (D), by striking the period at the end and inserting “; and”; and

(3) by adding at the end the following new subparagraph:

“(E) tantalum.”.

SEC. 809. APPLICATION OF MISCELLANEOUS TECHNOLOGY BASE POLICIES AND PROGRAMS TO THE CO-
LUMBIA-CLASS SUBMARINE PROGRAM.

Notwithstanding subchapter V of chapter 148 of title 10, United States Code (except for sections 2534, 2533a, and 2533b of such title), for a period of one year beginning on the date of the enactment of this Act, the milestone decision authority (as defined in section 2366a of title 10, United States Code) for the Columbia-class submarine program shall ensure that such program maintains the schedule approved under the Milestone B approval (as defined in such section).

SEC. 810. APPLICATION OF LIMITATION ON PROCUREMENT OF GOODS OTHER THAN UNITED STATES GOODS TO THE FFG–FRIGATE PROGRAM.

Notwithstanding any other provision of law, amounts authorized to carry out the FFG–Frigate Program may be used to award a new contract that provides for the acquisition of the following components regardless of wheth-
er those components are manufactured in the United States:

(1) Auxiliary equipment (including pumps) for shipboard services.

(2) Propulsion equipment (including engines, reduction gears, and propellers).

(3) Shipboard cranes.

(4) Spreaders for shipboard cranes.

SEC. 811. CONSIDERATION OF PRICE IN PROCUREMENT OF THE FFG(X) FRIGATE.

In evaluating proposals for a contract to procure a FFG(X) frigate, the Secretary of the Navy shall ensure price is a critical evaluation factor set forth in the request for proposal (solicitation number N0002419R2300) for the procurement of the frigate.

SEC. 812. REPEAL OF CONTINUATION OF DATA RIGHTS DURING CHALLENGES.


(b) Restoration of Amended Provision.—Subsection (i) of section 2321 of title 10, United States Code, is amended to read as follows:
“(i) **Rights and Liability Upon Final Disposition.**—(1) If, upon final disposition, the contracting officer’s challenge to the use or release restriction is sustained—

“(A) the restriction shall be cancelled; and

“(B) if the asserted restriction is found not to be substantially justified, the contractor or subcontractor asserting the restriction shall be liable to the United States for payment of the cost to the United States of reviewing the asserted restriction and the fees and other expenses (as defined in section 2412(d)(2)(A) of title 28) incurred by the United States in challenging the asserted restriction, unless special circumstances would make such payment unjust.

“(2) If, upon final disposition, the contracting officer’s challenge to the use or release restriction is not sustained—

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

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

SEC. 813. REPEAL OF AUTHORITY TO WAIVE ACQUISITION LAWS TO ACQUIRE VITAL NATIONAL SECURITY CAPABILITIES.

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

SEC. 814. REPEAL OF TRANSFER OF FUNDS RELATED TO COST OVERRUNS AND COST UNDERRUNS.

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

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

(1) by repealing subsection (b); and

(2) by striking “(a) IN GENERAL.—”.

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

SEC. 821. MODIFICATIONS TO THE MIDDLE TIER OF ACQUISITION PROGRAMS.

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

“(e) Access to Technical Data, Records, and Information.—The Secretary of Defense shall 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 technological maturity, operational effectiveness, and operational suitability of products and technologies proposed to be acquired under the guidance required by subsection (a).”.

(b) Dollar Threshold for Acquisition Programs.—Subsection (a) of such section is amended—

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

“(1) In General.—Not later than”;

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

“(A) with an eventual total expenditure for research, development, test, and evaluation or

an eventual total expenditure for procurement
that is less than those expenditures described in
section 2430(a)(1)(B) of this title; and

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

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

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

SEC. 822. BRIEFING RELATING TO THE “MIDDLE TIER” OF
ACQUISITION PROGRAMS.

(a) IN GENERAL.—Not later than December 1, 2019,
the Secretary of Defense shall provide a briefing to the
congressional defense committees on lessons learned and
best practices identified through the use of the “middle
tier” of acquisition programs described under section 804
of the National Defense Authorization Act for Fiscal Year
2016 (Public Law 114–92; 10 U.S.C. 2302 note). The
briefing shall be accompanied by a written analysis—

(1) identifying which lessons learned can be ap-
plied to—

(A) “middle tier” acquisition programs;

and
(B) any major defense acquisition program
(as defined under section 2430 of title 10,
United States Code);
(2) describing the extent to which covered risk
should be a factor in determining which acquisition
authority to use, including—
(A) an acquisition pathway as described
under subsection (b) of section 804 of the Na-
tional Defense Authorization Act for Fiscal
Year 2016 (Public Law 114–92; 10 U.S.C.
2302 note);
(B) the authority described under section
2371b of title 10, United States Code;
(C) acquisition authority relating to urgent
operational needs;
(D) a traditional acquisition process; or
(E) any other acquisition authority, as de-
termined by the Secretary;
(3) describing whether any requirements appli-
cable to major defense acquisition programs should
be applicable to “middle tier” acquisition programs
under such section; and
(4) recommending amendments or revisions (as
applicable) to law or regulation, and including avail-
able data to support such recommendations.
(b) COVERED RISK DEFINED.—In this section, the term “covered risk” shall have the meaning given by the Secretary of Defense, and shall include a consideration of cost, schedule, performance, risk to operational success.

SEC. 823. RATES FOR PROGRESS PAYMENTS OR PERFORMANCE-BASED PAYMENTS.

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

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

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

(c) NOTICE OF REVISION TO RATES FOR PROGRESS PAYMENTS OR PERFORMANCE-BASED PAYMENTS.—
(1) TO CONGRESS.—The Secretary of Defense may not issue rules to revise the rate for progress payments or the rate for performance-based payments unless the Secretary provides the congressional defense committees with a notice of determination of need for such revision. This notice shall include—

(A) a justification, including the data and analysis supporting the justification, for the revision; and

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

(2) PUBLICATION.—The Secretary shall publish the notice required by paragraph (1) in the Federal Register not later than five business days after providing such notice to the congressional defense committees.

SEC. 824. ADDITIONAL REQUIREMENTS FOR NEGOTIATIONS FOR NONCOMMERCIAL COMPUTER SOFTWARE.

Section 2322a of title 10, United States Code, is amended by adding at the end the following new subsections:
“(c) Rights to Noncommercial Computer Software.—As part of any negotiation for the acquisition of noncommercial computer software, the Secretary of Defense may not require a contractor to sell or otherwise relinquish to the Federal Government any rights to noncommercial computer software developed exclusively at private expense, except for rights related to—

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

“(2) such software or related materials for such software that is otherwise publicly available or that has been released or disclosed by the contractor or subcontractor without restrictions on further use, release, or disclosure, other than a release or disclosure resulting from the sale, transfer, or other assignment of interest in such software or related materials to another party;

“(3) such software or related materials for such software obtained with unlimited rights under another contract with the Federal Government or as a result of such a negotiation; or

“(4) such software or related materials for such software furnished to the Department of Defense under a contract or subcontract that includes—
“(A) restricted rights in such software, limited rights in technical data, or government purpose rights, where such restricted rights, limited rights, or government purpose rights have expired; or

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

“(d) CONSIDERATION OF SPECIALY NEGOTIATED LICENSES.—The Secretary of Defense shall, to the maximum extent practicable, negotiate and enter into a contract with a contractor for a specially negotiated license for noncommercial computer software or related materials for such software necessary to support the product support strategy of a major weapon system or subsystem of a major weapon system.”.

SEC. 825. RESPONSIBILITY FOR DATA ANALYSIS AND REQUIREMENTS VALIDATION FOR SERVICES CONTRACTS.

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

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

(2) in subsection (b), in the matter preceding paragraph (1), by inserting “, acting through the Under Secretary of Defense (Comptroller) and Director of Cost Assessment and Program Evaluation,” after “Secretary of Defense”; and 

(3) in subsection (c)(2)(A), by inserting “, acting through the Under Secretary of Defense (Comptroller) and Director of Cost Assessment and Program Evaluation,” after “Secretary of Defense”.

SEC. 826. ANNUAL REPORTS ON AUTHORITY TO CARRY OUT CERTAIN PROTOTYPE PROJECTS.

(a) In General.—Section 2371b of title 10, United States Code, is amended by adding at the end the following new subsections:

“(i) Data Collection and Use.—(1) The service acquisition executive of each military department shall collect data on the use of the authority under this section by the applicable military department, and the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Acquisition and Sustainment shall collect data on all other use of such authority by the Department of Defense, including use by the Defense Agencies.
“(2) The Under Secretary of Defense for Acquisition and Sustainment shall—

“(A) maintain a database of information collected under this section, which shall be made accessible to any official designated by the Secretary of Defense; and

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

“(j) REPORT.—(1) Not later than December 31, 2019, and each December 31 thereafter the Secretary of Defense shall annually submit to the congressional defense committees a report covering the preceding fiscal year on the use of the authority under this section. Each report shall summarize the data collected under subsection (i) on the nature and extent of each such use of the authority, including a description—

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

“(B) of the quantity of prototype projects to be produced pursuant to such an agreement, follow-on contract, or transaction;
“(C) of the amount of payments made pursuant to each such agreement, follow-on contract, or transaction;

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

“(E) including case examples, of the successes and challenges with using the authority of subsection (a) or (f).

“(2) A report required under this subsection shall be submitted in unclassified form without any designation relating to dissemination control, but may contain a classified annex.”.


SEC. 827. COMPETITION REQUIREMENTS FOR PURCHASES FROM FEDERAL PRISON INDUSTRIES.

(a) Competition Requirements for Purchases From Federal Prison Industries.—Subsections (a) and (b) of section 2410n of title 10, United States Code, are amended to read as follows:

“(a) Market Research.—Before purchasing a product listed in the latest edition of the Federal Prison
Industries catalog published under section 4124(d) of title 18, the Secretary of Defense shall conduct market research to determine whether such product—

“(1) is comparable to products available from the private sector; and

“(2) best meets the needs of the Department of Defense in terms of price, quality, and time of delivery.

“(b) COMPETITION REQUIREMENT.—If the Secretary determines that a Federal Prison Industries product is not comparable to products available from the private sector and does not best meet the needs of the Department of Defense in terms of price, quality, or time of delivery, the Secretary shall use competitive procedures or make an individual purchase under a multiple award contract for the procurement of the product. In conducting such a competition or making such a purchase, the Secretary shall consider a timely offer from Federal Prison Industries.”.

(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall take effect 60 days after the date of the enactment of this Act.

SEC. 828. ENHANCED POST-AWARD DEBRIEFING RIGHTS.

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

SEC. 829. STANDARDIZING DATA COLLECTION AND REPORTING ON USE OF SOURCE SELECTION PROCEDURES BY FEDERAL AGENCIES.

(a) REPEAL OF GOVERNMENT ACCOUNTABILITY OFFICE REPORTING REQUIREMENTS ON USE OF LOWEST PRICE TECHNICALLY ACCEPTABLE SOURCE SELECTION CRITERIA.—

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

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

(b) REVISION TO THE FEDERAL PROCUREMENT DATA SYSTEM.—Not later than 180 days after the date of the enactment of this Act, the Administrator of General Services, in coordination with the Administrator for Federal Procurement Policy, shall direct appropriate revisions to the Federal procurement data system established pur-
suant to section 1122(a)(4) of title 41, United States Code (or any successor system), to facilitate the collection of complete, timely, and reliable data on the source selection processes used by Federal agencies for the contract actions being reported in the system. The Administrator of General Services shall ensure that data is collected—

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

(2) on all applicable contracting actions, including task orders or delivery orders issued under indefinite delivery-indefinite quantity contracts.

SEC. 830. MODIFICATION OF JUSTIFICATION AND APPROVAL REQUIREMENT FOR CERTAIN DEPARTMENT OF DEFENSE CONTRACTS.

(a) MODIFICATION OF JUSTIFICATION AND APPROVAL REQUIREMENT.—Notwithstanding section 811 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2405)—

(1) no justification and approval is required under such section for a sole-source contract awarded by the Department of Defense in a covered procurement for an amount not exceeding $100,000,000; and
(2) for purposes of subsections (a)(2) and (e)(3)(A) of such section, the appropriate official designated to approve the justification for a sole-source contract awarded by the Department of Defense in a covered procurement exceeding $100,000,000 is the official designated in section 2304(f)(1)(B)(ii) of title 10, United States Code.

(b) GUIDANCE.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall issue guidance to implement the authority under subsection (a).

(c) COMPTROLLER GENERAL REVIEW.—

(1) DATA TRACKING AND COLLECTION.—The Department of Defense shall track the use of the authority provided pursuant to subsection (a) and make the data available to the Comptroller General for purposes of the report required under paragraph (2).

(2) REPORT.—Not later than February 1, 2022, the Comptroller General of the United States shall submit a report to the congressional defense committees on the use of the authority provided pursuant to subsection (a) through the end of fiscal year 2021.
Subtitle C—Provisions Relating to Acquisition Workforce

SEC. 841. DEFENSE ACQUISITION WORKFORCE CERTIFICATION AND EDUCATION REQUIREMENTS.

(a) Professional Certification Requirement.—

(1) Professional certification required for all acquisition workforce personnel.—

Section 1701a of title 10, United States Code, is amended—

(A) by redesignating subsections (c) and (d) as subsections (d) and (e), respectively; and

(B) by inserting after subsection (b) the following new subsection:

“(c) Professional Certification.—(1) In General.—The Secretary of Defense shall implement a certification program to provide for a professional certification requirement for all members of the acquisition workforce. Except as provided in paragraph (2), the certification requirement for any career field of the acquisition workforce shall be based on nationally or internationally recognized standards developed by a third-party entity.

“(2) Requirements for Secretary.—If the Secretary determines that, for a particular acquisition work-
force career field, the third-party entity described in paragraph (1) does not meet the needs of the Department, the Secretary shall establish the professional certification requirement for that career field that conforms with nationally or internationally recognized standards. The Secretary shall determine the best approach to implement such requirement for that career field, including implementation through entities outside the Department of Defense and may be designed and implemented without regard to section 1746 of this title.”.

(2) Certification Renewal.—Paragraph (3) of section 1723(a) of such title is amended by striking the second sentence.

(3) Participation in Professional Associations.—Section 1701a(b) of such title is amended—

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

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

“(6) authorize a member of the acquisition workforce to participate in professional associations, consistent with the performance plan of such member, if such participation provides the member with
the opportunity to gain leadership and management
skills;”.

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

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

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

(A) in subsection (a)(3)—

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

(ii) by striking “, and (B)” and all

that follows through “and management”;

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

(C) in subsection (e)—

(i) in paragraph (1)—

(I) by striking “requirements in

subparagraphs (A) and (B) of sub-
section (a)(3)” and inserting “requirement of subsection (a)(3)”; and

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

(ii) in paragraph (2)—

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

(II) by striking “; or” and inserting a period; and

(III) by striking subparagraph (B); and

(D) in subsection (f), by striking “, including—” and all that follows and inserting a period.

(2) Selection criteria and procedures.—Section 1732 of such title is amended—

(A) in subsection (b)(1)—

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

(ii) by striking subparagraph (B); and
(iii) by redesignating clauses (i) and (ii) as subparagraphs (A) and (B), respectively, and conforming the margins accordingly;

(B) in subsection (e), by striking “requirements of subsections (b)(1)(A) and (b)(1)(B)” in paragraphs (1) and (2) and inserting “requirement of subsection (b)(1)”; and

(C) in subsection (d)—

(i) by striking “(1) Except as provided in paragraph (2),”; and

(ii) by striking paragraph (2).

(e) Defense Acquisition University Curriculum Development.—Section 1746(e) of title 10, United States Code, is amended by inserting “, and with commercial providers of training,” after “military departments”.

(d) Career Paths.—

(1) Career path required for each acquisition workforce career field.—Paragraph (4) of section 1701a(b) of title 10, United States Code, is amended to read as follows:

“(4) develop and implement a career path, as described in section 1722(a) of this title, for each career field designated by the Secretary under sec-
tion 1721(a) of this title as an acquisition workforce career field;”.

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

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

and

(B) by striking “are identified” and inserting “is identified for each acquisition workforce career field”.

(3) DEADLINE FOR IMPLEMENTATION OF CAREER PATHS.—The Secretary of Defense shall carry out the requirements of paragraph (4) of section 1701a(b) of title 10, United States Code (as amended by paragraph (1)), not later than the end of the two-year period beginning on the date of the enactment of this Act.

(e) CAREER FIELDS.—

(1) DESIGNATION OF ACQUISITION WORKFORCE CAREER FIELDS.—Section 1721(a) of such title is amended by adding at the end the following new sentence: “The Secretary shall also designate in regulations those career fields in the Department of Defense that are acquisition workforce career fields for purposes of this chapter.”.
(2) CLERICAL AMENDMENTS.—(A) The heading of such section is amended to read as follows:

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

(B) The item relating to such section in the table of sections at the beginning of subchapter II of chapter 87 of such title is amended to read as follows:

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

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

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

(B) The item relating to such subchapter in the table of subchapters at the beginning of such chapter is amended to read as follows:

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

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

(f) KEY WORK EXPERIENCES.—
(1) Development of Key Work Experiences for Each Acquisition Workforce Career Field.—Section 1722b of such title is amended by adding at the end the following new subsection:

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

(2) Plan for Implementation of Key Work Experiences.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a plan identifying the specific actions the Department of Defense has taken, and is planning to take, to develop and establish key work experiences for each acquisition workforce career field as required by subsection (c) of section 1722b of title 10, United States Code, as added by paragraph (1). The plan shall include specification of the percentage of the acquisition workforce, or funds available for administration of the acquisition workforce on an annual basis, that the Secretary will dedicate towards developing such key work experiences.

(g) Applicability of Career Path Requirements to All Members of Acquisition Work-
FORCE.—Section 1723(b) of such title is amended by striking “the critical acquisition-related”.

(h) COMPETENCY DEVELOPMENT.—

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

“§ 1765. Competency development

“(a) IN GENERAL.—For each acquisition workforce career field, the Secretary of Defense shall establish, for the civilian personnel in that career field, defined proficiency standards and technical and nontechnical competencies which shall be used in personnel qualification assessments.

“(b) NEGOTIATIONS.—Any action taken by the Secretary under this section, or to implement this section, shall not be subject to the requirements of chapter 71 of title 5.”.

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

“1765. Competency development.”.

(2) DEADLINE FOR IMPLEMENTATION.—The Secretary of Defense shall carry out the requirements of section 1765 of title 10, United States Code (as added by paragraph (1)), not later than
the end of the two-year period beginning on the date
of the enactment of this Act.

(i) Termination of Defense Acquisition Corps.—

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

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

(A) by striking subsection (a); and

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

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

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

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

(4) Subsection (e) of section 1732 of such title
is transferred to the end of section 1733 of such
title, as amended by paragraphs (2) and (3), redes-
ignated as subsection (e), and amended—
(A) by striking “in the Acquisition Corps” in paragraphs (1) and (2) and inserting “in critical acquisition positions”; and

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

(5) Sections 1731 and 1732 of such title are repealed.

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

(B) The table of sections at the beginning of subchapter III of chapter 87 of such title is amended by striking the items relating to sections 1731, 1732, and 1733 and inserting the following new item:

“1731. Critical acquisition positions.”.

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

“SUBCHAPTER III—CRITICAL ACQUISITION POSITIONS”.

(B) The item relating to such subchapter in the table of subchapters at the beginning of such chapter is amended to read as follows:

“III. Critical Acquisition Positions .......................................................... 1731”.

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

(9) Section 1734 of such title is amended by striking paragraphs (1) and (2) and inserting paragraph (1):

“(1) The Secretary of Defense shall be responsible for the effective management of the critical acquisition positions described in section 1731 of this title.”.
(9) Section 1725 of such title is amended—
(A) in subsection (a)(1), by striking “Defense Acquisition Corps” and inserting “acquisition workforce”; and
(B) in subsection (d)(2), by striking “of the Defense Acquisition Corps” and inserting “in the acquisition workforce serving in critical acquisition positions”.

(10) Section 1734 of such title is amended—
(A) by striking “of the Acquisition Corps” in subsections (e)(1) and (h) and inserting “of the acquisition workforce”; and
(B) in subsection (g)—
(i) by striking “of the Acquisition Corps” in the first sentence and inserting “of the acquisition workforce”; 
(ii) by striking “of the Corps” and inserting “of the acquisition workforce”; and
(iii) by striking “of the Acquisition Corps” in the second sentence and inserting “of the acquisition workforce in critical acquisition positions”.

(11) Section 1737 of such title is amended—
(A) in subsection (a)(1), by striking “of the Acquisition Corps” and inserting “of the acquisition workforce”; and

(B) in subsection (b), by striking “of the Corps” and inserting “of the acquisition workforce”.

(12) Section 1742(a)(1) of such title is amended by striking “the Acquisition Corps” and inserting “acquisition positions in the Department of Defense”.

(13) Section 2228(a)(4) of such title is amended by striking “under section 1733(b)(1)(C) of this title” and inserting “under section 1731 of this title”.

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

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

(16) Section 9016(b)(4)(B) of such title is amended by striking “under section 1733 of this
title” and inserting “under section 1731 of this title”.

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

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

(j) Designation of Foreign Military Sales as Acquisition Position.—Section 1721(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(13) Foreign military sales.”.

SEC. 842. PUBLIC-PRIVATE EXCHANGE PROGRAM FOR THE ACQUISITION WORKFORCE.

(a) Public-Private Exchange Program for the Acquisition Workforce.—

(1) In general.—Subchapter IV of chapter 87 of title 10, United States Code, is amended by adding at the end the following new section:

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

“(a) Assignment Authority.—(1) The Secretary may, by rule, establish a program to be known as the Public-Private Exchange Program for the Acquisition
Workforce’ to temporarily assign a member of the acquisition workforce to a private-sector organization or an employee of a private-sector organization to the Department of Defense if—

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

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

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

“(A) Civilians in any of grades GS–12 through GS–15 under the General Schedule or, for employees participating in the demonstration project under section 1762 of this title, the equivalent.

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

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

“(b) AGREEMENTS.—(1) An agreement entered into under this section shall include the following:
“(A) The terms and conditions of a temporary assignment.

“(B) In the case of an agreement for the temporary assignment of a member of the acquisition workforce, a requirement that the member of the acquisition workforce, upon completion of the temporary assignment, will—

“(i) if a member of the armed forces, serve in the armed forces for a period equal to twice the length of the temporary assignment (in addition to any other period of obligated service); or

“(ii) if a civilian, serve in the Department of Defense, or elsewhere in the civil service if approved by the Secretary, for a period equal to twice the length of the temporary assignment.

“(C) A provision that if the individual to be temporarily assigned fails to carry out the agreement, such individual shall be liable to the United States for payment of all expenses of the assignment, unless that failure was for good and sufficient reason, as determined by the Secretary of Defense.

“(D) In the case of an agreement for the temporary assignment of a member of the acquisition workforce, language ensuring that such member of
the acquisition workforce does not improperly use pre-decisional or draft deliberative information that such member may be privy to or aware of related to Department programing, budgeting, resourcing, acquisition, or procurement for the benefit or advantage of the private-sector organization.

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

“(3) The Secretary may waive, in whole or in part, collection of a debt described in paragraph (2) based on a determination that the collection would be against equity and good conscience and not in the best interests of the United States, after taking into account any indication of fraud, misrepresentation, fault, or lack of good faith on the part of the individual who is liable for the debt.

“(c) TERMINATION.—An assignment under this section may, at any time and for any reason, be terminated by the Department of Defense or the private-sector organization concerned.

“(d) DURATION.—(1) Except as provided in paragraph (2), an assignment under this section shall be for a period of not more than two years, renewable up to a total of four years.
“(2) An assignment under this section may be for a period in excess of two years, but not more than four years, if the Secretary determines that such assignment is necessary to meet critical mission or program requirements.

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

“(e) Status of Individuals Assigned to Private-Sector Organizations.—(1) A member of the acquisition workforce who is assigned to a private-sector organization under this section shall be considered, during the period of assignment, to be on detail to a regular duty or work assignment, as applicable, in the Department for all purposes.

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

“(A) shall address the specific terms and conditions related to the civilian member’s continued status as a Federal employee; and

“(B) in the case of an assignment of nine months or longer, shall provide that, if the civilian member successfully completes the assignment (as determined by the Secretary), the civilian member
shall be eligible for consideration for placement in a new position under programs of the Department of Defense providing priority placement to certain employees.

“(3) With respect to an assignment of a member of the acquisition workforce under this section, the Secretary—

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

“(B) shall ensure that the normal duties and functions of the civilian member of the acquisition workforce described in subparagraph (A) can be reasonably performed by other personnel of the Department of Defense without the permanent transfer or permanent reassignment of other personnel of the Department of Defense, including members of the armed forces;

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

“(D) shall certify that the temporary assignment of the acquisition workforce member will not have an adverse or negative impact on mission attainment, warfighter support, or organizational capabilities associated with the assignment.

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

“(1) shall continue to receive pay and benefits from the private-sector organization from which such employee is assigned and shall not receive pay or benefits from the Department of Defense, except as provided in paragraph (2);

“(2) is deemed to be an employee of the Department of Defense for the purposes of—

“(A) chapters 73 and 81 of title 5;

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

“(C) sections 1343, 1344, and 1349(b) of title 31;
“(D) the Federal Tort Claims Act and any other Federal tort liability statute;
“(E) the Ethics in Government Act of 1978; and
“(F) chapter 21 of title 41;
“(3) shall not have access to any trade secrets or to any other nonpublic information which is of commercial value to the private-sector organization from which such employee is assigned;
“(4) may perform work that is considered inherently governmental in nature only when requested in writing by the Secretary of Defense; and
“(5) may not be used to circumvent the provision of section 2461 of this title nor to circumvent any limitation or restriction on the size of the Department’s workforce.
“(g) Prohibition Against Charging Certain Costs to the Federal Government.—A private-sector organization may not charge the Department or any other agency of the Federal Government, as direct or indirect costs under a Federal contract, the costs of pay or benefits paid by the organization to an employee assigned to a Department organization under this section for the period of the assignment.
“(h) Consideration of Training Needs for Members of the Acquisition Workforce.—In carrying out this section, the Secretary of Defense shall take into consideration how assignments under this section might best be used to help meet the needs of the Department of Defense with respect to the training of members of the acquisition workforce.

“(i) Funding; Use of Defense Acquisition Workforce Development Fund.—Funds for the expenses for the program established under this section shall be provided from amounts in the Department of Defense Acquisition Workforce Development Fund. Expenses for the program include—

“(1) notwithstanding section 1705(e)(5) of this title, the base salary of a civilian member of the acquisition workforce assigned to a private-sector organization under this section, during the period of that assignment;

“(2) expenses relating to assignment under this section of a member of the acquisition workforce away from the member’s regular duty station, including expenses for travel, per diem, and lodging; and

“(3) expenses for the administration of the program.”.
(2) Clerical Amendment.—The table of sections at the beginning of such subchapter is amended by adding at the end the following new item:

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

(b) Use of Defense Acquisition Workforce Development Fund.—Section 1705(e)(1) of such title is amended by adding at the end the following new sub-paragraph:

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

(c) Acquisition Workforce Employees Excluded From Public-Private Talent Exchange.—

(1) In General.—Section 1599g of such title is amended by adding at the end the following new subsection:

“(i) Acquisition Workforce Employees.—An employee of the Department of Defense who is eligible for the Public-Private Exchange Program for the Acquisition Workforce under section 1749 of this title is not eligible for an assignment under this section.”.

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

SEC. 843. INCENTIVES AND CONSIDERATION FOR QUALI-
FIED TRAINING PROGRAMS.

(a) IN GENERAL.—

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

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

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

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

offeror.

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

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

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

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

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

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

“2409a. Incentives and consideration for qualified training programs.”.
SEC. 844. CERTIFICATION BY PROSPECTIVE MILITARY CONSTRUCTION CONTRACTORS OF GOOD FAITH EFFORT TO UTILIZE QUALIFIED APPRENTICES.

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

“§ 2870. Utilization of qualified apprentices by military construction contractors

“(a) CERTIFICATION REQUIRED.—(1) The Secretary of Defense shall require each prospective contractor on a military construction project to certify to the Secretary that, if awarded a contract for the project, the prospective contractor will make a good faith effort to meet or exceed the apprenticeship employment goal on such project.

“(2) If a prospective contractor fails to certify as required by paragraph (1), the Secretary may not determine such prospective contractor to be a responsible contractor.

“(b) APPRENTICESHIP EMPLOYMENT GOAL.—

“(1) IN GENERAL.—In this section, the term ‘apprenticeship employment goal’ means the utilization of qualified apprentices as not less than 20 percent of the total workforce employed in an apprenticeable occupation (as determined by the Secretary of Labor).
“(2) Q UALIFIED APPRENTICE.—In paragraph 1
(1), the term ‘qualified apprentice’ means an em-
employee participating in an apprenticeship program 2
that is registered with—
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“(A) the Office of Apprenticeship of the
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Employment Training Administration of the
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Department of Labor pursuant to the Act of
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August 16, 1937 (popularly known as the ‘Na-
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tional Apprenticeship Act’; 29 U.S.C. 50 et
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seq.); or
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“(B) a State apprenticeship agency recog-
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nized by such Office of Apprenticeship pursuant
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to such Act.
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“(c) CONSIDERATION OF APPRENTICESHIP EMPLOY-
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MENT GOAL.—The Secretary of Defense shall revise the
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Defense Supplement to the Federal Acquisition Regu-
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includes an analysis of whether the contractor has made
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employment goal, including consideration of actual utiliza-
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the past performance rating of such contractor.
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“(d) I NCENTIVES.—The Secretary of Defense shall
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develop incentives for prospective contractors on military
construction projects to meet or exceed the apprenticeship employment goal.”.

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

“2870. Utilization of qualified apprentices by military construction contractors.”.

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

Subtitle D—Provisions Relating to Acquisition Security

SEC. 851. SUPPLY CHAIN SECURITY OF CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT.

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

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

(2) covered equipment and services acquired or to be acquired for the Department; and
(3) systems of covered contractors to ensure the security of the supply chains of such covered contractor.

(b) PURPOSE.—The assessment described in subsection (a) shall include—

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

(2) an identification of and suggestions for guidance on the process of debarment and suspension (including debarment and suspension for non-procurement programs and activities) of covered contractors to address supply chain risks relating to acquisitions for the Department of Defense, including acquisitions involving other executive agencies; and

(3) an identification of steps that could be taken to address situations identified under paragraphs (1) and (2) through the Interagency Suspension and Debarment Committee established under Executive Order 12549 (51 Fed. Reg. 6370).
(c) Actions Following Assessment.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall, based on the results of the assessment required by subsection (a)—

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

(A) requirements for training personnel;

(B) the process for making sourcing decisions;

(C) with respect to a procurement of telecommunications equipment or video surveillance equipment, assurances relating to the traceability of parts of such equipment;

(D) the process for reporting suspect covered equipment and services; and

(E) corrective actions for the acquisition of suspect covered equipment and services (including actions to recover costs as described in subsection (d)(2));

(2) issue or revise guidance to ensure that remedial actions, including debarment or suspension, are taken with respect to a covered contractor who
has failed to detect and avoid suspect covered equipment and services or otherwise failed to exercise due diligence in the detection and avoidance of such suspect covered equipment and services;

(3) establish a process for ensuring that a Department of Defense employee provide a written report to the appropriate Government authorities and the Government-Industry Data Exchange Program (or a similar program designated by the Secretary) not later than 60 days after such an employee becomes aware, or has reason to suspect that—

(A) any end item, component, part, or material contained in supplies purchased by or for the Department contains suspect covered equipment and services; or

(B) a covered contractor has provided suspect covered equipment and services; and

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

(d) REGULATIONS.—

(1) IN GENERAL.—Not later than 270 days after the date of the enactment of this Act, the Secretary shall revise the Department of Defense Sup-
plement to the Federal Acquisition Regulation to address the detection and avoidance of suspect covered equipment and services.

(2) CONTRACTOR RESPONSIBILITIES.—The revised regulations issued pursuant to paragraph (1) shall provide that—

(A) covered contractors who supply covered equipment or services are responsible for detecting and avoiding the use or inclusion of suspect covered equipment or services and for any contract modification or corrective action that may be required to remedy the use or inclusion of such suspect covered equipment or services; and

(B) the cost of suspect covered equipment or services and the cost of contract modification or corrective action that may be required to remedy the use or inclusion of such suspect covered equipment or services are not allowable costs under defense contracts, unless—

(i) the covered contractor has an operational system to detect and avoid suspect covered equipment or services that has been reviewed and approved by the Secretary pursuant to subsection (e)(2)(B);
(ii) suspect covered equipment or services were provided to the covered contractor as Government property in accordance with part 45 of the Federal Acquisition Regulation or were obtained by the covered contractor in accordance with regulations described in paragraph (3); and

(iii) the covered contractor discovers the suspect covered equipment or services and provides timely notice to the Government pursuant to paragraph (4).

(3) REQUIREMENTS FOR SUPPLIERS.—The revised regulations issued pursuant to paragraph (1) shall—

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

(i) from the original manufacturers of the equipment or their authorized dealers, or from suppliers that meet requirements of subparagraph (C) or (D) and, with respect to suppliers of telecommunications equipment or video surveillance equipment, that obtain such equipment exclusively from the original manufacturers of the
parts of such equipment or their authorized dealers; and

(ii) that are not in production or currently available in stock from suppliers that meet requirements of subparagraph (C) or (D);

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

(C) establish qualification requirements, consistent with the requirements of section 2319 of title 10, United States Code, pursuant to which the Secretary may identify suppliers that have appropriate policies and procedures in place to detect and avoid suspect covered equipment and services; and

(D) authorize covered contractors to identify and use suppliers that meet qualification requirements, provided that—

(i) the standards and processes for identifying such suppliers comply with established industry standards; and
(ii) the selection of such suppliers is subject to review, audit, and approval by appropriate Department of Defense officials.

(4) REPORTING REQUIREMENT.—The revised regulations issued pursuant to paragraph (1) shall require that any covered contractor provide a written report to the appropriate Government authorities and the Government-Industry Data Exchange Program (or a similar program designated by the Secretary) not later than 60 days after such covered contractor becomes aware, or has reason to suspect that—

(A) any end item, component, part, or material contained in supplies purchased by or for the Department contains suspect covered equipment and services; or

(B) a supplier of a covered contractor has provided suspect covered equipment and services.

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

(1) IN GENERAL.—Not later than 270 days after the date of the enactment of this Act, the Sec-
retary shall implement a program to enhance the detection and avoidance of the acquisition of suspect covered equipment and services by covered contractors.

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

(A) require covered contractors to establish policies and procedures to eliminate suspect covered equipment and services from the defense supply chain, which policies and procedures shall address—

(i) the training of personnel; and

(ii) with respect to a procurement of telecommunications equipment or video surveillance equipment, the inspection and testing of related materials and mechanisms to enable traceability of parts of such equipment; and

(B) establish processes for the review and approval of contractor systems for the detection and avoidance of the acquisition of suspect covered equipment and services by covered contractors, which processes shall be comparable to the processes established for contractor business systems under section 893 of the Ike Skelton

(f) Rule of Construction.—Nothing in this section shall be construed to prohibit the Secretary from entering into a contract with a covered contractor to provide a service that connects to the facilities of a third party, such as backhaul, roaming, or interconnection arrangements.

(g) Report to Congress.—Not later than 180 days after completing the assessment required under subsection (a), the Secretary shall submit to the congressional defense committees a report on the results of the assessment and the actions taken following the assessment pursuant to subsection (c).

(h) Definitions.—In this section:

(1) Covered equipment and services.—The term “covered equipment and services” means telecommunications equipment, telecommunications services, video surveillance equipment, and video surveillance services manufactured or controlled by an entity for which the principal place of business of such entity is located in foreign country that is an adversary of the United States, but does not include telecommunications equipment or video surveillance...
equipment (other than optical transmission components) that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(2) COVERED CONTRACTOR.—The term “covered contractor” means a contractor or subcontractor (at any tier) that supplies covered equipment and services to the Department of Defense.

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

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

(5) SUSPECT COVERED EQUIPMENT AND SERVICES.—The term “suspect covered equipment and services” means covered equipment and services that is from any source, or that is a covered article, subject to an exclusion order or removal order under section 1323(c) of title 41, United States Code.

SEC. 852. ASSURED SECURITY AGAINST INTRUSION ON UNITED STATES MILITARY NETWORKS.

(a) PROHIBITION.—Except as provided in subsections (b) and (c), the Secretary of Defense shall only award contracts for the procurement of telecommunications services or the installation of telecommunications infrastructure on
national security installations on territories of the United States located in the Pacific Ocean to allowed contractors.

(b) EXCEPTION.—Subsection (a) shall not apply to contracts the procurement of telecommunications services or the installation of telecommunications infrastructure if such telecommunications services or telecommunications infrastructure does not process or carry any information about the operations of the Armed Forces of the United States or otherwise concern the national security of the United States.

c) WAIVER.—The Secretary of Defense may waive the restriction of subsection (a) upon a written determination that such a waiver is in the national security interests of the United States and either—

(1) a contractor that is not an allowed contractor would not have the ability to track, record, listen, or otherwise access data or voice communications of the Department of Defense through the provision of the telecommunications service; or

(2) a qualified allowed contractor is not available to perform the contract at a fair and reasonable price.

d) DEFINITIONS.—In this section:

(1) ALLOWED CONTRACTOR.—The term “allowed contractor” means—
(A) an entity that is 100 percent owned by persons located in the United States that has submitted an offer for a contract let by the Department of Defense; or

(B) an entity that—

(i) is 100 percent owned by persons located in the United States or in a covered foreign country that has submitted an offer for a contract let by the Department of Defense; and

(ii) does not have significant connections, including major equipment purchases, ownership interests, or joint ventures, with any entity identified in subsection (f)(3) of section 889 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232; 132 Stat. 1918; 41 U.S.C. 3901 note)

(2) COVERED FOREIGN COUNTRY.—The term “covered foreign country” means a foreign country the government of which permits allowed contractors to compete on a fair basis for contracts for the procurement of telecommunications services or the installation of telecommunications infrastructure let by the government of such foreign country.
National Security Installation.—The term “national security installation” means any facility operated by the Department of Defense.

Telecommunications Service.—The term “telecommunications service” has the meaning given in section 3 of the Communications Act of 1934 (47 U.S.C. 153).

Telecommunications Infrastructure.—The term “telecommunications infrastructure” means any wire or switching facilities used to provide telecommunications services.

Sec. 853. Revised Authorities to Defeat Adversary Efforts to Compromise United States Defense Capabilities.

(a) Sense of Congress.—Congress finds that to comprehensively address the supply chain vulnerabilities of the Department of Defense, defense contractors must be incentivized to prioritize security in a manner which exceeds basic compliance with mitigation practices relating to cybersecurity risk and supply chain security standards. Defense contractors can no longer pass unknown risks on to the Department of Defense but should be provided with the tools to meet the needs of the Department with respect to cybersecurity risk and supply chain security. Incentives for defense contractors will help stimulate efforts within...
the defense industrial base to minimize vulnerabilities in hardware, software, and supply chain services. The Department of Defense must develop policies and regulations that move security from a cost that defense contractors seek to minimize to a key consideration in the award of contracts, equal in importance to cost, schedule, and performance.

(b) Inclusion of Security as Primary Purpose for the Department of Defense Acquisition.—

(1) In general.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall the revise the statement of purpose in the Defense Federal Acquisition Regulation Supplement added by section 801(3) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1449; U.S.C. 2302 note) to include the security of goods acquired by the Department of Defense as one of the primary objectives of Department of Defense acquisition. The Secretary shall revise applicable Department of Defense Instructions, regulations, and directives to implement the inclusion of security as a primary purpose of Department of Defense acquisition.
(2) **Congressional notification.**—The Secretary shall submit to the congressional defense committees—

(A) not later than 60 days before issuing the revisions described in paragraph (1), the proposed revisions; and

(B) not later than 180 days after the date of the enactment of this Act, recommendations for legislative action to implement the revisions described in this subsection.

(c) **Certification of Risk.**—

(1) **In general.**—Before making a milestone decision with respect to a major defense acquisition program (as defined under section 2430 of title 10, United States Code), a major automated information system, or major system (as defined under section 2302d of title 10, United States Code), the vice chief of the Armed Force concerned shall issue a written assessment to the Vice Chief of the Joint Chiefs of Staff and the head of the Defense Acquisition Board stating the determination made by the vice chief of the armed force concerned of the risk to the supply chain associated with the procurement. Such assessment shall include—
(A) a description of actions taken to mitigate potential vulnerabilities associated with the procurement; and

(B) a certification from the Secretary of the military department concerned or the Vice Chief of the Joint Chief of Staff (as appropriate) that the procurement will not interfere with the operations of the military department conducting the procurement.

(2) Availability to the Congressional Defense Committees.—Upon request, the vice chief of the Armed Force concerned shall make available to the congressional defense committees a certification required under paragraph (1), along with the data on which such certification is based, not later than 15 days after the submission of a request.

(d) Disputes Relating to Acquisitions Decisions.—The Under Secretary of Defense for Intelligence, the Vice Chairman of the Joint Chiefs of Staff, the Vice Chief of Staff of the Army, the Vice Chief of Naval Operations, the Vice Chief of Staff of the Air Force, and the Assistant Commandant of the Marine Corps shall each have the authority to submit to the Secretary of Defense a written statement of dispute relating to a decision made by the Defense Acquisition Board with respect to an ac-
quisition. A dispute submitted under this subsection shall include any reason why the decision fails to effectively address concerns regarding the item to be acquired.

SEC. 854. PROHIBITION ON OPERATION OR PROCUREMENT OF FOREIGN-MADE UNMANNED AIRCRAFT SYSTEMS.

(a) Prohibition on agency operation or procurement.—The Secretary of Defense may not operate or enter into or renew a contract for the procurement of—

(1) a covered unmanned aircraft system that—

(A) is manufactured in a covered foreign country or by an entity domiciled in a covered foreign country;

(B) uses flight controllers, radios, data transmission devices, cameras, or gimbals manufactured in a covered foreign country or by an entity domiciled in a covered foreign country;

(C) uses a ground control system or operating software developed in a covered foreign country or by an entity domiciled in a covered foreign country; or

(D) uses network connectivity or data storage located in or administered by an entity domiciled in a covered foreign country; or
(2) a system manufactured in a covered foreign country or by an entity domiciled in a covered foreign country for the detection or identification of covered unmanned aircraft systems.

(b) EXEMPTION.—The Secretary of Defense is exempt from the restriction under subsection (a) if the operation or procurement is for the purposes of—

(1) Counter-UAS surrogate testing and training; or

(2) intelligence, electronic warfare, and information warfare operations, testing, analysis, and training.

(c) WAIVER.—The Secretary of Defense may waive the restriction under subsection (a) on a case by case basis by certifying in writing to the congressional defense committees that the operation or procurement is required in the national interest of the United States.

(d) DEFINITIONS.—In this section:

(1) COVERED FOREIGN COUNTRY.—The term “covered foreign country” means a country labeled as a strategic competitor in the “Summary of the 2018 National Defense Strategy of the United States of America: Sharpening the American Military’s Competitive Edge” issued by the Department
of Defense pursuant to section 113 of title 10, United States Code.

(2) COVERED UNMANNED AIRCRAFT SYSTEM.— The term “covered unmanned aircraft system” means an unmanned aircraft system and any related services and equipment.

SEC. 855. SUPPLY CHAIN RISK MITIGATION POLICIES TO BE IMPLEMENTED THROUGH REQUIREMENTS GENERATION PROCESS.

(a) PROCESS FOR ENHANCED SUPPLY CHAIN SCRUTINY.—Section 807(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1456; 10 U.S.C. 2302 note) is amended—

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

(2) by inserting after paragraph (4) the following new paragraph:

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

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


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

**Subtitle E—Provisions Relating to the Acquisition System**

**SEC. 861. Modifications to the Defense Acquisition System.**

(a) **Guidance, Reports, and Limitation on the Availability of Funds Relating to Covered Defense Business Systems.**—

(1) **Amendments to guidance for covered defense business systems.**—Section 2222(d) of title 10, United States Code, is amended—

(A) in the matter preceding paragraph (1), by striking “subsection (c)(1)” and inserting “subsection (c)”;

(B) by adding at the end the following new paragraphs:

“(7) Policy to ensure a covered defense business system is in compliance with the Department’s auditability requirements.
“(8) Policy to ensure approvals required for the
development of a covered defense business system.”.

(2) REPORTS.—

(A) GUIDANCE.—The Secretary of Defense
shall submit to the congressional defense com-
mittees (as defined in section 101(a)(16) of title
10, United States Code) a report—

(i) not later than December 31, 2019,
that includes the guidance required under
paragraph (1) of section 2222(c) of title
10, United States Code; and

(ii) not later than March 31, 2020,
that includes the guidance required under
paragraph (2) of such section.

(B) INFORMATION TECHNOLOGY ENTER-
PRISE ARCHITECTURE.—Not later than Decem-
ber 31, 2019, the Chief Information Officer of
the Department of Defense shall submit to the
congressional defense committees the informa-
tion technology enterprise architecture de-
veloped under section 2222(e)(4)(B) of title 10,
United States Code, which shall include the
plan for improving the information technology
and computing infrastructure described in such
section and a schedule for implementing the plan.

(C) DEFENSE BUSINESS ENTERPRISE ARCHITECTURE.—Not later than March 31, 2020, the Chief Management Officer of the Department of Defense and the Chief Information Officer of the Department of Defense shall jointly submit to the congressional defense committees a plan and schedule for integrating the defense business enterprise architecture developed under subsection (e) of section 2222 of title 10, United States Code, into the information technology enterprise architecture, as required under paragraph (4)(A) of such subsection.

(3) LIMITATION.—

(A) Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Department of Defense, not more than 75 percent may be obligated or expended for the Office of the Secretary of Defense after December 31, 2019, until the date on which the Secretary of Defense submits the report required under subsection (b)(1)(A).
(B) Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Department of Defense, not more than 75 percent may be obligated or expended for the Office of the Deputy Chief Management Officer, the Office of the Under Secretary of Defense for Acquisition and Sustainment, the Office of the Chief Information Officer, and the Office of the Chief Management Officer after March 31, 2020, until the date on which the Secretary of Defense submits the report required under subsection (b)(1)(B).

(C) Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Department of Defense, not more than 75 percent may be obligated or expended for the Office of the Chief Information Officer after December 31, 2019, until the date on which the Secretary of Defense submits the report required under subsection (b)(2).

(D) Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Department of Defense, not more than 75 percent may be obli-
gated or expended for the Office of the Chief Management Officer and the Office of the Chief Information Officer after March 31, 2020, until the date on which the Secretary of Defense submits the report required under subsection (b)(3).

(b) PILOT PROGRAM ON DATA RIGHTS AS AN EVALUATION FACTOR.—

(1) PILOT PROGRAM.—Not later than February 1, 2020, the Secretary of Defense and the Secretaries of the military departments shall jointly carry out a pilot program to assess mechanisms to evaluate intellectual property to include technical data deliverables, associated license rights, and commercially available intellectual property valuation analysis and techniques in major defense acquisition programs (as defined in section 2430 of title 10, United States Code) selected pursuant to subsection (b) to ensure—

(A) the development of cost-effective intellectual property strategies; and

(B) assessment and management of the value and costs of intellectual property during acquisition and sustainment activities through-
out the life cycle of a weapon system for each
selected major defense acquisition program.

(2) **Selection of Major Defense Acquisition Programs.**—Each Secretary of a military de-
partment shall select one major defense acquisition
program for which such Secretary has responsibility
to include in the pilot program established under
subsection (a).

(3) **Cadre of Intellectual Property Experts.**—At Milestone A and Milestone B for each
major defense acquisition program selected pursuant
to subsection (b), the cadre of intellectual property
experts established under section 2322(b) of title 10,
United States Code, shall identify, to the maximum
extent practicable, intellectual property evaluation
techniques to obtain quantitative and qualitative
analysis related to the value of intellectual property
rights during the procurement, production, deploy-
ment, operations, and support phases of the acquisi-
tion of each such major defense acquisition program.

(4) **Activities.**—The pilot program established
under this section shall include the following:

(A) Assessment of commercial valuation
techniques for intellectual property rights for
use by the Department of Defense.
(B) Assessment of feasibility of oversight by the Secretary of Defense to standardize practices and procedures.

(C) Assessment of contracting mechanisms to increase the speed of delivery of intellectual property to the Armed Forces or to reduce sustainment costs.

(D) Assessment of acquisition planning necessary to ensure procurement of intellectual property deliverables and intellectual property rights necessary for Government-planned sustainment activities.

(E) Engagement with private-sector entities to—

(i) support the development of strategies and program requirements to aid in acquisition and transition planning for intellectual property;

(ii) support the development and improvement of intellectual property strategies as part of life-cycle sustainment plans and valuation techniques for the costs of intellectual property rights as part of life-cycle costs; and
(iii) propose and implement alternative and innovative methods of intellectual property valuation, prioritization, and evaluation techniques for intellectual property.

(F) Recommendations to the program manager for a major defense acquisition program selected pursuant to subsection (b) such evaluation techniques and contracting mechanisms for implementation into the acquisition and sustainment activities of that major defense acquisition program.

(5) Assessment.—Not later than February 1, 2021, and annually thereafter until the termination date of the pilot program, the Secretary of Defense shall submit to the congressional defense committees a report on the pilot program established under subsection (a). The report shall include—

(A) a description of the major defense acquisition programs selected pursuant to subsection (b);

(B) a description of the specific activities in subsection (d) that were performed with respect to each major defense acquisition program selected pursuant to subsection (b);
(C) an assessment of the effectiveness of such activities;

(D) an assessment of improvements to acquisition or sustainment activities related to the pilot program; and

(E) an assessment of cost savings from the activities related to the pilot program, including any improvement to mission success during the operations and support phase of a major defense acquisition program selected pursuant to subsection (b).

(6) TERMINATION.—The authority to carry out the pilot program under this section shall expire on September 30, 2026.

(c) REPORT AND LIMITATION ON AVAILABILITY OF FUNDS RELATING TO MODULAR OPEN SYSTEM APPROACH FOR MAJOR DEFENSE ACQUISITION PROGRAMS.—

(1) STUDY GUIDANCE FOR ANALYSES OF ALTERNATIVES FOR MAJOR DEFENSE ACQUISITION PROGRAMS.—

(A) REPORT.—Not later than December 31, 2019, the Secretary of Defense, acting through the Director of Cost Assessment and Performance Evaluation, shall submit to the
congressional defense committees a report that
includes the study guidance required under sec-
tion 2446b(b) of title 10, United States Code.

(B) LIMITATION.—Of the funds authorized
to be appropriated by this Act or otherwise
made available for fiscal year 2020 for the De-
partment of Defense, not more than 75 percent
may be obligated or expended for the Office of
the Director of Cost Assessment and Perform-
ance Evaluation after December 31, 2019, until
the date on which the Secretary of Defense sub-
mits the report required under paragraph (1).

(2) POLICY RELATING TO AVAILABILITY OF
MAJOR SYSTEM INTERFACES AND SUPPORT FOR
MODULAR OPEN SYSTEM APPROACH.—

(A) IN GENERAL.—Section 2446e of title
10, United States Code, is amended—

(i) in the matter preceding paragraph
(1), by striking “shall—” and inserting
“develop policy on the support for the ac-
quision for modular open system ap-
proaches. This policy shall—”; and

(ii) in subsection (a)(1), as so des-
ignated, by striking “coordinate” and in-
serting “ensure coordination”.


(B) REPORT.—Not later than December 31, 2019, the Secretary of each military department shall submit to the congressional defense committees a report that includes the policy required under section 2446c of title 10, United States Code, as amended by paragraph (1).

(C) LIMITATION.—Beginning on January 1, 2020, if any report required under paragraph (2) has not been submitted to the congressional defense committees, not more than 75 percent of the funds specified in paragraph (4) may be obligated or expended until the date on which all of the reports required under paragraph (2) have been submitted.

(D) FUNDS SPECIFIED.—The funds specified in this paragraph are funds made available for fiscal year 2020 for the Department of Defense for any of the Offices of the Secretaries of the military departments that remain unobligated as of January 1, 2020.

(d) REPORT ON INTELLECTUAL PROPERTY POLICY AND THE CADRE OF INTELLECTUAL PROPERTY EXPERTS.—

(1) IN GENERAL.—Section 802 of the National Defense Authorization Act for Fiscal Year 2018
(Public Law 115–91; 131 Stat. 1450) is amended by adding at the end the following new subsection:

“(c) REPORT.—Not later than October 1, 2019, the Secretary of Defense, acting through the Under Secretary of Defense for Acquisition and Sustainment, shall submit to the congressional defense committees a report that includes—

“(1) the policy required in subsection (a) of section 2322 of title 10, United States Code;

“(2) an identification of each member of the cadre of intellectual property experts required in subsection (b) of such section and the office to which such member; and

“(3) a description of the leadership structure and the office that will manage the cadre of intellectual property experts.”.

(2) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Department of Defense, not more than 75 percent may be obligated or expended for the Defense Acquisition Workforce Development Fund until the date on which the Secretary of Defense submits the report required under subsection (c) of section 802 of the National Defense Authorization Act for Fiscal Year 2018 (Pub-
lic Law 115–91; 131 Stat. 1450), as added by this section.

(e) LIMITATION ON AVAILABILITY OF FUNDS FOR THE OFFICE OF THE CHIEF MANAGEMENT OFFICER OF THE DEPARTMENT OF DEFENSE.—Of the funds authorized to be appropriated or otherwise made available for fiscal year 2020 for the Department of Defense, not more than 75 percent may be obligated or expended for the Office of the Chief Management Officer until the date on which the Chief Management Officer submits to the congressional defense committees—

(1) the certification of cost savings described in subparagraph (A) of section 921(b)(5) of the National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. 2222 note); or

(2) the notice and justification described in subparagraph (B) of such section.

(f) REPORT AND LIMITATION ON THE AVAILABILITY OF FUNDS RELATING TO THE “MIDDLE TIER” OF ACQUISITION PROGRAMS.—

(1) REPORT.—Not later than December 15, 2019, the Under Secretary of Defense for Acquisition and Sustainment shall submit to the congressional defense committees a report that includes the

The Under Secretary of Defense for Acquisition and Sustainment will ensure such guidance includes the business case elements required by an acquisition program established pursuant to such guidance and the metrics required to assess the performance of such a program.

(2) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Department of Defense, not more than 75 percent may be obligated or expended for an acquisition program established pursuant to the guidance required under section 804(a) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2302 note) after December 15, 2019, and no such acquisition program may be conducted under the authority provided by such section after December 15, 2019, until the Under Secretary of Defense for Acquisition and Sustainment submits the report required under subsection (a).

(g) DEFENSE ACQUISITION WORKFORCE CERTIFICATION AND EDUCATION REQUIREMENTS.—
(1) **Professional Certification Requirement.**—

(A) **Professional Certification Required for All Acquisition Workforce Personnel.**—Section 1701a of title 10, United States Code, is amended—

(i) by redesignating subsections (c) and (d) as subsections (d) and (e), respectively; and

(ii) by inserting after subsection (b) the following new subsection (e):

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“(c) **Professional Certification.**—

“(1) The Secretary of Defense shall implement a certification program to provide for a professional certification requirement for all members of the acquisition workforce. Except as provided in paragraph (2), the certification requirement for any acquisition workforce career field shall be based on standards under a third-party accredited program based on nationally or internationally recognized standards.

“(2) If the Secretary determines that, for a particular acquisition workforce career field, a third-party accredited program based on nationally or internationally recognized standards does not exist, the Secretary shall establish the certification require-
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ment for that career field that conforms with the practices of national or international accrediting bodies. The certification requirement for any such career field shall be implemented using the best approach determined by the Secretary for meeting the certification requirement for that career field, including implementation through entities outside the Department of Defense and may be designed and implemented without regard to section 1746 of this title.”.

(B) Performance Management.—Subsection (b) of such section is amended—

(i) in paragraph (5), by striking “encourage” and inserting “direct”; and

(ii) in paragraph (6), by inserting “and consequences” after “warnings”.

(C) Participation in Professional Associations.—Subsection (b) of such section is further amended—

(i) by redesignating paragraphs (6), (7), (8), and (9) as paragraphs (7), (8), (9), and (10), respectively; and

(ii) by inserting after paragraph (5) the following new paragraph (6):
“(6) authorize members of the acquisition workforce to participate in professional associations, consistent with their individual performance plans, linked to both professional development and opportunities to gain leadership and management skills;”.

(D) General education, training, and experience requirements.—Section 1723 of such title is amended—

(i) in subsection (a)(3), by striking the second sentence; and

(ii) in subsection (b)(1), by striking “encourage” and inserting “require”.

(E) Effective date.—The Secretary of Defense shall implement procedures to institute the program required by subsection (c) of section 1701a of title 10, United States Code, as added by paragraph (1), not later than 180 days after the date of the enactment of this Act.

(2) Elimination of statutory requirement for completion of 24 semester credit hours.—

(A) Qualification requirements for contracting positions.—Section 1724 of title 10, United States Code, is amended—
(i) in subsection (a)(3)—

   (I) by striking “(A)” after “(3)”;

   and

   (II) by striking “, and (B)” and

   all that follows through “and manage-

   ment”; and

(ii) in subsection (b), by striking “re-

quirements” in the first sentences of para-

graphs (1) and (2) and inserting “require-

ment”; 

(iii) in subsection (e)(2)—

   (I) by striking “shall have—”

   and all that follows through “been

   awarded” and inserting “shall have

   been awarded”;

   (II) by striking “; or” and insert-

   ing a period; and

   (III) by striking subparagraph

   (B); and

(iv) in subsection (f), by striking “,

   including—” and all that follows and in-

   serting a period.

(B) SELECTION CRITERIA AND PROCE-

DURES.—Section 1732 of such title is amend-

ed—
(i) in subsection (b)(1)—

(I) by striking “Such require-
ments,” and all the follows through
“the person—” and inserting “Such
requirements shall include a require-
ment that the person—”;

(II) by striking subparagraph
(B); and

(III) by redesignating clauses (i)
and (ii) as subparagraphs (A) and
(B), respectively, and realigning those
subparagraphs so as to be 4 ems from
the margin; and

(ii) in subsection (e), by striking “re-
quirements of subsections (b)(1)(A) and
(b)(1)(B)” in paragraphs (1) and (2) and
inserting “requirement of subsection
(b)(1)”.

(3) DEFENSE ACQUISITION UNIVERSITY.—Sec-
tion 1746 of title 10, United States Code, is amend-
ed—

(A) in subsection (b)(1), by adding at the
end the following new sentence: “At least 25
percent of such civilian instructors shall be vis-
iting professors from civilian colleges or universities.”; and

(B) in subsection (c), by inserting “, and

with commercial training providers,” after

“military departments”.

(h) ENHANCING DEFENSE ACQUISITION WORKFORCE CAREER FIELDS.—

(1) CAREER PATHS.—

(A) CAREER PATH REQUIRED FOR EACH

ACQUISITION WORKFORCE CAREER FIELD.—

Paragraph (4) of section 1701a(b) of title 10,

United States Code, is amended to read as fol-

lows:

“(4) develop and implement a career path, as
described in section 1722(a) of this title, for each
career field designated by the Secretary under sec-
tion 1721(a) of this title as an acquisition workforce
career field;”.

(B) CONFORMING AMENDMENTS.—Section

1722(a) of such title is amended—

(i) by striking “appropriate career
paths” and inserting “an appropriate ca-
reer path”; and
(ii) by striking “are identified” and inserting “is identified for each acquisition workforce career field”.

(C) DEADLINE FOR IMPLEMENTATION OF CAREER PATHS.—The implementation of a career path for each acquisition workforce career field required by paragraph (4) of section 1701a(b) of title 10, United States Code (as amended by paragraph (1)), shall be completed by the Secretary of Defense not later than the end of the two-year period beginning on the date of the enactment of this Act.

(2) CAREER FIELDS.—

(A) DESIGNATION OF ACQUISITION WORKFORCE CAREER FIELDS.—Section 1721(a) of such title is amended by adding at the end the following new sentence: “The Secretary shall also designate in regulations those career fields in the Department of Defense that are acquisition workforce career fields for purposes of this chapter.”.

(B) CLERICAL AMENDMENTS.—(i) The heading of such section is amended to read as follows:
§ 1721. Designation of acquisition positions and acquisition workforce career fields.

(ii) The item relating to such section in the table of sections at the beginning of subchapter II of chapter 87 of such title is amended to read as follows:

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

(C)(i) The heading of subchapter II of chapter 87 of such title is amended to read as follows:

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

(ii) The item relating to such subchapter in the table of subchapters at the beginning of such chapter is amended to read as follows:

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

(D) DEADLINE FOR DESIGNATION OF CAREER FIELDS.—The designation of acquisition workforce career fields required by the second sentence of section 1721(a) of title 10, United States Code (as added by paragraph (1)), shall be made by the Secretary of Defense not later than the end of the six-month period beginning on the date of the enactment of this Act.

(3) KEY WORK EXPERIENCES.—
(A) **Development of Key Work Experiences for Each Acquisition Workforce Career Field.**—Section 1722b of such title is amended by adding at the end the following new subsection:

“(c) Key Work Experiences.—In carrying out subsection (b)(2), the Secretary shall ensure that key work experiences, in the form of multidiscipline training, are developed for each acquisition workforce career field.”.

(B) **Plan for Implementation of Key Work Experiences.**—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a plan identifying the specific actions the Department of Defense has taken, and is planning to take, to develop and establish key work experiences for each acquisition workforce career field as required by subsection (c) of section 1722b of title 10, United States Code, as added by paragraph (1). The plan shall include specification of the percentage of the acquisition workforce, or funds available for administration of the acquisition workforce on an annual basis, that the Sec-
retary will dedicate towards developing such key work experiences.

(4) **Applicability of career path requirements to all members of acquisition workforce.**—Section 1723(b) of such title is amended by striking “the critical acquisition-related”.

(5) **Competency development.**—

(A) **In general.**—(i) Subchapter V of chapter 87 of such title is amended by adding at the end the following new section:

“§ 1765. Competency development

“(a) **In general.**—For each acquisition workforce career field, the Secretary of Defense shall establish, for the civilian personnel in that career field, defined proficiency standards and technical and nontechnical competencies which shall be used in personnel qualification assessments.

“(b) **Negotiations.**—Any action taken by the Secretary under this section, or to implement this section, shall not be subject to the requirements of chapter 71 of title 5.”.

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

“1765. Competency development.”.
(B) Deadline for Implementation.—

The establishment of defined proficiency standards and technical and nontechnical competencies required by section 1765 of title 10, United States Code (as added by paragraph (1)), shall be made by the Secretary of Defense not later than the end of the two-year period beginning on the date of the enactment of this Act.

(6) Termination of Defense Acquisition Corps.—

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

(B) Section 1733 of title 10, United States Code, is amended—

(i) by striking subsection (a); and

(ii) by redesignating subsection (b) as subsection (a).

(C) Subsection (b) of section 1731 of such title is transferred to the end of section 1733 of such title, as amended by paragraph (2), and amended—
(i) by striking “ACQUISITION CORPS” in the heading and inserting “THE ACQUISITION WORKFORCE”; and

(ii) by striking “selected for the Acquisition Corps” and inserting “in the acquisition workforce”.

(D) Subsection (e) of section 1732 of such title is transferred to the end of section 1733 of such title, as amended by paragraphs (2) and (3), redesignated as subsection (e), and amended—

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

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

(E) Sections 1731 and 1732 of such title are repealed.

(F)(i) Section 1733 of such title, as amended by paragraphs (2), (3), and (4), is redesignated as section 1731.

(ii) The table of sections at the beginning of subchapter III of chapter 87 of such title is
amended by striking the items relating to sections 1731, 1732, and 1733 and inserting the following new item:

“1731. Critical acquisition positions.”

(G)(i) The heading of subchapter III of chapter 87 of such title is amended to read as follows:

“SUBCHAPTER III—CRITICAL ACQUISITION POSITIONS”.

(ii) The item relating to such subchapter in the table of subchapters at the beginning of such chapter is amended to read as follows:

“III. Critical Acquisition Positions .......................................................... 1731”.

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

(I) Section 1725 of such title is amended—

(i) in subsection (a)(1), by striking “Defense Acquisition Corps” and inserting “acquisition workforce”; and

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

(J) Section 1734 of such title is amended—
(i) by striking “of the Acquisition Corps” in subsections (e)(1) and (h) and inserting “of the acquisition workforce”; and

(ii) in subsection (g)—

(I) by striking “of the Acquisition Corps” in the first sentence and inserting “of the acquisition workforce”;

(II) by striking “of the Corps” and inserting “of the acquisition workforce”; and

(III) by striking “of the Acquisition Corps” in the second sentence and inserting “of the acquisition workforce in critical acquisition positions”.

(K) Section 1737 of such title is amended—

(i) in subsection (a)(1), by striking “of the Acquisition Corps” and inserting “of the acquisition workforce”; and

(ii) in subsection (b), by striking “of the Corps” and inserting “of the acquisition workforce”.
(L) Section 1742(a)(1) of such title is amended by striking “the Acquisition Corps” and inserting “acquisition positions in the Department of Defense”.

(M) Section 2228(a)(4) of such title is amended by striking “under section 1733(b)(1)(C) of this title” and inserting “under section 1731 of this title”.

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

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

(P) Section 9016(b)(4)(B) of such title is amended by striking “under section 1733 of this title” and inserting “under section 1731 of this title”.

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

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

(i) **ESTABLISHMENT OF DEFENSE CIVILIAN ACQUISITION TRAINING CORPS.**—

(1) **IN GENERAL.**—Part III of subtitle A of title 10, United States Code, is amended by inserting after chapter 112 the following new chapter:

“**CHAPTER 113—DEFENSE CIVILIAN ACQUISITION TRAINING CORPS**

**§ 2200n. Establishment.**

“For the purposes of preparing selected students for public service in Department of Defense occupations relating to acquisition, science, and engineering, the Secretary of Defense shall establish and maintain a Defense Civilian Acquisition Training Corps program, organized into one or more units, at civilian institutions of higher education offering a program leading to a baccalaureate degree.

**§ 2200o. Program elements.**

“In establishing the program, the Secretary of Defense shall determine the following:

“(1) Criteria for an institution of higher education to participate in the program.
“(2) The eligibility of a student to join the program.

“(3) Criteria required for a member of the program to receive financial assistance.

“(4) The term of service required for a member of the program to receive financial assistance.

“(5) Criteria required for a member of the program to be released from a term of service.

“(6) The method by which a successful graduate of the program may gain immediate employment in the Department of Defense.

“(7) Resources required for implementation of the program.

“(8) A methodology to identify and target critical skills gaps in Department of Defense occupations relating to acquisition, science, and engineering.

“(9) A mechanism to track the success of the program in eliminating the identified critical skills gap.

“§2200p. Model authorities

“In making determinations under section 2200o of this title, the Secretary of Defense shall use the authorities under chapters 103 and 111 of this title as guides.
§ 2200q. Definitions

In this chapter:

(1) The term ‘program’ means the Defense Civilian Acquisition Training Corps of the Department of Defense.

(2) The term ‘member of the program’ means a student at an institution of higher learning who is enrolled in the program.

(3) The term ‘institution of higher education’ has the meaning given that term in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001).”.

(2) IMPLEMENTATION TIMELINE.—

(A) INITIAL IMPLEMENTATION.—Not later than December 31, 2019, the Secretary of Defense shall submit to the congressional defense committees a plan and schedule that implements the program at one institution of higher learning not later than August 1, 2020. The plan shall include recommendations regarding any legislative changes required for effective implementation of the program.

(B) EXPANSION.—Not later than December 31, 2020, the Secretary of Defense shall submit to the congressional defense committees an expansion plan and schedule to expand the
program to five locations not later than by August 1, 2021.

(C) **Full Implementation.**—Not later than December 31, 2021, the Secretary of Defense shall submit to the congressional defense committees a full implementation plan and schedule to expand the program to at least 20 locations with not fewer than 400 members in the program not later than August 1, 2022.

(j) **Clarifying the Roles and Responsibilities of the Under Secretary of Defense for Acquisition and Sustainment and the Under Secretary of Defense for Research and Engineering.**—The laws of the United States are amended as follows:

(1) Section 129a(c)(3) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(2) Section 133a(b)(2) of title 10, United States Code, is amended by striking “, including the allocation of resources for defense research and engineering,”.

(3) Section 134(c) of title 10, United States Code, is amended by striking “Under Secretary of
Defense for Acquisition, Technology, and Logistics,”
and inserting “Under Secretary of Defense for Ac-
quisition and Sustainment, the Under Secretary of
Defense for Research and Engineering.”

(4) Section 139(b) of title 10, United States
Code, is amended in the matter preceding paragraph
(1) by striking “and the Under Secretary of Defense
for Acquisition, Technology, and Logistics” and in-
serting “, the Under Secretary of Defense for Acqui-
sition and Sustainment, and the Under Secretary of
Defense for Research and Engineering”.

(5) Section 139(b)(2) of title 10, United States
Code, is amended by striking “and the Under Sec-
retary of Defense for Acquisition, Technology, and
Logistics” and inserting “, the Under Secretary of
Defense for Acquisition and Sustainment, and the
Under Secretary of Defense for Research and Engi-
neering,”.

(6) Section 139 of title 10, United States Code,
is amended in subsections (c) through (h) by strik-
ing “Under Secretary of Defense for Acquisition,
Technology, and Logistics” each place it appears
and inserting “Under Secretary of Defense for Ac-
quision and Sustainment”.

(7) Section 139a(d)(6) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment, the Under Secretary of Defense for Research and Engineering.”.

(8) Section 171(a) of title 10, United States Code, is amended—

(A) in paragraph (3), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”;

(B) by inserting after paragraph (3) the following new paragraph:

“(4) the Under Secretary of Defense for Research and Engineering;”; and

(C) by redesignating paragraphs (4) through (13) as paragraphs (5) through (14), respectively.

(9) Section 171a of title 10, United States Code, is amended—

(A) in subsection (b)(2), by striking “Under Secretary of Defense for Acquisition,
Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”;

(B) by inserting after subsection (b)(2) the following new paragraph:

“(3) the Under Secretary of Defense for Research and Engineering;”;

(C) in subsection (b), by redesignating paragraphs (3) through (7) as paragraphs (4) through (8), respectively; and

(D) in subsection (e), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(10) Subsection (d)(1) of section 181 of title 10, United States Code, is amended—

(A) in subparagraph (C), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”;

(B) by inserting after subparagraph (C) the following new subparagraph:
“(D) the Under Secretary of Defense for Research and Engineering.”; and

(C) by redesignating paragraphs (D) through (G) as paragraphs (E) through (H), respectively.

(11) Subsection (b)(2) of section 393 of title 10, United States Code, is amended—

(A) in subparagraph (B), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”;

(B) by inserting after subparagraph (B) the following new subparagraph:

“(C) the Under Secretary of Defense for Research and Engineering.”; and

(C) by redesignating subparagraphs (C) through (E) as subparagraphs (D) through (F).


(14) Section 1702 of title 10, United States Code, is amended—

(A) in the heading, by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”;

(B) in the section text, by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

tics’’ and inserting ‘‘Under Secretary of Defense for Acquisition and Sustainment’’.

(16) Section 1705 of title 10, United States Code, is amended—

(A) in subsection (c), by striking ‘‘Under Secretary of Defense for Acquisition, Technology, and Logistics’’ and inserting ‘‘Under Secretary of Defense for Acquisition and Sustainment’’;

(B) in subsection (e)(3), by striking ‘‘Under Secretary of Defense for Acquisition, Technology, and Logistics’’ and inserting ‘‘Under Secretary of Defense for Acquisition and Sustainment’’; and

(C) in subsection (g)(2)(B), by striking ‘‘Under Secretary of Defense for Acquisition, Technology, and Logistics’’ and inserting ‘‘Under Secretary of Defense for Acquisition and Sustainment’’.

(17) Section 803(c) of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 1825; 10 U.S.C. 1705 note) is amended by striking ‘‘Under Secretary of Defense for Acquisition, Technology, and Logistics’’ and in-
serting “Under Secretary of Defense for Acquisition and Sustainment”.

(18) Section 1722 of title 10, United States Code, is amended—

(A) in subsection (a), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”; and

(B) in subsection (b)(2)(B), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(19) Section 1722a of title 10, United States Code, is amended—

(A) in subsection (a), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”; and

(B) in subsection (e), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under
Secretary of Defense for Acquisition and Sustainment”.

(20) Section 1722b(a) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(21) Section 1723 of title 10, United States Code, is amended—

(A) in subsection (a)(3), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”; and

(B) in subsection (b), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(22) Section 1725(e)(2) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(23) Section 1735(c)(1) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(24) Section 1737(c) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(25) Section 1741(b) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(26) Section 1746(a) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(27) Section 1748 of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.
(28) Section 2222 of title 10, United States Code, is amended—

(A) in subsection (c)(2), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”; and

(B) in subsection (f)(2)(B)(i), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.


tics’’ and inserting ‘‘Under Secretary of Defense for Acquisition and Sustainment’’.

(31) Section 2272 of title 10, United States Code, is amended by striking ‘‘Assistant Secretary of Defense for Research and Engineering’’ and inserting ‘‘Under Secretary of Defense for Research and Engineering’’.

(32) Section 2275(a) of title 10, United States Code, is amended by striking ‘‘Under Secretary of Defense for Acquisition, Technology, and Logistics’’ and inserting ‘‘Under Secretary of Defense for Research and Engineering’’.

(33) Section 2279(d) of title 10, United States Code, is amended by striking ‘‘Under Secretary of Defense for Acquisition, Technology, and Logistics’’ and inserting ‘‘Under Secretary of Defense for Acquisition and Sustainment’’.

(34) Section 2279b of title 10, United States Code, is amended—

(A) in subsection (b)—

(i) in paragraph (2), by striking ‘‘Under Secretary of Defense for Acquisition, Technology, and Logistics’’ and inserting ‘‘Under Secretary of Defense for Acquisition and Sustainment’’;
(ii) by redesignating paragraphs (3) through (10) as paragraphs (4) through (11), respectively; and

(iii) by inserting after paragraph (2) the following new paragraph:

“(3) the Under Secretary of Defense for Research and Engineering.”; and

(B) in subsection (c), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.


place such term appears and inserting “Under Secretary of Defense for Acquisition and Sustainment”.


(38) Section 806 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81; 125 Stat. 1487; 10 U.S.C. 2302 note) is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” each place such term appears and inserting “Under Secretary of Defense for Acquisition and Sustainment”.


(43) Section 804(c) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003
(Public Law 107–314; 116 Stat. 2605; 10 U.S.C. 2302 note) is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” each place such term appears and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(44) Section 2304 of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” each place such term appears and inserting “Under Secretary of Defense for Acquisition and Sustainment”.


“Under Secretary of Defense for Acquisition and Sustainment”.


(50) Section 811(e)(1) of the National Defense Authorization Act for Fiscal Year 2006 (Public Law

(51) Section 875 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2310; 10 U.S.C. 2305 note) is amended—

(A) in subsection (b)(2), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”;

(B) in subsection (c), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”;

(C) in subsection (d), by striking “The Under Secretary for Acquisition, Technology, and Logistics” and inserting “The Under Secretary of Defense for Research and Engineering”; and
(D) in subsection (e) through (f), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.


(54) Section 2306b(i)(7) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.
(55) Section 2311(c) of title 10, United States Code, is amended—

(A) in paragraph (1), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”; and

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


(57) Section 2326(g) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(58) Section 2330 of title 10, United States Code, is amended—

(A) in subsection (a)(1), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”;

(B) in subsection (a)(3), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”;

(C) in subsection (b)(2), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”; and

(D) in subsection (b)(3)(A), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

amended in the matter preceding paragraph (1) by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.


(61) Section 2334 of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” each place such term appears and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(62) Section 2350a(b)(2) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics, and the Assistant Secretary of Defense for Research and Engineering” and inserting “Under Secretary of Defense for Acquisition and
Sustainment, and the Under Secretary of Defense for Research and Engineering”.

(63) Section 2359(b)(1) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Research and Engineering”.

(64) Section 2359b of title 10, United States Code, is amended—

(A) in subsection (a)(1), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Research and Engineering”; and

(B) in subsection (l)(1), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Research and Engineering”.

(65) Section 2365 of title 10, United States Code, is amended—

(A) by striking “Assistant Secretary” each place it appears and inserting “Under Secretary”; and
(B) in subsection (d), by striking paragraph (3).

(66) Section 2375 of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” each place such term appears and inserting “Under Secretary of Defense for Acquisition and Sustainment”.


(69) Section 855 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 919; 10 U.S.C. 2377 note) is
amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” each place such term appears and inserting “Under Secretary of Defense for Acquisition and Sustainment”.


(71) Section 2399(b)(3) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics,” and inserting “Under Secretary of Defense for Acquisition and Sustainment, the Under Secretary of Defense for Research and Engineering,”.

(72) Section 2419(a)(1) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(73) Section 825(c)(2) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law


(76) Section 811(b) of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 1828; 10 U.S.C. 2430 note) is amended—

(A) in paragraph (1), by striking “if the Under Secretary of Defense for Acquisition,
Technology, and Logistics” and inserting “if the service acquisition executive, in the case of a major defense acquisition program of the military department, or the Under Secretary of Defense for Acquisition and Sustainment, in the case of a Defense-wide or Defense Agency major defense acquisition program,”; and

(B) in paragraph (2), by inserting “the service acquisition executive or” before “the Under Secretary” each place such term appears.


(A) in subsection (b), by striking paragraph (2) and inserting the following new paragraphs:
“(2) REQUIRED MEMBERS.—Each Configuration Steering Board under this section shall include a representative of the following:

“(A) The Chief of Staff of the Armed Force concerned.

“(B) The Comptroller of the military department concerned.

“(C) The military deputy to the service acquisition executive concerned.

“(D) The program executive officer for the major defense acquisition program concerned.

“(3) ADDITIONAL MEMBERS.—In addition to the members required in paragraph (2), when the milestone decision authority for a major defense acquisition program is the Under Secretary of Defense for Acquisition and Sustainment, each Configuration Steering Board under this section shall also include a representative of the following:

“(A) The Office of the Under Secretary of Defense for Acquisition and Sustainment.

“(B) Other armed forces, as appropriate.

“(C) The Joint Staff.

“(D) Other senior representatives of the Office of the Secretary of Defense and the mili-
tary department concerned, as appropriate.”;
and

(B) in subsection (c)(5)(B), by striking
“Under Secretary of Defense for Acquisition,
Technology, and Logistics” and inserting “serv-
vice acquisition executive”.

(79) Section 801(a)(1) of the John Warner Na-
tional Defense Authorization Act for Fiscal Year
2007 (Public Law 109–364; 120 Stat. 2312; 10
U.S.C. 2430 note) is amended by striking “Under
Secretary of Defense for Acquisition, Technology,
and Logistics” and inserting “Under Secretary of
Defense for Acquisition and Sustainment”.

(80) Section 924 of the National Defense Au-
thorization Act for Fiscal Year 2004 (Public Law
108–136; 117 Stat. 1576; 10 U.S.C. 2430 note) is
amended by striking “Under Secretary of Defense
for Acquisition, Technology, and Logistics” each
place it appears and inserting “Under Secretary of
Defense for Acquisition and Sustainment”.

(81) Section 1675(a) of the National Defense
Authorization Act for Fiscal Year 2016 (Public Law
114–92; 192 Stat. 1131; 10 U.S.C. 2431 note) is
amended by striking “Under Secretary of Defense
for Acquisition, Technology, and Logistics” and in-
serting “the Under Secretary of Defense for Research and Engineering”.

(82) Section 2431a(b) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(83) Section 2435 of title 10, United States Code, is amended by striking—

(A) in subsection (b), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “service acquisition executive, in the case of a major defense acquisition program of a military department, or the Under Secretary of Defense for Acquisition and Sustainment, in the case of a Defense-wide or Defense Agency major defense acquisition program”; and

(B) in subsection (c)(2), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(84) Section 2438(b) of title 10, United States Code, is amended—
(A) in paragraph (1), by striking “Under Secretary of Defense for Acquisition, Technology and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”; and

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

(85) Section 2448b(a) of title 10, United States Code, is amended in the matter preceding paragraph (1) by inserting “by an independent organization selected by the service acquisition executive” after “conducted”.

(86) Section 2503(b) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(87) Section 2508(b) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(88) Section 2521 of title 10, United States Code, is amended—

(A) in subsection (a), by striking “The Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “The Under Secretary of Defense for Research and Engineering”;

(B) in subsection (e)(4)(D), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Research and Engineering”; and

(C) in subsection (e)(5), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Research and Engineering”.

(89) Section 2533b(k)(2)(A) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(90) Section 2546 of title 10, United States Code, is amended—
(A) in the heading of subsection (a), by striking “UNDER SECRETARY OF DEFENSE FOR ACQUISITION, TECHNOLOGY, AND LOGISTICS” and inserting “UNDER SECRETARY OF DEFENSE FOR ACQUISITION AND SUSTAINMENT”;

(B) in subsection (a), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”; and

(C) in subsection (b), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(91) Section 2548 of title 10, United States Code, is amended—

(A) in subsection (a), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”; and

(B) in subsection (c)(8), by striking “Under Secretary of Defense for Acquisition,
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Technology, and Logistics” and inserting
“Under Secretary of Defense for Acquisition
and Sustainment”.

(92) Section 2902(b) of title 10, United States
Code, is amended—

(A) in paragraph (1), by striking “Office
of the Assistant Secretary of Defense for Re-
search and Engineering” and inserting “Office
of the Secretary of Defense for Research and
Engineering”; and

(B) in paragraph (3), by striking “Office
of the Under Secretary of Defense for Acquisi-
tion, Technology, and Logistics” and inserting
“Office of the Under Secretary of Defense for
Acquisition and Sustainment”.

(93) Section 2824(d) of the National Defense
Authorization Act for Fiscal Year 2013 (Public law
112–239; 126 Stat. 2154; 10 U.S.C. 2911 note) is
amended by striking “Under Secretary of Defense
for Acquisition, Technology, and Logistics and the
Assistant Secretary of Defense for Energy, Installa-
tions, and Environment” and inserting “Under Sec-
retary of Defense for Acquisition and Sustainment”.

(94) Section 315(d) of the National Defense
Authorization Act for Fiscal Year 2012 (Public law

(95) Section 2926(e)(5)(D) of title 10, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary for Defense for Acquisition and Sustainment”.

(96) Section 836(a)(2) of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81; 125 Stat. 1508; 22 U.S.C. 2767 note) is amended by striking “the Under Secretary of Defense for Acquisition, Technology, and Logistics, the Assistant Secretary of Defense for Research,” and inserting “the Under Secretary of Defense for Acquisition and Sustainment, the Under Secretary of Defense for Research and Engineering,”.

(97) Section 7103(d)(7)(M)(v) of title 22, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.
(98) Section 1126(a)(3) of title 31, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(99) Section 11319(d)(4) of title 40, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

(100) Section 1302(b)(2)(A)(i) of title 41, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.


(102) Section 1311(b)(3) of title 41, United States Code, is amended by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.
Logistics’’ and inserting ‘‘Under Secretary of Defense for Acquisition and Sustainment’’.

(103) Section 98f(a)(3) of title 50, United States Code, is amended by striking ‘‘Under Secretary of Defense for Acquisition, Technology, and Logistics’’ and inserting ‘‘Under Secretary of Defense for Acquisition and Sustainment’’.

(104) Section 1521 of title 50, United States Code, is amended—

(A) in subsection (f)(1), by striking ‘‘Under Secretary of Defense for Acquisition, Technology, and Logistics’’ and inserting ‘‘Under Secretary of Defense for Acquisition and Sustainment’’; and

(B) in subsection (g)(2), by striking ‘‘Under Secretary of Defense for Acquisition, Technology, and Logistics’’ and inserting ‘‘Under Secretary of Defense for Acquisition and Sustainment.’’.

(k) REQUIREMENTS FOR THE NATIONAL SECURITY STRATEGY FOR NATIONAL TECHNOLOGY AND INDUSTRIAL BASE.—

(1) NATIONAL SECURITY STRATEGY FOR NATIONAL TECHNOLOGY AND INDUSTRIAL BASE.—Section 2501(a) of title 10, United States Code, is
amended by inserting after the first sentence the fol-
lowing new sentence: “The Secretary shall submit
such strategy to Congress not later than 180 days
after the date of submission of the national security
strategy report required under section 108 of the

(2) ANNUAL REPORT TO CONGRESS.—Section
2504(3) of title 10, United States Code, is amend-
ed—

(A) in the matter preceding subparagraph
(A), by inserting “executive order or” after
“pursuant to”;

(B) by amending subparagraph (A) to read
as follows:

“(A) prioritized list of gaps or
vulnerabilities in the national technology and
industrial base, including—

“(i) a description of mitigation strate-
gies necessary to address such gaps or
vulnerabilities;

“(ii) the identification of the individ-
ual responsible for addressing such gaps
or vulnerabilities; and

“(iii) a proposed timeline for action to
address gaps or vulnerabilities.”.
(l) Establishment of Center for Acquisition Innovation.—

(1) Establishment of Center for Acquisition Innovation.—

(A) In General.—Chapter 97 of title 10, United States Code, is amended by inserting after section 1746 the following new section:

§ 1746a. Center for Acquisition Innovation

“(a) Establishment.—The Secretary of Defense, acting through the Under Secretary of Defense for Acquisition and Sustainment, shall establish and maintain a Center for Acquisition Innovation (hereinafter referred to as the ‘Center’) at the Naval Postgraduate School. The Center shall operate as an academic entity specializing in innovation relating to the defense acquisition system.

“(b) Mission.—(1) The mission of the Center is to provide to policymakers in the Department of Defense, Congress, and throughout the Government, academic analyses and policy alternatives for innovation in the defense acquisition system. The Center shall accomplish that mission by a variety of means intended to widely disseminate the research findings of the Center.

“(2) In carrying out the mission under paragraph (1), the Center shall, on an ongoing basis, review the statutes and regulations applicable to the defense acquisition
system. The objective of such review is to provide policy alternatives for streamlining and improving the efficiency and effectiveness of the defense acquisition process in order to ensure a defense technology advantage for the United States over potential adversaries.

“(c) Implementation Review of Section 809 Panel Recommendations and Center Policy Alternatives.—(1) The Center shall, on an ongoing basis, review implementation of the recommendations of the Section 809 Panel and policy alternatives provided by the Center. As part of such review, the Center shall—

“(A) for recommendations or policy alternatives for the enactment of legislation, identify whether (or to what extent) the recommendations or policy alternatives have been adopted by being enacted into law by Congress;

“(B) for recommendations or policy alternatives for the issuance of regulations, identify whether (or to what extent) the recommendations or policy alternatives have been adopted through issuance of new agency or Government-wide regulations; and

“(C) for recommendations or policy alternatives for revisions to policies and procedures in the executive branch, identify whether (or to what extent) the recommendations or policy alternatives have been
adopted through issuance of an appropriate implement- 
menting directive or other form of guidance.

“(2) In this subsection, the term ‘Section 809 Panel’ means the panel established by the Secretary of Defense pursuant to section 809 of the National Defense Author-
ization Act for Fiscal Year 2016 (Public Law 114–92), as amended by section 863(d) of the National Defense Au-
thorization Act for Fiscal Year 2017 (Public Law 114–328) and sections 803(c) and 883 of the National Defense 

“(d) FUNDING.—There shall be available for the Cen-
ter for any fiscal year from the Defense Acquisition Work-
force and Development Fund not less than the amount of $3,000,000 (in fiscal year 2019 constant dollars), in 
addition to any other amount available for that fiscal year for the Naval Postgraduate School.

“(e) ANNUAL REPORT.—(1) Not later than Sep-
ember 30 each year, the Center shall submit to the Sec-
retary of Defense, who shall forward to the Committees on Armed Services of the Senate and House of Represent-
atives, a report describing the activities of the Center during the previous year and providing the findings, analysis, 
and policy alternatives of the Center relating to the de-
defense acquisition system.
“(2) Each such report shall be submitted in accordance with paragraph (1) without further review within the executive branch.

“(3) Each report under paragraph (1) shall include the following:

“(A) Results of academic research and analysis.

“(B) Results of the implementation reviews conducted pursuant to subsection (d).

“(C) Policy alternatives for such legislative and executive branch action as the Center considers warranted.

“(D) Specific implementation language for any statutory changes recommended.

“(f) DEFINITION.—In this section, the term ‘defense acquisition system’ has the meaning given that term in section 2545(2) of this title.”.

(B) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2165 the following new item:

“1746a. Center for Acquisition Innovation.”.

(2) DEADLINE FOR IMPLEMENTATION.—The Secretary of Defense shall establish the Center for Acquisition Innovation under section 1746a of title 10, United States Code, as added by subsection (a), not later than March 1, 2020. The first Director of
the Center shall be appointed not later than June 1, 2020, and the Center should be fully operational not later than June 1, 2021.

(3) IMPLEMENTATION REPORT.—

(A) IN GENERAL.—Not later than January 1, 2021, the head of the Center of Acquisition Innovation shall submit to the Secretary of Defense a report setting forth the organizational plan for the Center for Acquisition Innovation, the proposed budget for the Center, and the timetable for initial and full operations of the Center.

(B) TRANSMITTAL.—The Secretary of Defense shall transmit the report under paragraph (1), together with whatever comments the Secretary considers appropriate, to the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives not later than February 1, 2021.

(4) RECORDS OF THE SECTION 809 PANEL.—

(A) TRANSFER AND MAINTENANCE OF RECORDS.—Following termination of the Section 809 Panel, the records of the panel shall be transferred to, and shall be maintained by, the Defense Technical Information Center.
Such transfer shall be accomplished not later than August 1, 2019.

(B) STATUS OF RECORDS.—Working papers, records of interview, and any other draft work products generated for any purpose by the Section 809 Panel during its research are covered by the deliberative process privilege exemption under paragraph (5) of section 552(b) of title 5, United States Code.

(C) DEFINITION.—In this section, the term “Section 809 Panel” means the panel established by the Secretary of Defense pursuant to section 809 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92), as amended by section 863(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) and sections 803(c) and 883 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).
Subtitle F—Industrial Base Matters

SEC. 871. CONSIDERATION OF SUBCONTRACTING TO MINORITY INSTITUTIONS.

(a) In general.—Chapter 141 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 2410t. Consideration of subcontracting to minority institutions

“(a) Consideration of subcontracting to minority institutions.—The Secretary of Defense shall revise the Department of Defense Supplement to the Federal Acquisition Regulation to require that the system used by the Federal Government to monitor or record contractor past performance for a grant or contract awarded to an institution of higher education includes incentives for the award of a sub-grant or subcontract to minority institutions.

“(b) Minority institution defined.—In this section, the term ‘minority institution’ means—

“(1) a part B institution (as that term is defined in section 322(2) of the Higher Education Act of 1965 (20 U.S.C. 1061(2))); or

“(2) any other institution of higher education (as that term is defined in section 101 of such Act (20 U.S.C. 1001)) at which not less than 50 percent
of the total student enrollment consists of students
from ethnic groups that are underrepresented in the
fields of science and engineering.”.

(b) CLERICAL AMENDMENT.—The table of sections
at the beginning of such chapter is amended by adding
at the end the following new item:

“2410t. Consideration of subcontracting to minority institutions.”.

SEC. 872. SIZE STANDARD CALCULATIONS FOR CERTAIN
SMALL BUSINESS CONCERNS.

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

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

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

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

(2) SIZE STANDARDS FOR OTHER BUSINESS CONCERNS.—Section 3(a)(2)(C)(ii)(III) of the Small Business Act (15 U.S.C. 632(a)(2)(C)(ii)(III)) is amended by striking “not less than 3 years” and inserting “5 years”.

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

(1) PLAN REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Administrator of the Small Business Administration shall implement a transition plan to assist business concerns and Federal agencies with compliance with the requirements of the Small Business Runway Extension Act of 2018 (Public Law 115–324).

(2) 3-YEAR CALCULATION FOR SIZE STANDARDS.—

(A) IN GENERAL.—The transition plan described under paragraph (1) shall include a requirement that, during the period beginning on December 17, 2018, and ending on the date that is 6 months after the date on which the Administrator issues final rules implementing the Small Business Runway Extension Act of
2018 (Public Law 115–324), allows the use of a 3-year calculation for a size standard to be applied to a business concern if the use of such 3-year calculation allows such concern to be considered a small business concern under section 3(a)(1) of the Small Business Act (15 U.S.C. 632(a)(1)).

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

(i) with respect to a business concern providing services described under clause (ii)(II) of such section, a determination of the size of such concern on the basis of the annual average gross receipts of such concern over a period of 3 years; and

(ii) with respect to a business concern described under clause (ii)(III) of such section, a determination of the size of such concern on the basis of data over a period of 3 years.

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

SEC. 873. MODIFICATIONS TO SMALL BUSINESS SUBCONTRACTING.

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

(1) by amending paragraph (16) to read as follows:

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

“(A) IN GENERAL.—For purposes of determining whether or not a prime contractor has attained the percentage goals specified in paragraph (6)—

“(i) if the subcontracting goals pertain only to a single contract with the Federal agency, the prime contractor may elect to receive credit for small business concerns performing as first tier subcontractors or subcontractors at any tier pursuant to the subcontracting plans required under paragraph (6)(D) in an amount equal to the total dollar value of any subcontracts
awarded to such small business concerns;

and

“(ii) if the subcontracting goals pertain to more than one contract with one or more Federal agencies, or to one contract with more than one Federal agency, the prime contractor may only receive credit for first tier subcontractors that are small business concerns.

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

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

“(ii) the agency periodically reviews data collected and reported pursuant to subparagraph (A) for the purpose of ensuring that such contractors comply in good faith with the requirements of this subsection and subcontracting plans submitted by the contractors pursuant to this subsection.
“(C) Rule of Construction.—Nothing in this paragraph shall be construed to allow a Federal agency to establish a goaling requirement for a prime contractor eligible to receive credit under this paragraph that establishes an amount of subcontracts with a subcontractor that is not a first tier subcontractor for such prime contractor.”; and

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

“(18) Dispute Process for Non-Payment to Subcontractors.—

“(A) Notice to Agency.—With respect to a contract with a Federal agency, a subcontractor of a prime contractor on such contract may, if the subcontractor has not received payment for performance on such contract within 30 days of the completion of such performance, notify the Office of Small and Disadvantaged Business Utilization (hereinafter referred to as ‘OSDBU’) of the Federal agency and the prime contractor of such lack of payment.

“(B) Agency Determination.—

“(i) In General.—Upon receipt of a notice described under subparagraph (A)
and if such notice is provided to the agency within the 15-day period following the end the 30-day period described in subparagraph (A), the OSDBU shall verify whether such lack of payment has occurred and determine whether such lack of payment is due to an undue restriction placed on the prime contractor by an action of the Federal agency.

“(ii) Response during determination.—During the period in which the OSDBU is making the determination under clause (i), the prime contractor may respond to both the subcontractor and the OSDBU with relevant verifying documentation to either prove payment or allowable status of nonpayment.

“(C) Cure period.—If the OSDBU verifies that the lack of payment under subparagraph (B) is not due to an action of the Federal agency, and the prime contractor has not provided verifying documentation described in subparagraph (B)(ii), the OSDBU shall notify the prime contractor and provide the prime contractor with a 15-day period in which the
prime contractor may make the payment owed to the subcontractor.

“(D) **Result of Nonpayment.**—If, after notifying the prime contractor under subparagraph (C), the OSDBU determines that the prime contractor has not fully paid the amount owed within the 15-day period described under subparagraph (C), the OSDBU shall ensure that such failure to pay is reflected in the Contractor Performance Assessment Reporting system (or any successor system).”.

(b) **Maintenance of Records With Respect to Credit Under a Subcontracting Plan.**—Section 8(d)(6) of the Small Business Act (15 U.S.C. 637(d)(6)) is amended—

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

(2) by inserting after subparagraph (F) the following new subparagraph:

“(G) a recitation of the types of records the successful offeror or bidder will maintain to demonstrate that procedures have been adopted to substantiate the credit the successful offeror or bidder will elect to receive under paragraph (16)(A)(i);”.

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SEC. 874. INCLUSION OF BEST IN CLASS DESIGNATIONS IN ANNUAL REPORT ON SMALL BUSINESS GOALS.

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

“(4) BEST IN CLASS SMALL BUSINESS PARTICIPATION REPORTING.—

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

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

“(ii) the number of small business concerns awarded contracts and the dollar amount of such contracts awarded within each such designation to each of the following—

“(I) qualified HUBZone small business concerns;

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

“(III) small business concerns owned and controlled by service-disabled veterans; and
“(IV) small business concerns owned and controlled by socially and economically disadvantaged individuals.

“(B) Best in Class Defined.—The term ‘best in class’ has the meaning given such term by the Director of the Office of Management and Budget.

“(C) Effective Date.—The Administrator shall report on the information described by subparagraph (A) beginning on the date that such information is available in the Federal Procurement Data System, the System for Award Management, or any successor to such systems.”

SEC. 875. SMALL BUSINESS ADMINISTRATION CYBERSECURITY REPORTS.

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

“(b) Cybersecurity Reports.—

“(1) Annual Report.—Not later than 180 days after the date of enactment of this subsection, and every year thereafter, the Administrator shall submit a report to the appropriate congressional committees that includes—
“(A) an assessment of the information technology (as defined in section 11101 of title 40, United States Code) and cybersecurity infrastructure of the Administration;

“(B) a strategy to increase the cybersecurity infrastructure of the Administration;

“(C) a detailed account of any information technology equipment or interconnected system or subsystem of equipment of the Administration that was manufactured by an entity that has its principal place of business located in China, Iran, Russia, or North Korea; and

“(D) an account of any cybersecurity risk or incident that occurred at the Administration during the 2-year period preceding the date on which the report is submitted, and any action taken by the Administrator to respond to or remediate any such cybersecurity risk or incident.

“(2) ADDITIONAL REPORTS.—If the Administrator determines that there is a reasonable basis to conclude that a cybersecurity risk or incident occurred at the Administration, the Administrator shall—

“(A) not later than 7 days after the date on which the Administrator makes that deter-
mination, notify the appropriate congressional
committees of the cybersecurity risk or incident;
and
“(B) not later than 30 days after the date
on which the Administrator makes a determina-
tion under subparagraph (A)—
“(i) provide notice to individuals and
small business concerns affected by the cy-
bersecurity risk or incident; and
“(ii) submit to the appropriate con-
gressional committees a report, based on
information available to the Administrator
as of the date which the Administrator
submits the report, that includes—
“(I) a summary of information
about the cybersecurity risk or inci-
dent, including how the cybersecurity
risk or incident occurred; and
“(II) an estimate of the number
of individuals and small business con-
cerns affected by the cybersecurity
risk or incident, including an assess-
ment of the risk of harm to affected
individuals and small business con-
cerns.
“(3) Rule of Construction.—Nothing in this subsection shall be construed to affect the reporting requirements of the Administrator under chapter 35 of title 44, United States Code, in particular the requirement to notify the Federal information security incident center under section 3554(b)(7)(C)(ii) of such title, or any other provision of law.

“(4) Definitions.—In this subsection:

“(A) Appropriate Congressional Committees.—The term ‘appropriate congressional committees’ means—

“(i) the Committee on Small Business and Entrepreneurship of the Senate; and

“(ii) the Committee on Small Business of the House of Representatives.

“(B) Cybersecurity Risk; Incident.—The terms ‘cybersecurity risk’ and ‘incident’ have the meanings given such terms, respectively, under section 2209(a) of the Homeland Security Act of 2002.”
SEC. 876. CYBER COUNSELING CERTIFICATION PROGRAM

FOR LEAD SMALL BUSINESS DEVELOPMENT CENTERS.

Section 21 of the Small Business Act (15 U.S.C. 648) is amended by adding at the end the following:

“(o) CYBER COUNSELING CERTIFICATION PROGRAM FOR LEAD SMALL BUSINESS DEVELOPMENT CENTERS.—

“(1) CERTIFICATION PROGRAM.—The Administrator shall establish a cyber counseling certification program, or approve a similar existing program, to certify employees of lead small business development centers to provide cyber planning assistance to small business concerns.

“(2) NUMBER OF CERTIFIED EMPLOYEES.—The Administrator shall ensure that each lead small business development center has at least 1 employee, and not less than 10 percent of the total number of employees of the lead small business development center, certified in providing cyber planning assistance under this subsection.

“(3) CONSIDERATION OF SMALL BUSINESS DEVELOPMENT CENTER CYBER STRATEGY.—In carrying out this subsection, the Administrator, to the extent practicable, shall consider any cyber strategy methods included in the Small Business Development Center Cyber Strategy developed under section

“(4) Reimbursement for Certification.—
Subject to the availability of appropriations, the Administrator shall reimburse a lead small business development center in an amount not to exceed $350,000 in any fiscal year for costs relating to the certification of an employee of the lead small business development center under the program established under paragraph (1).

“(5) Definitions.—In this subsection:

“(A) Cyber Planning Assistance.—The term ‘cyber planning assistance’ means counsel and assistance to improve the cybersecurity infrastructure, awareness of cyber threat indicators, and cyber training programs for employees of a small business concern.

“(B) Lead Small Business Development Center.—The term ‘lead small business development center’ means a small business development center that has received a grant under this section.”.
SEC. 877. EXEMPTION OF CERTAIN CONTRACTS FROM THE
PERIODIC INFLATION ADJUSTMENTS TO THE
ACQUISITION-RELATED DOLLAR THRESHOLD.

Subparagraph (B) of section 1908(b)(2) of title 41, United States Code, is amended by inserting “3131 to 3134,” after “sections”.

SEC. 878. IMPROVEMENTS TO CERTAIN DEFENSE INNOVATION PROGRAMS.

(a) ALIGNMENT OF THE SMALL BUSINESS INNOVATION RESEARCH PROGRAM AND SMALL BUSINESS TECHNOLOGY TRANSFER PROGRAM OF THE DEPARTMENT OF DEFENSE WITH THE NATIONAL DEFENSE SCIENCE AND TECHNOLOGY STRATEGY.—

(2) USE OF NATIONAL DEFENSE SCIENCE AND TECHNOLOGY STRATEGY TO DETERMINE RESEARCH TOPICS.—Section 9 of the Small Business Act (15 U.S.C. 638) is amended—


and


(b) PILOT PROGRAM FOR DOMESTIC INVESTMENT UNDER THE SBIR PROGRAM.—

(1) SENSE OF CONGRESS.—It is the sense of Congress that the Administrator of the Small Business Administration should promulgate regulations
to carry out the requirements under section 9(dd) of the Small Business Act (15 U.S.C. 638(dd)) that—

(A) permit small business concerns that are majority-owned by multiple venture capital operating companies, hedge funds, or private equity firms to participate in the SBIR program in accordance with such section;

(B) provide specific information regarding eligibility, participation, and affiliation rules to such small business concerns; and

(C) preserve and maintain the integrity of the SBIR program as a program for small business concerns in the United States by prohibiting large entities or foreign-owned entities from participation in the SBIR program.

(2) DOMESTIC INVESTMENT PILOT PROGRAM.—

(A) IN GENERAL.—Not later than 1 year after the date of the enactment of this Act and notwithstanding the requirements of section 9(dd) of the Small Business Act (15 U.S.C. 638(dd)), the Secretary of Defense shall create and administer a program to be known as the “Domestic Investment Pilot Program” under which the Secretary and the service acquisition executive for each military department may
make a SBIR award to a small business concern that is majority-owned by multiple United States-owned venture capital operating companies, hedge funds, or private equity firms without providing the written determination described under paragraph (2) of such section 9(dd).

(B) LIMITATION.—The Secretary of Defense may award not more than 10 percent of the funds allocated for the SBIR program of the Department of Defense under section 9(f) of the Small Business Act (15 U.S.C. 638(f)) to small business concerns that are owned in majority part by multiple venture capital operating companies, hedge funds, or private equity firms through competitive, merit-based procedures that are open to all eligible small business concerns.

(C) EVALUATION CRITERIA.—In carrying out the Domestic Investment Pilot Program, the Secretary of Defense may not use investment of venture capital or investment from hedge funds or private equity firms as a criterion for the award of contracts under the SBIR program or STTR program.
(D) Annual Reporting.—The Secretary of Defense shall include as part of each annual report required under section 9(b)(7) of the Small Business Act (15 U.S.C. 638(9)(b)(7))—

(i) information on the implementation of the Domestic Investment Pilot Program;

(ii) the number of proposals received from small business concerns that are majority-owned by multiple venture capital operating companies, hedge funds, or private equity firms for the Domestic Investment Pilot Program; and

(iii) the number of awards made to such small business concerns.

(E) Termination.—The Domestic Investment Pilot Program established under this subsection shall terminate on September 30, 2022.

(3) Definitions.—In this section:

(A) SBIR.—The term “SBIR” has the meaning given in section 9(e) of the Small Business Act (15 U.S.C. 638(e)).

(B) Small Business Act Definitions.—The terms “small business concern”, “venture capital operating company”, “hedge fund”, and
“private equity firm” have the meanings given those terms, respectively, in section 3 of the Small Business Act (15 U.S.C. 632).

(c) Cybersecurity Technical Assistance for SBIR and STTR Programs.—

(1) IN GENERAL.—The Secretary of Defense may enter into an agreement with 1 or more vendors selected under section (9)(q)(2) of the Small Business Act (15 U.S.C. 638(q)(2)) to provide small business concerns engaged in SBIR or STTR projects with cybersecurity technical assistance, such as access to a network of cybersecurity experts and engineers engaged in designing and implementing cybersecurity practices.

(2) AMOUNTS.—In carrying out paragraph (1), the Secretary of Defense may provide the amounts described under section (9)(q)(3) of such Act (15 U.S.C. 638(q)(3)) to a recipient that meets the eligibility requirements under the applicable subparagraph, if the recipient requests to seek cybersecurity technical assistance from an individual or entity other than a vendor selected as described in paragraph (1).

(d) Phase 0 Proof of Concept Partnership Program for the Department of Defense.—Section
9(jj) of the Small Business Act (15 U.S.C. 638) is amended—

(1) in paragraph (1), by striking “The Director of the National Institutes of Health” and inserting “A covered agency head”; 

(2) by striking “The Director” each place it appears and inserting “A covered agency head”; 

(3) by striking “the Director” each place it appears and inserting “a covered agency head”; 

(4) in paragraph (2)—

(A) by amending subparagraph (A) to read as follows:

“(A) the term ‘covered agency head’ means—

“(i) with respect to the STTR program of the National Institutes of Health, the Director of the National Institutes of Health; or

“(ii) with respect to the STTR program of the Department of Defense, the Secretary of Defense;”; and

(B) in subparagraph (C), by striking “in the National Institutes of Health’s STTR program” and inserting “in either the STTR program of the Department of Defense or the
STTR program of the National Institutes of Health’; and

(5) in paragraph (4)(A), by inserting “participating in the STTR program administered by such agency head” after “a qualifying institution”.

(e) MODIFICATION TO THE DEFENSE RESEARCH AND DEVELOPMENT RAPID INNOVATION PROGRAM.—

(1) INCREASE TO FUNDING.—Section 2359a(b)(3) of title 10, United States Code, is amended by striking “$3,000,000” and inserting “$6,000,000”.

(2) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on the program established under section 2359a(b)(3) of title 10, United States Code, (commonly known as the “Defense Research and Development Rapid Innovation Program”), which shall include—

(A) with respect to the two fiscal years preceding the submission of the report—

(i) a description of the total number of proposals funded under the program;

(ii) the percent of funds made available under the program for Small Business
Innovation Research Program projects;
and

(iii) a list of Small Business Innovation Research Program projects that received funding under the program that were included in major defense acquisition programs (as defined in section 2430 of title 10, United States Code) and other defense acquisition programs that meet critical national security needs; and

(B) an assessment on the effectiveness of the program in stimulating innovation technologies, reducing acquisition or lifecycle costs, addressing technical risk, and improving the timeliness and thoroughness of test and evaluation outcomes.

(f) ESTABLISHMENT OF JOINT RESERVE DETACHMENTS AT DEFENSE INNOVATION UNIT.—

(1) ESTABLISHMENT.—The Secretary of Defense, in consultation with the Secretaries of the military departments, shall establish not fewer than three joint reserve detachments (referred to in this section as “Detachments”) at locations of the Defense Innovation Unit—

(A) to support engagement and collaboration with commercial innovation hubs; and

(B) to accelerate the transition and adoption of commercial technologies for national security purposes.

(2) COMPOSITION.—Each Detachment shall be composed of members of the reserve components who possess relevant private sector experience in the fields of business, acquisition, intelligence, engineering, technology transfer, science, mathematics, contracting, procurement, logistics, cyberspace security, or such other fields as are determined to be relevant by the Under Secretary of Defense for Research and Engineering.

(3) RESPONSIBILITIES.—The Detachments shall have the following responsibilities:

(A) Each Detachment shall provide the Department of Defense with expertise, analysis, alternatives for innovation, and opportunities for greater engagement and collaboration between the defense innovation ecosystem and commercial industry.

(B) Each Detachment shall, on an ongoing basis—
(i) recruit, retain, and employ members of the reserve components who possess relevant private sector experience, as described in paragraph (2);

(ii) partner with the military services, the combatant commands, and other Department of Defense organizations to seek and rapidly prototype advanced commercial solutions while lowering the barrier to entry to serve defense requirements;

(iii) increase awareness of—

(I) the technology portfolios of the Defense Innovation Unit; and

(II) the technology requirements of the Department of Defense as identified in the National Defense Science and Technology Strategy developed under section 218 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 1679);

(iv) capitalize on the growing investment in research and development made by the commercial industry in assessing and maturing dual-use technologies; and
(v) carry out such other activities as may be directed by the Under Secretary of Defense for Research and Engineering.

(4) Deadline for establishment of detachments.—The Secretary of Defense shall ensure that—

(A) at least one Detachment is established on or before October 1, 2020; and

(B) all three Detachments required under subsection (a) are established on or before October 1, 2022.

(5) Implementation report.—

(A) In general.—Not later than 120 days after the date of the enactment of this Act, the Under Secretary of Defense for Research and Engineering shall submit to the congressional defense committees a report that includes—

(i) an organizational plan for the Detachments;

(ii) the estimated costs of establishing the Detachments;

(iii) a timeline specifying when each Detachment will attain initial operational
capability and full operational capability, respectively.

(B) CONSULTATION.—In preparing the report required under subparagraph (A), the Under Secretary of Defense for Research and Engineering shall consult with the Director of the Defense Innovation Unit and the head of each military service.

(g) MODIFICATION TO DEPARTMENT OF DEFENSE SBIR EXPENDITURES.—Section 9(f) of the Small Business Act (15 U.S.C. 638(f)) is amended—

(1) in paragraph (1)(I), by inserting “, except as provided in paragraph (5)” after “thereafter,” and inserting “fiscal years 2017 through 2019; and”;

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

“(5) REQUIRED EXPENDITURE AMOUNTS FOR THE DEPARTMENT OF DEFENSE.—With respect to fiscal year 2020 and each fiscal year thereafter, paragraph (1)(I) shall apply to the Department of Defense with ‘4.0 percent’ substituted for ‘3.2 percent’.”.
SEC. 879. PILOT PROGRAM FOR DEVELOPMENT OF TECHNOLOGY-ENHANCED CAPABILITIES WITH PARTNERSHIP INTERMEDIARIES.

(a) Establishment.—The Secretary of Defense may authorize the Commander of the United States Special Operations Command to use not more than 5 percent of the funds required to be expended by the Department of Defense under section 9(f)(1) of the Small Business Act (15 U.S.C. 638(f)(1)) for a pilot program to increase participation by small business concerns in the development of technology-enhanced capabilities for special operations forces.

(b) Use of Partnership Intermediary.—

(1) Authorization.—The Commander of the United States Special Operations Command may modify an existing agreement with a partnership intermediary to assist the Commander in carrying out the pilot program under this section, including with respect to the award of Small Business Innovation Research Program contracts, Small Business Technology Transfer Program contracts, and other contracts and agreements to small business concerns.

(2) Use of Funds.—None of the funds referred to in subsection (a) shall be used to pay a
partnership intermediary for any administrative costs associated with the pilot program.

(c) REPORT.—Not later than October 1, 2020, and October 1, 2021, the Commander of the United States Special Operations Command shall submit to the congressional defense committees, the Committee on Small Business of the House of Representatives, and the Committee on Small Business and Entrepreneurship of the Senate a report describing any agreement with a partnership intermediary entered into pursuant to this section. The report shall include, for each such agreement, the amount of funds obligated, an identification of the recipient of such funds, and a description of the use of such funds.

(d) TERMINATION.—The authority to carry out a pilot program under this section shall terminate on September 30, 2021.

(e) DEFINITIONS.—In this section:

(1) PARTNERSHIP INTERMEDIARY.—The term “partnership intermediary” has the meaning given the term in section 23(c) of the Stevenson-Wydler Technology Innovation Act of 1980 (15 U.S.C. 3715(c)).

(2) SMALL BUSINESS CONCERN.—The term “small business concern” has the meaning given the

(3) **Small Business Innovation Research Program.**—The term “Small Business Innovation Research Program” has the meaning given the term in section 9(e)(4) of the Small Business Act (15 U.S.C. 638(e)).

(4) **Small Business Technology Transfer Program.**—The term “Small Business Technology Transfer Program” has the meaning given the term in section 9(e)(5) of the Small Business Act (15 U.S.C. 638(e)).

(5) **Technology-enhanced capability.**—The term “technology-enhanced capability” means a product, concept, or process that improves the ability of a member of the Armed Forces to achieve an assigned mission.

**SEC. 880. AUTHORIZED OFFICIAL TO CARRY OUT THE PROCUREMENT TECHNICAL ASSISTANCE COOPERATIVE AGREEMENT PROGRAM.**

(a) **Authorized Official.**—Effective October 1, 2021, section 2411(3) of title 10, United States Code, is amended by striking “Director of Defense Logistics Agency” and inserting “Under Secretary of Defense for Acquisition and Sustainment”.

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(b) Report and Briefing.—Not later than November 1, 2020, the Secretary of Defense shall provide to the congressional defense committees a written report and briefing on the activities carried out in preparation for the transition of responsibilities for carrying out the procurement technical assistance cooperative agreement program under chapter 142 of title 10, United States Code, from the Director of Defense Logistics Agency to the Under Secretary of Defense for Acquisition and Sustainment, as required by subsection (a).

c) Annual Budget Justification Documents.—Not later than February 1, 2022, and each fiscal year thereafter, the Secretary of Defense shall submit to the congressional defense committees a budget justification display that includes the procurement technical assistance cooperative agreement program under chapter 142 of title 10, United States Code, as part of the budget justification for Operation and Maintenance, Defense-wide for the Office of the Secretary of Defense.

SEC. 881. PERMANENT AUTHORIZATION AND IMPROVEMENT OF DEPARTMENT OF DEFENSE MENTOR-PROTEGE PROGRAM.

(a) Permanent Authorization.—Section 831 of the National Defense Authorization Act for Fiscal Year

(b) Office of Small Business Programs Oversight.—Section 831 of the National Defense Authorization Act for Fiscal Year 1991 (Public Law 101–510; 10 U.S.C. 2302 note) is amended—

(1) by redesignating subsection (n) as subsection (o); and

(2) by inserting after subsection (m) the following new subsection:

“(n) Establishment of Performance Goals and Periodic Reviews.—The Office of Small Business Programs of the Department of Defense shall—

“(1) establish performance goals consistent with the stated purpose of the Mentor-Protege Program and outcome-based metrics to measure progress in meeting those goals; and

“(2) submit to the congressional defense committees, not later than February 1, 2020, a report on progress made toward implementing these performance goals and metrics, based on periodic reviews of the procedures used to approve mentor-protege agreements.”.

(c) Modification of Disadvantaged Small Business Concern Definition.—Subsection (o)(2) of
the National Defense Authorization Act for Fiscal Year 1991 (Public Law 101–510; 10 U.S.C. 2302 note), as re-designated by subsection (b)(1) of this section, is amended by striking “has less than half the size standard corresponding to its primary North American Industry Classification System code” and inserting “is not more than the size standard corresponding to its primary North American Industry Classification System code”.

(d) REMOVAL OF PILOT PROGRAM REFERENCES.—


(1) in the subsection heading for subsection (a), by striking “PILOT”; and

(2) by striking “pilot” each place it appears.

(e) INDEPENDENT REPORT ON PROGRAM EFFECTIVENESS.—

(1) IN GENERAL.—The Secretary of Defense shall direct the Defense Business Board to submit to the congressional defense committees a report evaluating the effectiveness of the Mentor-Protege Program established under section 831 of the National Defense Authorization Act for Fiscal Year 1991 (Public Law 101–510; 10 U.S.C. 2302 note), including recommendations for improving the program in
terms of performance metrics, forms of assistance, and overall program effectiveness not later than March 31, 2022.

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

Subtitle G—Other Matters

SEC. 891. REQUIREMENT TO USE MODELS OF COMMERCIAL E-COMMERCE PORTAL PROGRAM.

(a) In General.—Before the award of a final contract to a commercial e-commerce portal provider pursuant to section 846 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 41 U.S.C. 1901 note), the Administrator of General Services shall establish a five-year program to test the three models for commercial e-commerce portals identified in section 4.1 of “Procurement Through Commercial E-Commerce Portals Phase II Report: Market Research & Consultation” issued by the Administrator in April 2019.

(b) Analysis.—The Administrator shall conduct an analysis of the use of the three models described in subsection (a) to determine which model is the most effective for procurement through commercial e-commerce portals.
SEC. 892. REPORT AND DATABASE ON ITEMS MANUFACTURED IN THE UNITED STATES FOR MAJOR DEFENSE ACQUISITION PROGRAMS.

(a) SENSE OF CONGRESS.—It is the sense of Congress that any equipment or products purchased for major defense acquisition programs (as defined in section 2430 of title 10, United States Code) should be manufactured in the United States substantially all from articles, materials, or supplies mined, produced, or manufactured in the United States, and that any such equipment or products purchased by any entity of the Department of Defense should be American-made, provided that American-made equipment and products are of a quality similar to that of competitive offers and are available in a timely manner to meet mission requirements.

(b) IN GENERAL.—Chapter 144 of title 10, United States Code, is amended by inserting after section 2436 the following new section:

“§ 2436a. Major defense acquisition programs: report and database on items manufactured in the United States

“(a) REPORT.—Beginning not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees an annual report on the percentage of any items procured in connection with a major defense acquisition
program that are manufactured in the United States sub-
stantially all from articles, materials, or supplies mined,
produced, or manufactured in the United States.

“(b) DATABASE.—The Secretary of Defense shall es-
establish a database for information related to items de-
dscribed in the report required under subsection (a) that
can be used for continuous data analysis to inform acquisi-
tion decisions relating to major defense acquisition pro-
grams.”.

(c) CLERICAL AMENDMENT.—The table of section at
the beginning of such chapter is amended by inserting
after the item relating to section 2436 the following new
item:

“2436a. Major defense acquisition programs: report and database on items man-
ufactured in the United States.”.

SEC. 893. REQUIREMENTS RELATING TO SELECTED ACQUI-
SION REPORTS.

(a) INAPPLICABILITY OF TERMINATION OF REPORT
SUBMITTAL TO CONGRESS.—

(1) IN GENERAL.—Selected Acquisition Reports
required by section 2432 of title 10, United States
Code, shall not constitute reports covered by sub-
section (b) of section 1080 of the National Defense
Authorization Act for Fiscal Year 2016 (Public Law
114–92; 129 Stat. 1000; 10 U.S.C. 111 note), and
their submittal to Congress as required by such sec-
tion 2432 shall not be terminated by operation of
subsection (a) of such section 1080.

(2) CONFORMING AMENDMENT.—Effective on
December 30, 2021, section 1051(x) of the National
Defense Authorization Act for Fiscal Year 2018
(Public Law 115–91; 131 Stat. 1567) is amended by
striking paragraph (4).

(b) FORM OF SELECTED ACQUISITION REPORTS.—
Section 2432 of title 10, United States Code, is amended
by adding at the end the following new subsection:

“(i) A report required under this section shall be sub-
mitted in unclassified form without any designation relat-
ing to dissemination control, but may contain a classified
annex.”.

(c) REPORT ON ALTERNATIVE METHODOLOGY.—The
Secretary of Defense shall include with the budget for fis-
cal year 2021, as submitted to Congress pursuant to sec-
tion 1105(a) of title 31, United States Code, a report pro-
posing an alternative methodology for providing status re-
ports on major defense acquisition programs and other ac-
quision activities, including programs carried out under
section 804 of the National Defense Authorization Act for
Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2302
note), where such status reports shall include information
on—
(1) scheduled and completed cybersecurity tests of software acquired through a program covered by the status report, including assessments on cooperative vulnerability and penetration and adversarial assessments;

(2) software development metrics, including initial and most recent estimates of the projected value, sizing, schedule, and level of effort for software acquired through a program covered by the status report; and

(3) quality metrics for software acquired through a program covered by the status report.

(d) GUIDANCE ON CYBERSECURITY TESTS.—With respect to cybersecurity tests included in the alternative methodology report described in subsection (c)(1), the Secretary of Defense, in coordination with the Director of Operational Test and Evaluation, shall develop policies on the selection of cybersecurity tests, methods to consistently describe the cybersecurity tests, and methods to associate cybersecurity tests with a component part of a system or a version of the software tested.

SEC. 894. CONTRACTOR SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH PROGRAMS.

(a) IN GENERAL.—Section 862 of National Defense Authorization Act for Fiscal Year 2012 (Public Law 112—
181; 125 Stat. 1521; 10 U.S.C. note prec. 2191) is amended—

(1) in subsection (a), in the matter preceding paragraph (1)—

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

(B) by striking “ensure that Department of Defense contractors” and inserting “encourage Department of Defense contractors to”;

and

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

“(b) ALLOWABLE COST.—The cost of participating in activities described in subsection (a) to a Department of Defense contractor shall be deemed to be an allowable cost under a contract between the contractor and the Department of Defense.”.

(b) IMPLEMENTATION.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall issue such rules or guidance necessary to implement the amendments made by this section.
SEC. 895. EXTENSION OF SUNSET RELATING TO FEDERAL DATA CENTER CONSOLIDATION INITIATIVE.

Subsection (e) of section 834 of the National Defense Authorization Act for Fiscal Year 2015 (44 U.S.C. 3601 note) is amended by striking “2020” and inserting “2022”.

SEC. 896. REQUIREMENTS RELATING TO CERTAIN RAIL ROLLING STOCK PROCUREMENTS AND OPERATIONS.

(a) LIMITATION ON CERTAIN RAIL ROLLING STOCK PROCUREMENTS.—Section 5323 of title 49, United States Code, is amended by adding at the end the following:

“(u) LIMITATION ON CERTAIN RAIL ROLLING STOCK PROCUREMENTS.—

“(1) IN GENERAL.—Except as provided in paragraph (5), financial assistance made available under this chapter shall not be used in awarding a contract or subcontract to an entity on or after the date of enactment of this subsection for the procurement of rail rolling stock for use in public transportation if the manufacturer of the rail rolling stock—

“(A) is incorporated in or has manufacturing facilities in the United States; and

“(B) is owned or controlled by, is a subsidiary of, or is otherwise related legally or fi-
nancially to a corporation based in a country that—

“(i) is identified as a nonmarket economy country (as defined in section 771(18) of the Tariff Act of 1930 (19 U.S.C. 1677(18))) as of the date of enactment of this subsection;

“(ii) was identified by the United States Trade Representative in the most recent report required by section 182 of the Trade Act of 1974 (19 U.S.C. 2242) as a priority foreign country under subsection (a)(2) of that section; and

“(iii) is subject to monitoring by the Trade Representative under section 306 of the Trade Act of 1974 (19 U.S.C. 2416).

“(2) EXCEPTION.—For purposes of paragraph (1), the term ‘otherwise related legally or financially’ does not include a minority relationship or investment.

“(3) INTERNATIONAL AGREEMENTS.—This subsection shall be applied in a manner consistent with the obligations of the United States under international agreements.
“(4) **Certification for Rail Rolling Stock.**—

“(A) **In General.**—Except as provided in paragraph (5), as a condition of financial assistance made available in a fiscal year under section 5337, a recipient that operates rail fixed guideway service shall certify in that fiscal year that the recipient will not award any contract or subcontract for the procurement of rail rolling stock for use in public transportation with a rail rolling stock manufacturer described in paragraph (1).

“(B) **Separate Certification.**—The certification required under this paragraph shall be in addition to any certification the Secretary establishes to ensure compliance with the requirements of paragraph (1).

“(5) **Exception.**—This subsection, including the certification requirement under paragraph (4), shall not apply to the award of a contract or subcontract made by a public transportation agency with a rail rolling stock manufacturer described in paragraph (1) if the manufacturer and the public transportation agency have a contract for rail rolling
stock that was executed before the date of enactment of this subsection.”.

(b) Cybersecurity Certification for Rail Rolling Stock and Operations.—Section 5323 of title 49, United States Code, as amended by subsection (a), is amended by adding at the end the following:

“(v) Cybersecurity Certification for Rail Rolling Stock and Operations.—

“(1) Certification.—As a condition of financial assistance made available under this chapter, a recipient that operates a rail fixed guideway public transportation system shall certify that the recipient has established a process to develop, maintain, and execute a written plan for identifying and reducing cybersecurity risks.

“(2) Compliance.—For the process required under paragraph (1), a recipient of assistance under this chapter shall—

“(A) utilize the approach described by the voluntary standards and best practices developed under section 2(c)(15) of the National Institute of Standards and Technology Act (15 U.S.C. 272(c)(15)), as applicable;

“(B) identify hardware and software that the recipient determines should undergo third-
party testing and analysis to mitigate cybersecurity risks, such as hardware or software for rail rolling stock under proposed procurements; and

“(C) utilize the approach described in any voluntary standards and best practices for rail fixed guideway public transportation systems developed under the authority of the Secretary of Homeland Security, as applicable.

“(3) LIMITATIONS ON STATUTORY CONSTRUCTION.—Nothing in this subsection shall be construed to interfere with the authority of—

“(A) the Secretary of Homeland Security to publish or ensure compliance with requirements or standards concerning cybersecurity for rail fixed guideway public transportation systems; or

“(B) the Secretary of Transportation under section 5329 to address cybersecurity issues as those issues relate to the safety of rail fixed guideway public transportation systems.”.
SEC. 897. PROHIBITION ON CONTRACTING WITH PERSONS THAT HAVE BUSINESS OPERATIONS WITH THE MADURO REGIME.

(a) PROHIBITION.—Except as provided under subsections (c), (d), and (e), the Department of Defense may not enter into a contract for the procurement of goods or services with any person that has business operations with an authority of the Government of Venezuela that is not recognized as the legitimate Government of Venezuela by the United States Government.

(b) DEFINITIONS.—In this section:

(1) BUSINESS OPERATIONS.—The term “business operations” means engaging in commerce in any form, including acquiring, developing, maintaining, owning, selling, possessing, leasing, or operating equipment, facilities, personnel, products, services, personal property, real property, or any other apparatus of business or commerce.

(2) GOVERNMENT OF VENEZUELA.—(A) The term “Government of Venezuela” includes the government of any political subdivision of Venezuela, and any agency or instrumentality of the Government of Venezuela.

(B) For purposes of subparagraph (A), the term “agency or instrumentality of the Government of Venezuela” means an agency or instrumentality
of a foreign state as defined in section 1603(b) of title 28, United States Code, with each reference in such section to “a foreign state” deemed to be a reference to “Venezuela”.

(3) PERSON.—The term “person” means—

(A) a natural person, corporation, company, business association, partnership, society, trust, or any other nongovernmental entity, organization, or group;

(B) any governmental entity or instrumentality of a government, including a multilateral development institution (as defined in section 1701(c)(3) of the International Financial Institutions Act (22 U.S.C. 262r(c)(3))); and

(C) any successor, subunit, parent entity, or subsidiary of, or any entity under common ownership or control with, any entity described in subparagraph (A) or (B).

(c) EXCEPTIONS.—

(1) IN GENERAL.—The prohibition under subsection (a) does not apply to a contract that the Secretary of Defense and the Secretary of State jointly determine—

(A) is necessary—
(i) for purposes of providing humanitarian assistance to the people of Venezuela,

(ii) for purposes of providing disaster relief and other urgent life-saving measures; or

(iii) to carry out noncombatant evacuations; or

(B) is vital to the national security interests of the United States.

(2) Notification Requirement.—The Secretary of Defense shall notify the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate of any contract entered into on the basis of an exception provided for under paragraph (1).

(d) Office of Foreign Assets Control Licenses.—The prohibition in subsection (a) shall not apply to a person that has a valid license to operate in Venezuela issued by the Office of Foreign Assets Control.

(e) American Diplomatic Mission in Venezuela.—The prohibition in subsection (a) shall not apply to contracts related to the operation and mainte-
inance of the United States Government’s consular offices and diplomatic posts in Venezuela.

(f) APPLICABILITY.—This section shall apply with respect to any contract entered into on or after the date of the enactment of this section.

TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

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

SEC. 901. UPDATE OF AUTHORITIES RELATING TO NUCLEAR COMMAND, CONTROL, AND COMMUNICATIONS.

(a) DUTIES AND POWERS OF UNDER SECRETARY OF DEFENSE FOR ACQUISITION AND SUSTAINMENT.—Section 133b(b) of title 10, United States Code, is amended—

(1) by redesignating paragraphs (4), (5), (6), and (7) as paragraphs (5), (6), (7), and (8), respectively;

(2) by inserting after paragraph (3) the following new paragraph (4):

“(4) establishing policies for, and providing oversight, guidance, and coordination for, nuclear command and control systems;”; and
(3) in paragraph (6), as so redesignated, by inserting after “overseeing the modernization of nuclear forces” the following: “, including the nuclear command, control, and communications system,”.

(b) CHIEF INFORMATION OFFICER.—Section 142(b)(1) of such title is amended—

(1) by striking subparagraph (G); and

(2) by redesignating subparagraphs (H) and (I) as subparagraphs (G) and (H), respectively.

Subtitle B—Other Department of Defense Organization and Management Matters

SEC. 911. CODIFICATION OF ASSISTANT SECRETARIES FOR ENVIRONMENT, INSTALLATIONS, AND ENERGY OF THE ARMY, NAVY, AND AIR FORCE.

(a) ASSISTANT SECRETARY OF THE ARMY.—Section 7016(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(6)(A) One of the Assistant Secretaries shall be the Assistant Secretary for Installations, Energy, and Environment.

“(B) The principal duty of the Assistant Secretary for Installations, Energy, and Environment shall be the overall supervision of installation, energy, and environment matters for the Department of the Army.”.
(b) Assistant Secretary of the Navy.—Section 8016(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(5)(A) One of the Assistant Secretaries shall be the Assistant Secretary for Energy, Installations, and Environment.

“(B) The principal duty of the Assistant Secretary for Energy, Installations, and Environment shall be the overall supervision of installation, energy, and environment matters for the Department of the Navy.”.

(c) Assistant Secretary of the Air Force.—Section 9016(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(5)(A) One of the Assistant Secretaries shall be the Assistant Secretary for Installations, Environment, and Energy.

“(B) The principal duty of the Assistant Secretary for Installations, Environment, and Energy shall be the overall supervision of installation, energy, and environment matters for the Department of the Air Force.”.

SEC. 912. LIMITATION ON AVAILABILITY OF FUNDS FOR CONSOLIDATION OF DEFENSE MEDIA ACTIVITY.

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020
for the Department of Defense may be used to consolidate
the Defense Media Activity until a period of 180 days has
elapsed following the date of the enactment of this Act.

SEC. 913. MODERNIZATION OF CERTAIN FORMS AND SURVEYS.

(a) STUDY.—The Secretary of Defense shall conduct
a study to identify each form and survey of the Depart-
ment of Defense, in use on the date of the enactment of
this Act, that contains a term or classification that the
Secretary determines may be considered racially or eth-
nically insensitive.

(b) REPORTS.—

(1) INTERIM REPORTS.—On the date that is 90
days after the date of the enactment of this Act, and
on the date that is 180 days after such date of en-
actment, the Secretary shall submit to the Commit-
tees on Armed Services of the House of Representa-
tives and the Senate a report on the status of the
study conducted under subsection (a).

(2) FINAL REPORT.—Not later than one year
after the date of the enactment of this Act, the Sec-
retary shall submit to the Committees on Armed
Services of the House of Representatives and the
Senate a report on the results of the study con-
ducted under subsection (a) that includes—
(A) a list of each form and survey identified under such study; and

(B) a plan for modernizing the terms and classifications contained in such forms and surveys, including legislative recommendations.

(c) MODERNIZATION REQUIRED.—Not later than 18 months after the date of the enactment of this Act, the Secretary shall carry out the plan included in the report submitted under subsection (b).

Subtitle C—Space Matters

PART I—UNITED STATES SPACE CORPS

SEC. 921. ESTABLISHMENT OF UNITED STATES SPACE CORPS IN THE DEPARTMENT OF THE AIR FORCE.

(a) ESTABLISHMENT.—Part I of subtitle D of title 10, United States Code, is amended by adding at the end the following new chapter:

“CHAPTER 909—THE SPACE CORPS

Sec.

9091. Establishment of the Space Corps.
9093. Commandant of the Space Corps.
9095. Officer career field for space.

“§ 9091. Establishment of the Space Corps

(a) ESTABLISHMENT.—There is established a United States Space Corps as an armed force within the Department of the Air Force.
“(b) COMPOSITION.—(1) The Space Corps shall be composed of the following:

“(A) The Commandant of the Space Corps.

“(B) The space forces and such assets as may be organic therein.

“(2)(A) The space forces specified in paragraph (1)(B) shall include the personnel and assets of the Air Force transferred to the Space Corps pursuant to the National Defense Authorization Act for Fiscal Year 2020.

“(B) The space forces specified in paragraph (1)(B) may not include the personnel or assets of the National Reconnaissance Office or the National Geospatial-Intelligence Agency. Nothing in this section shall affect the authorities, duties, or responsibilities of the Director of the National Reconnaissance Office and the Director of the National Geospatial-Intelligence Agency, including with respect to the authority of each such Director to—

“(i) carry out the research, development, test, and evaluation and procurement of satellites and user satellite terminals of the Defense Agency of the Director;

“(ii) operate such terminals; and

“(iii) develop requirements to ensure that the space programs of the Department of Defense support the mission of the Director.
“(c) FUNCTIONS.—The Space Corps shall be organized, trained, and equipped to provide—

“(1) freedom of operation for the United States in, from, and to space; and

“(2) prompt and sustained space operations.

“(d) DUTIES.—It shall be the duty of the Space Corps to—

“(1) protect the interests of the United States in space;

“(2) deter aggression in, from, and to space; and

“(3) conduct space operations.

“(e) ACQUISITION SYSTEM.—(1) The Secretary of the Air Force may establish a separate, alternative acquisition system for defense space acquisitions, including with respect to procuring space vehicles, ground segments relating to such vehicles, and satellite terminals, pursuant to the plan specified in paragraph (2).

“(2) The Deputy Secretary of Defense shall develop the plan, and submit such plan to the congressional defense committees, under section 1601(b) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2103).

“(3) The alternative acquisition system under paragraph (1) shall cover defense space acquisitions except
with respect to the National Reconnaissance Office and
other elements of the Department of Defense that are ele-
ments of the intelligence community (as defined in section
3 of the National Security Act of 1947 (50 U.S.C. 3003)).

“(f) PERSONNEL DEVELOPMENT.—(1) The Sec-
retary may ensure the quality of the members of the Space
Corps pursuant to the plan specified in paragraph (2) and
section 9095 of this title.

“(2) The Secretary shall develop the plan, and submit
such plan to the congressional defense committees, under
section 1601(c) of the John S. McCain National Defense
Authorization Act for Fiscal Year 2019 (Public Law 115–
232; 132 Stat. 2103).

“(3) In carrying out paragraph (1), the Secretary
shall address the following:

“(A) Managing the career progression of mem-
ers of the Space Corps and civilian employees of
the Space Corps throughout the military or civilian
career of the member or the employee, as the case
may be, including with respect to—

“(i) defining career professional mile-
stones;

“(ii) pay and incentive structures;

“(iii) the management and oversight of the
Space Corps;
“(iv) training relating to planning and executing warfighting missions and operations in space;

“(v) conducting periodic Space Corps-wide professional assessments to determine how the Space Corps is developing as a group; and

“(vi) establishing a centralized method to control personnel assignments and distribution.

“(B) The identification of future space-related career fields that the Secretary determines appropriate, including a space acquisition career field.

“(C) The identification of any overlap that exists among operations and acquisitions career fields to determine opportunities for cross-functional career opportunities.

“§ 9093. Commandant of the Space Corps

“(a) APPOINTMENT.—(1) There is a Commandant of the Space Corps, appointed by the President, by and with the advice and consent of the Senate, from the general officers of the Air Force. The Commandant serves at the pleasure of the President.

“(2) The Commandant shall be appointed for a term of four years. In time of war or during a national emergency declared by Congress, the Commandant may be re-appointed for a term of not more than four years.
“(b) GRADE.—The Commandant, while so serving, has the grade of general without vacating the permanent grade of the officer.

“(c) RELATIONSHIP TO THE SECRETARY OF THE AIR FORCE.—Except as otherwise prescribed by law and subject to section 9013(f) of this title, the Commandant performs the duties of such position under the authority, direction, and control of the Secretary of the Air Force and is directly responsible to the Secretary.

“(d) DUTIES.—Subject to the authority, direction, and control of the Secretary of the Air Force, the Commandant shall—

“(1) exercise supervision, consistent with the authority assigned to commanders of unified or specified combatant commands under chapter 6 of this title, over such of the members and organizations of the Space Corps as the Secretary determines; and

“(2) perform such other military duties, not otherwise assigned by law, as are assigned to the Commandant by the President, the Secretary of Defense, or the Secretary of the Air Force.

“(e) JOINT CHIEFS OF STAFF.—(1) The Commandant shall also perform the duties prescribed for the Commandant as a member of the Joint Chiefs of Staff under section 151 of this title.
“(2) To the extent that such action does not impair the independence of the Commandant in the performance of the duties of the Commandant as a member of the Joint Chiefs of Staff, the Commandant shall inform the Secretary of the Air Force regarding military advice rendered by members of the Joint Chiefs of Staff on matters affecting the Department of the Air Force.

“(3) Subject to the authority, direction, and control of the Secretary of Defense, the Commandant shall keep the Secretary of the Air Force fully informed of significant military operations affecting the duties and responsibilities of the Secretary.”.

(d) CONFORMING AMENDMENTS.—

(1) JOINT CHIEFS OF STAFF.—

(A) MEMBERSHIP.—Section 151(a) of title 10, United States Code, is amended—

(i) by redesignating paragraph (7) as paragraph (8); and

(ii) by inserting after paragraph (6) the following new paragraph:

“(7) The Commandant of the Space Corps.”.

(B) APPOINTMENT.—Section 152(b)(1)(B) of such title is amended by striking “or the Commandant of the Marine Corps” and insert-
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(1) In section 9047, inserting “the Commandant of the Marine Corps, or the Commandant of the Space Corps”.

(2) OFFICER CAREERS.—Chapter 907 of such title is amended as follows:

(A) In section 9084, by striking “officers in the Air Force” and inserting “officers in the Space Corps”.

(B) By transferring section 9084, as amended by subparagraph (A), to chapter 909 and redesignating such section as section 9095.

(C) In the table of sections, by striking the item relating to section 9084.

(3) SECRETARY OF THE AIR FORCE.—Section 9013 of such title is amended—

(A) in subsection (f), by inserting “and Space Corps” after “Officers of the Air Force”; and

(B) in subsection (g)(1), by inserting “and Space Corps” after “members of the Air Force”.

(4) DEFINITIONS.—Section 101 of such title is amended—

(A) in subsection (a)—
(i) in paragraph (4), by inserting “Space Corps,” after “Marine Corps,”; and

(ii) in paragraph (9)(C), by inserting “and the Space Corps” after “concerning the Air Force”; and

(B) in subsection (b)—

(i) in paragraph (4), by striking “or Marine Corps” and inserting “Marine Corps, or Space Corps”; and

(ii) in paragraph (13), by striking “or Marine Corps” and inserting “Marine Corps, or Space Corps”.

(e) Clerical Amendment.—The table of chapters for part I of subtitle D of title 10, United States Code, is amended by adding at the end the following new item:

“909. The Space Corps”.

SEC. 922. TRANSFER OF PERSONNEL, FUNCTIONS, AND ASSETS TO THE SPACE CORPS.

(a) Transfers.—

(1) Transfer of military personnel.—

(A) In general.—The Secretary of Defense shall, during the transition period, transfer all covered military personnel to the Space Corps.
(B) Retention in Grade and Status.—

Covered military personnel transferred to the Space Corps pursuant to subparagraph (A) shall retain the grade and date of obtaining such grade that the individual person had before the date of the transfer unless otherwise altered or terminated in accordance with law.

(2) Transfer of Functions.—Except as otherwise directed by the Secretary of Defense, all functions, assets, and obligations of the space elements of the Air Force (including all property, records, installations, activities, facilities, agencies, and projects of such elements) shall be transferred to the Space Corps.

(b) Conforming Repeal.—

(1) In general.—Chapter 135 of title 10, United States Code, is amended by striking section 2279c.

(2) Clerical Amendment.—The table of sections at the beginning of such chapter is amended by striking the item relating to section 2279c.

(3) Effective Date.—The amendments made by paragraphs (1) and (2) shall take effect on the date on which the transition period terminates, as determined by the Secretary of Defense in accord-
ance with subsection (c), which date shall be not later than December 30, 2023.

(c) NOTICE TO CONGRESS.—Not later than 30 days before the date on which the transition period terminates, the Secretary of Defense shall submit to the congressional defense committees a certification that identifies the date on which transition period will terminate.

(d) DEFINITIONS.—In this section:

(1) The term “covered military personnel” means commissioned officers and enlisted members of the space elements of the Air Force who are assigned to such elements as of the date on which such officers and members are transferred under subsection (a)(1).

(2) The term “transition period” means a period prescribed by the Secretary of Defense that—

(A) begins on January 1, 2021; and

(B) ends not later than December 30, 2023.

SEC. 923. REPORTS ON SPACE CORPS.

(a) REPORT ON STRUCTURE OF SPACE CORPS.—

(1) IN GENERAL.—The Secretary of Defense shall submit to the congressional defense committees a report that includes a detailed plan for the organizational structure of the Space Corps.
(2) ELEMENTS.—The report required under paragraph (1) shall include—

(A) a detailed description of the structure and organizational elements required for the Space Corps to perform its mission;

(B) a detailed description of the organization and staff required to support the Commandant of the Space Corps;

(C) a detailed explanation of how establishment of the Space Corps is expected to affect the composition and function of the space elements of the Armed Forces;

(D) a description of how the Space Corps will be organized, trained, and equipped;

(E) a description of how the Space Corps will exercise acquisition authorities;

(F) a description of how the Space Corps will coordinate with the United States Space Command, the Space Development Agency, and other space elements of the Armed Forces; and

(G) any other matters determined to be appropriate by the Secretary.

(b) REPORT ON MILITARY PERSONNEL.—

(1) IN GENERAL.—The Secretary of Defense shall submit to the congressional defense committees
a report on the military personnel requirements of
the Space Corps.

(2) ELEMENTS.—The report required under
paragraph (1) shall include—

(A) a detailed plan setting forth—

(i) the proposed military personnel
composition and structure of the Space
Corps; and

(ii) plans for the transfer or reassign-
ment of military personnel from the space
elements of the Armed Forces to the Space
Corps;

(B) the number of officer and enlisted per-
sonnel to be transferred or reassigned to the
Space Corps by functional area;

(C) a detailed description of the billet re-
quirements for the Space Corps, including the
staff organizational and rank structure; and

(D) the number of additional officer and
enlisted billets that will be required for the
Space Corps and a description of such billets.

(c) REPORT ON CIVILIAN PERSONNEL.—

(1) IN GENERAL.—The Secretary of Defense
shall submit to the congressional defense committees
a report on the civilian personnel requirements of
the Space Corps.

(2) ELEMENTS.—The report required under
paragraph (1) shall include—

(A) an assessment of the projected size of
the civilian workforce of the Space Corps in fis-
cal year 2021 and in each fiscal year covered by
the most recent future-years defense program
submitted to Congress under section 221 of
title 10, United States Code;

(B) a detailed explanation of any projected
changes to the size of the civilian workforce of
the Space Corps from year-to-year; and

(C) a detailed plan for the transfer of civil-
ian personnel from the space elements of the
Armed Forces to the Space Corps.

(d) REPORT ON TRANSFER OF FUNCTIONS AND AS-
SETS.—

(1) IN GENERAL.—The Secretary of Defense
shall submit to the congressional defense committees
a report that includes a detailed plan for the trans-
fer of the functions, assets, and obligations of the
space elements of the Armed Forces (including any
property, records, installations, activities, facilities,
agencies, and projects of such elements) to the
Space Corps in accordance with section 922.

(2) ELEMENTS.—The report required under
paragraph (1) shall include—

(A) a detailed list of the functions and as-
sets to be transferred;

(B) a justification for each transfer pro-
posed to be made under subparagraph (A);

(C) the location and value of each item
proposed to be transferred under subparagraph
(A); and

(D) the date on which each item is ex-
pected to be transferred.

(e) REPORT ON FUNDING REQUIREMENTS.—

(1) IN GENERAL.—The Secretary of Defense
shall submit to the congressional defense committees
a report on the funding requirements for the Space
Corps.

(2) ELEMENTS.—The report required under
paragraph (1) shall include a detailed estimate of
the funding that will be required to establish the
Space Corps and to conduct the activities and oper-
ations of the Corps, including estimated expendi-
tures and proposed appropriations for each of fiscal
years 2021 through 2025 as follows:
(A) With respect to procurement accounts—

(i) amounts displayed by account, budget activity, line number, line item, and line item title; and

(ii) a description of the requirements for each such amount specific to the Space Corps.

(B) With respect to research, development, test, and evaluation accounts—

(i) amounts displayed by account, budget activity, line number, program element, and program element title; and

(ii) a description of the requirements for each such amount specific to the Space Corps.

(C) With respect to operation and maintenance accounts—

(i) amounts displayed by account title, budget activity title, line number, and sub-activity group title; and

(ii) a description of how such amounts will specifically be used.

(D) With respect to military personnel accounts—
(i) amounts displayed by account, budget activity, budget sub-activity, and budget sub-activity title; and
(ii) a description of the requirements for each such amount specific to the Space Corps.

(E) With respect to each project under military construction accounts (including with respect to unspecified minor military construction and amounts for planning and design), the country, location, project title, and project amount by fiscal year.

(F) With respect to any expenditures and proposed appropriations not included the materials submitted under subparagraphs (A) through (E), an explanation with a level of detail equivalent to or greater than the level of detail provided in the future-years defense program submitted to Congress under section 221 of title 10, United States Code.

(3) FORM OF REPORT.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(f) DEADLINE FOR SUBMITTAL.—Each of the reports required under subsections (a) through (e) shall be sub-
mitted to the congressional defense committees not later than February 1, 2020.

SEC. 924. SPACE NATIONAL GUARD.

The Secretary of Defense may not transfer any personnel or resources from any reserve components, including the National Guard, to the Space Corps established by section 921 until the date on which a Space National Guard of the United States has been established by law.

SEC. 925. EFFECTS ON MILITARY INSTALLATIONS.

Nothing in this part, or the amendments made by this part, shall be construed to authorize or require the relocation of any facility, infrastructure, or military installation of the Air Force.

PART II—OTHER SPACE MATTERS

SEC. 931. UNITED STATES SPACE COMMAND.

(a) Restoration of General Authority for Establishment of Unified Command.—

(1) In general.—Section 169 of title 10, United States Code, is repealed.

(2) Clerical amendment.—The table of sections at the beginning of chapter 6 of title 10, United States Code, is amended by striking the item relating to section 169.

(b) Conforming Amendment.—Section 2273a(d)(3) of title 10, United States Code, is amended
by striking “The Commander of the United States Strategic Command, acting through the United States Space Command,” and inserting “The Commander of the United States Space Command, or, if no such command exists, the Commander of the United States Strategic Command,”.

TITLE X—GENERAL PROVISIONS
Subtitle A—Financial Matters

SEC. 1001. GENERAL TRANSFER AUTHORITY.

(a) Authority to Transfer Authorizations.—

(1) Authority.—Upon determination by the Secretary of Defense that such action is necessary in the national interest, the Secretary may transfer amounts of authorizations made available to the Department of Defense in this division for fiscal year 2019 between any such authorizations for that fiscal year (or any subdivisions thereof). Amounts of authorizations so transferred shall be merged with and be available for the same purposes as the authorization to which transferred.

(2) Limitation.—Except as provided in paragraph (3), the total amount of authorizations that the Secretary may transfer under the authority of this section may not exceed $1,000,000,000.
(3) Exception for transfers between military personnel authorizations.—A transfer of funds between military personnel authorizations under title IV shall not be counted toward the dollar limitation in paragraph (2).

(b) Limitations.—The authority provided by subsection (a) to transfer authorizations—

(1) may only be used to provide authority for items that have a higher priority than the items from which authority is transferred; and

(2) may not be used to provide authority for an item that has been denied authorization by Congress.

(e) Additional limitation on transfers for Drug Interdiction and Counter Drug Activities.—The authority provided by subsection (a) may not be used to transfer any amount to Drug Interdiction and Counter Drug Activities, Defense-wide.

(d) Effect on authorization amounts.—A transfer made from one account to another under the authority of this section shall be deemed to increase the amount authorized for the account to which the amount is transferred by an amount equal to the amount transferred.
(e) Notice to Congress.—The Secretary shall promptly notify Congress of each transfer made under subsection (a).

(f) Certification Requirement.—The authority to transfer any authorization under this section may not be used until the Secretary of Defense and the head of each entity affected by such transfer submits to the congressional defense committees certification in writing that—

(1) the amount transferred will be used for higher priority items, based on unforeseen military requirements, than the items from which authority is transferred; and

(2) the amount transferred will not be used for any item for which funds have been denied authorization by Congress.

SEC. 1002. ADDITIONAL REQUIREMENTS FOR ANNUAL REPORT AND BRIEFING ON FINANCIAL IMPROVEMENT AND AUDIT REMEDIATION PLAN.

Section 240b(b) of title 10, United States Code, is amended—

(1) in paragraph (1)(B)(iv), by adding at the end the following new subclause:
“(IV) 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 that displays—

“(aa) in-service, retirement, and other pertinent dates for affected defense business systems; 

“(bb) current cost-to-complete estimates for each affected system; and 

“(cc) dependencies both between the various defense business systems and between the introduction, replacement, update, modification, and retirement of such systems.”;

(2) in paragraph (2), by adding at the end the following new sentence: “Such briefing shall also include a description of any updates to the defense business systems roadmap referred to in paragraph (1)(B)(iv)(IV).”; and
(3) by amending paragraph (3) to read as follows:

“(3) DEFINITIONS.—In this subsection:


“(B) The term ‘defense business system’ has the meaning given such term in section 2222(i)(1)(A) of this title.”.

SEC. 1003. FINANCIAL IMPROVEMENT AND AUDIT REMEDIATION PLAN.

(a) ELEMENTS OF ANNUAL REPORT.—Subsection (b)(1)(B) of section 240b of title 10, United States Code, is amended—

(1) in clause (vii)—

(A) by striking “or if less than 50 percent of the audit remediation services”; and

(B) by striking “and audit remediation activities”; and

(2) in clause (viii), by striking “or if less than 25 percent of the audit remediation services”.

(3) by amending paragraph (3) to read as follows:

“(3) DEFINITIONS.—In this subsection:


“(B) The term ‘defense business system’ has the meaning given such term in section 2222(i)(1)(A) of this title.”.

SEC. 1003. FINANCIAL IMPROVEMENT AND AUDIT REMEDIATION PLAN.

(a) ELEMENTS OF ANNUAL REPORT.—Subsection (b)(1)(B) of section 240b of title 10, United States Code, is amended—

(1) in clause (vii)—

(A) by striking “or if less than 50 percent of the audit remediation services”; and

(B) by striking “and audit remediation activities”; and

(2) in clause (viii), by striking “or if less than 25 percent of the audit remediation services”.

(3) by amending paragraph (3) to read as follows:

“(3) DEFINITIONS.—In this subsection:


“(B) The term ‘defense business system’ has the meaning given such term in section 2222(i)(1)(A) of this title.”.
(b) SEMIANNUAL BRIEFINGS.—Subsection (b)(2) of such section is amended by striking “or audit remediation”.

(c) AUDIT REMEDIATION SERVICES.—Subsection (b) of such section is further amended—

(1) in paragraph (1)(B), by adding at the end the following new clauses:

“(ix) If less than 50 percent of the audit remediation services under contract, as described in the briefing required under paragraph (2)(B), are being performed by individual professionals meeting the qualifications described in subsection (c), a detailed description of the risks associated with the risks of the acquisition strategy of the Department with respect to conducting audit remediation activities and an explanation of how the strategy complies with the policies expressed by Congress.

“(x) If less than 25 percent of the audit remediation services under contract, as described in the briefing required under paragraph (2)(B), are being performed by individual professionals meeting the qualifications described in subsection (c), a
written certification that the staffing ratio
complies with commercial best practices
and presents no increased risk of delay in
the Department’s ability to achieve a clean
audit opinion.”; and

(2) in paragraph (2)—

(A) by striking “Not later” and inserting
“(A) Not later”; and

(B) by adding at the end the following new
subparagraph:

“(B) Not later than January 31 and June 30
each year, the Under Secretary of Defense (Comptroller) and the comptrollers of the military departments shall provide a briefing to the congressional
defense committees on the status of the corrective
action plan. Such briefing shall include both the absolute number and percentage of personnel performing the amount of audit remediation services being performed by professionals meeting the qualifications described in subsection (c).”.

(d) Selection of Audit Remediation Services.—Such section is further amended by adding at the end the following new subsection:

“(e) Selection of Audit Remediation Services.—The selection of audit remediation service pro-
1 providers shall be based, among other appropriate criteria, 2 on qualifications, relevant experience, and capacity to de- 3 velop and implement corrective action plans to address in- 4 ternal control and compliance deficiencies identified dur- 5 ing a financial statement or program audit.”.

6 SEC. 1004. REPORTING REQUIREMENTS RELATING TO DE- 7 PARTMENT OF DEFENSE AUDITS.

8 (a) ANNUAL REPORT.—

9 (1) IN GENERAL.—Chapter 9A of title 10, 10 United States Code, is amended by adding at the 11 end the following new section:

12 “§ 240g. Annual report on auditable financial state-
13 ments

14 “(a) IN GENERAL.—Not later than January 30 of 15 each year, the Secretary of Defense shall submit to the 16 congressional defense committees a report ranking each 17 of the military departments and Defense Agencies in order 18 of how advanced they are in achieving auditable financial 19 statements as required by law. In preparing the report, 20 the Secretary shall seek to exclude information that is oth- 21 erwise available in other reports to Congress.

22 “(b) BOTTOM QUARTILE.—Not later than June 30 23 of each year, the head of each of the military departments 24 and Defense Agencies that were ranked in the bottom 25 quartile of the report submitted under subsection (a) for
that year shall submit to the congressional defense committees a report that includes the following information for that military department or Defense Agency:

“(1) A description of the material weaknesses of the military department or Defense Agency.

“(2) The underlying causes of such weaknesses.

“(3) A plan for remediating such weaknesses.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“240g. Annual report on auditable financial statements.”.

(b) LIMITATION ON USE OF FUNDS.—Of the amounts authorized to be appropriated or otherwise made available by this Act for travel of persons for the head of a military department or Defense Agency described in subsection (b) of section 240g of title 10, United States Code, as added by subsection (a), for fiscal year 2020, not more than 80 percent may be obligated or expended before the submittal of the report required under that subsection for that military department or Defense Agency.

(c) PLAN FOR ACHIEVING UNMODIFIED AUDIT OPINION ON CONSOLIDATED AUDIT.—

(1) REPORT REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report containing the
plan of the Secretary for achieving an unmodified
audit opinion of the Department of Defense-wide
consolidated audit by not later than five years after
the date of the enactment of this Act.

(2) Limitation on Use of Funds.—Of the
amounts authorized to be appropriated or otherwise
made available by this Act for Operation and Main-
tenance, Defense-Wide, Office of the Secretary of
Defense, for Travel of Persons for fiscal year 2020,
not more than 70 percent may be obligated or ex-
pended before the date on which the Secretary sub-
mits the report required under paragraph (1).

SEC. 1005. ANNUAL BUDGET JUSTIFICATION DISPLAY FOR
SERVICE-COMMON AND OTHER SUPPORT
AND ENABLING CAPABILITIES FOR SPECIAL
OPERATIONS FORCES.

(a) In General.—Chapter 9 of title 10, United
States Code, is amended by inserting after section 225 the
following new section:

“§ 226. Special operations forces: display of service-
common and other support and enabling
capabilities

“(a) In General.—The Secretary shall include, in
the budget materials submitted to Congress under section
1105 of title 31 for fiscal year 2021 and any subsequent
fiscal year, a consolidated budget justification display showing service-common and other support and enabling capabilities for special operations forces requested by a military service or Defense Agency. Such budget justification display shall include any amount for service-common or other capability development and acquisition, training, operations, pay, base operations sustainment, and other common services and support.

“(b) SERVICE-COMMON AND OTHER SUPPORT AND ENABLING CAPABILITIES.—In this section, the term ‘service-common and other support and enabling capabilities’ means capabilities provided in support of special operations that are not reflected in Major Force Program or designated as special operations forces-peculiar.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 225 the following new item:

“226. Special operations forces: display of service-common programs and activities.”.

SEC. 1006. DETERMINATION OF BUDGETARY EFFECTS.

The budgetary effects of this Act, for the purpose of complying with the Statutory Pay-As-You-Go Act of 2010, shall be determined by reference to the latest statement titled “Budgetary Effects of PAYGO Legislation” for this Act, submitted for printing in the Congressional Record
by the Chairman of the House Budget Committee, pro-
vided that such statement has been submitted prior to the
vote on passage.

SEC. 1007. INDEPENDENT PUBLIC ACCOUNTANT AUDIT OF
FINANCIAL SYSTEMS OF THE DEPARTMENT
OF DEFENSE.

The Secretary of Defense shall ensure that each
major implementation of, or modification to, a financial
system of the Department of Defense is reviewed by an
independent public accountant to validate that such finan-
cial system will meet any applicable Federal requirements.

Subtitle B—Counterdrug Activities

SEC. 1011. MODIFICATION OF AUTHORITY TO PROVIDE
SUPPORT TO OTHER AGENCIES FOR
COUNTERDRUG ACTIVITIES AND ACTIVITIES
TO COUNTER TRANSNATIONAL ORGANIZED
CRIME.

(a) Types of Support.—Paragraph (7) of sub-
section (b) of section 284 of title 10, United States Code,
is amended—

(1) by striking “and fences”; and

(2) by striking “to block” and inserting
“along”.

(b) Congressional Notification.—Subsection
(h)(1) of such section is amended—
(1) by redesignating subparagraphs (A) and (B) as subparagraphs (B) and (C), respectively; and

(2) by inserting before subparagraph (B), as so redesignated, the following new subparagraph (A):

“(A) In case of support for a purpose described in subsection (b)—

“(i) an identification of the recipient of the support;

“(ii) a description of the support provided;

“(iii) a description of the sources and amounts of funds used to provide such support;

“(iv) a description of the amount of funds obligated to provide such support;

“(v) an assessment of the efficacy and cost-effectiveness of such support in advancing the objectives and strategy of the department or agency to which the support will be provided;

“(vi) any document describing a request for assistance from any other department or agency of the United States and any response to such a request from another department or agency of the United
States to which support will be provided; and

“(vii) in the case of any support for a purpose described under subsection (b)(7), metrics and analysis that establish that an area is a drug smuggling corridor.”.

**SEC. 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.**

Section 1014 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended—

(1) by striking “section 371 of title 10, United States Code” each place it appears and inserting “section 271 of title 10, United States Code”; and

(2) in subsection (d)(3) by striking “January 31, 2020” and inserting “December 31, 2022”.


SEC. 1013. REPEAL OF SECRETARY OF DEFENSE REVIEW OF CURRICULA AND PROGRAM STRUCTURES OF NATIONAL GUARD COUNTERDRUG SCHOOLS.


(1) by striking subsection (e); and

(2) by redesignating subsections (f) through (h) as subsections (e) through (g), respectively.

Subtitle C—Naval Vessels and Shipyards

SEC. 1021. TRANSPORTATION BY SEA OF SUPPLIES FOR THE ARMED FORCES AND DEFENSE AGENCIES.

Section 2631 of title 10, United States Code, is amended—

(1) in the first sentence of subsection (a), by inserting “or for a Defense Agency” after “Marine Corps”; and

(2) in subsection (b)—

(A) by redesignating paragraphs (2) and (3) as paragraphs (3) and (4), respectively;

(B) by inserting after paragraph (1) the following new paragraph (2):

“(2) Before entering into a contract for the transportation by sea of fuel products under this section, the Sec-
retary shall provide a minimum variance of three days on
the shipment date.”; and
(C) in paragraph (4), as redesignated by
subparagraph (A), by striking “the requirement
described in paragraph (1)” and insert “a re-
requirement under paragraph (1) or (2)”.

SEC. 1022. USE OF NATIONAL DEFENSE SEALIFT FUND FOR
PROCUREMENT OF TWO USED VESSELS.
Pursuant to section 2218(f)(3) of title 10, United
States Code, and using amounts authorized to be appro-
priated for Operation and Maintenance, Navy, for fiscal
year 2020, the Secretary of the Navy shall seek to enter
into a contract for the procurement of two used vessels.

SEC. 1023. FORMAL SCHOOLHOUSE TRAINING FOR SHIP-
BOARD SYSTEM PROGRAMS OF RECORD.
(a) In General.—The Secretary of the Navy shall
ensure that there is a formal schoolhouse available at
which training is provided in any shipboard system that
is program of record on Navy surface vessels.
(b) Timeline for Implementation.—
(1) Current Programs.—In the case of any
shipboard system program of record that is in use
as of the date of the enactment of this Act for which
no formal schoolhouse is available, the Secretary
shall ensure that such a schoolhouse is available for
the provision of training in such program by not later than 12 months after the date of the enactment of this Act.

(2) Future Programs.—In the case of any shipboard system program of record that is first used after the date of the enactment of this Act, the Secretary shall ensure that a formal schoolhouse is established for the provision of training in such program by not later than 12 months after the date on which the shipboard system program of record is first used.

SEC. 1024. REPORT ON SHIPBUILDER TRAINING AND THE DEFENSE INDUSTRIAL BASE.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on shipbuilder training and hiring requirements necessary to achieve the Navy’s 30-year shipbuilding plan and to maintain the shipbuilding readiness of the defense industrial base. Such report shall include each of the following:

(1) An analysis and estimate of the time and investment required for new shipbuilders to gain proficiency in particular shipbuilding occupational specialties, including detailed information about the
occupational specialty requirements necessary for construction of naval surface ship and submarine classes to be included in the Navy’s 30-year shipbuilding plan.

(2) An analysis of the age demographics and occupational experience level (measured in years of experience) of the shipbuilding defense industrial workforce.

(3) An analysis of the potential time and investment challenges associated with developing and retaining shipbuilding skills in organizations that lack intermediate levels of shipbuilding experience.

(4) Recommendations concerning how to address shipbuilder training during periods of demographic transition, including whether emerging technologies, such as augmented reality, may aid in new shipbuilder training.

(5) Recommendations concerning how to encourage young adults to enter the defense shipbuilding industry and to develop the skills necessary to support the shipbuilding defense industrial base.
Subtitle D—Counterterrorism

SEC. 1031. EXTENSION OF AUTHORITY FOR JOINT TASK FORCES TO PROVIDE SUPPORT TO LAW ENFORCEMENT AGENCIES CONDUCTING COUNTER-TERRORISM ACTIVITIES.


(b) Technical Corrections.—Subsection (e) of such section is amended—

(1) in paragraph (1), by inserting a period at the end; and

(2) by adding at the end the following paragraph (2):

“(2) For purposes of applying the definition of transnational organized crime under paragraph (1) to this section, the term ‘illegal means’, as it appears in such definition, includes the trafficking of money, human trafficking, illicit financial flows, illegal trade in natural resources and wildlife, trade in illegal drugs and weapons, and other forms of illegal means determined by the Secretary of Defense.”.
SEC. 1032. PROHIBITION ON USE OF FUNDS FOR TRANSFER OR RELEASE OF INDIVIDUALS DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA, TO CERTAIN COUNTRIES.

No amounts authorized to be appropriated or otherwise made available for the Department of Defense may be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2020, to transfer, release, or assist in the transfer or release of any individual detained in the custody or under the control of the Department of Defense at United States Naval Station, Guantanamo Bay, Cuba, to the custody or control of any country, or any entity within such country, as follows:

1. Libya.
2. Somalia.
4. Yemen.
5. Mexico.
10. Cuba.
11. Iran.
12. Russia.
SEC. 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.

(a) Prohibition on Use of Funds.—No amounts authorized to be appropriated or otherwise made available to the Department of Defense may be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2020, to—

(1) detain or provide assistance relating to the detention of any individual, including any United States citizen, pursuant to the law of war or a proceeding under chapter 47A of title 10, United States Code, at United States Naval Station, Guantanamo Bay, Cuba; or

(2) transfer or provide assistance relating to the transfer of any individual, including any United States citizen, for the purpose of detaining such individual pursuant to the law of war or a proceeding under chapter 47A of title 10, United States Code, at United States Naval Station, Guantanamo Bay, Cuba.
(b) EXCEPTION.—The prohibition in subsection (a) shall not apply to an individual who is or was detained pursuant to the law of war or a Military Commissions Act proceeding on or after May 2, 2018, at United States Naval Station, Guantanamo Bay, Cuba, by the Department of Defense.

(e) DISPOSITION PLAN.—Not later than 60 days after the date of the enactment of this Act, the Attorney General, in consultation with the Secretary of Defense, shall submit to the congressional defense committees a plan identifying a disposition, other than continued law of war detention at United States Naval Station, Guantanamo Bay, Cuba, for each individual detained at United States Naval Station, Guantanamo Bay, Cuba, as of the date of the enactment of this Act.

SEC. 1034. SENSE OF CONGRESS REGARDING THE PROVISION OF MEDICAL CARE TO INDIVIDUALS DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA.

(a) FINDINGS.—Congress makes the following findings:

(1) The individuals detained at United States Naval Station, Guantanamo Bay, Cuba, are aging, and such individuals are increasingly subject to a
number of health conditions exacerbated by age and the circumstances of their cases.

(2) Expeditionary medical treatment of individuals detained at United States Naval Station, Guantanamo Bay, Cuba, is logistically challenging and increasingly costly, especially treatment related to complex ailments that may become exacerbated with age.

(3) Medical care at United States Naval Station, Guantanamo Bay, Cuba, is likely to become an increasing challenge for the United States Government.

(4) Medical challenges at United States Naval Station, Guantanamo Bay, Cuba, also cause difficulties affecting the functions and processes of the military commissions and periodic review boards.

(b) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the United States has an ongoing obligation to provide medical care to individuals detained at United States Naval Station, Guantanamo Bay, Cuba, meeting appropriate standards of care; and

(2) 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, in determining the policies of the Department of Defense regarding the provision of medical care to individuals detained at United States Naval Station, Guantanamo Bay, Cuba.

SEC. 1035. INDEPENDENT ASSESSMENT ON GENDER AND COUNTERING VIOLENT EXTREMISM.

(a) IN GENERAL.—The Secretary of Defense shall seek to enter into a contract with a nonprofit entity or a federally funded research and development center independent of the Department of Defense to conduct research and analysis on the intersection of gender and violent extremism and terrorism.

(b) ELEMENTS.—The research and analysis conducted under subsection (a) shall include research and analysis of the following:

(1) The root and proximate causes of women’s participation in terrorist and violent extremist organizations.

(2) Ways for the Department of Defense to engage women and girls who are vulnerable to extremist and terrorist behavior.

(3) Ways women and girls can assist the Armed Forces and partner military organizations in identifying individuals of concern.
(4) The intersection of violent extremism and terrorism and the following:

(A) Gender-based violence.

(B) Women’s empowerment at the household level, such as property and inheritance rights, bride-price and dowry, and the level of societal sanction for the killing or harming of women.

(C) Adolescent girls’ empowerment, such as the level of early, child, and forced marriage, and of girls’ access to secondary education.

(5) Best practices for the Armed Forces to support women preventing and countering violent extremism and terrorism.

(6) Any other matters the Secretary of Defense determines to be appropriate.

(c) Utilization.—The Secretary of Defense shall utilize the results of the research conducted under subsection (a) to inform each geographic combatant command’s strategy report and individual country strategy reports, where appropriate.

(d) Reports.—

(1) Report to Secretary.—Not later than one year after the date of the enactment of this Act, the nonprofit entity or federally funded research and
development center with which the Secretary of Defense enters into contract under subsection (a) shall submit to the Secretary of Defense a report that contains the assessment required by subsection (a).

(2) REPORT TO CONGRESS.—Not later than two years after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on the results of research conducted under subsection (a).

Subtitle E—Miscellaneous Authorities and Limitations

SEC. 1041. SCHEDULING OF DEPARTMENT OF DEFENSE EXECUTIVE AIRCRAFT CONTROLLED BY SECRETARIES OF MILITARY DEPARTMENTS.

(a) IN GENERAL.—Chapter 2 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 120. Department of Defense executive aircraft controlled by Secretaries of military departments

“(a) IN GENERAL.—The Secretary of Defense shall ensure that the Chief of the Air Force Special Air Mission Office is given the responsibility for scheduling all Department of Defense executive aircraft controlled by the Secretaries of the military departments.
“(b) Responsibilities.—(1) The Secretary of each of the military departments shall ensure that there is representation from each of the armed forces within the Air Force Special Air Mission Office to provide for daily management and scheduling of the aircraft controlled by that military department.

“(2) The Secretary of Defense shall be responsible for resolving conflicts and arbitrating the allocation of aircraft based on demand and priority.

“(c) Limitations.—(1) The Secretary of Defense may not establish a new command and control organization to support aircraft controlled by the Secretary of a military department.

“(2) No aircraft controlled by the Secretary of a military department may be permanently stationed at any location without required users.

“(d) Definitions.—In this section:

“(1) The term ‘required use traveler’ has the meaning given such term in Department of Defense directive 4500.56, as in effect on the date of the enactment of this section.

“(2) The term ‘executive aircraft’ has the meaning given such term in Department of Defense directive 4500.43, as in effect on the date of the enactment of this section.”.
(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“120. Department of Defense executive aircraft controlled by Secretaries of military departments.”.

SEC. 1042. EXPLOSIVE ORDNANCE DEFENSE DISPOSAL PROGRAM.

(a) ROLES, RESPONSIBILITIES, AND AUTHORITIES.—

Subsection (b) of section 2284 of title 10, United States Code, is amended—

(1) in paragraph (1)—

(A) in subparagraph (B), by inserting “and” after the semicolon;

(B) in subparagraph (C),

(i) by striking “joint program executive officer who” and inserting “training and technology program that”; 

(ii) by inserting “, provides common individual training,” after “explosive ordnance disposal”;

(iii) by striking “and procurement”; 

(iv) by inserting “for common tools” after “activities”; 

(v) by striking “and combatant com-
(vi) by inserting “and” after the semi-
colon; and

(C) by striking subparagraphs (D) and

(E);

(2) in paragraph (2), by striking “such as
weapon systems, manned and unmanned vehicles
and platforms, cyber and communication equipment,
and the integration of explosive ordnance disposal
sets, kits and outfits and explosive ordnance disposal
tools, equipment, sets, kits, and outfits developed by
the department.” and inserting “; and”; and

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

“(3) the Secretary of the Army shall designate
an Army explosive ordnance disposal-qualified gen-
eral officer to serve as the co-chair of the Depart-
ment of Defense explosive ordnance disposal defense
program.”.

(b) DEFINITIONS.—Such section is further amended
by adding at the end the following new subsection:

“(d) DEFINITIONS.—In this section:

“(1) The term ‘explosive ordnance’ has the
meaning given such term in section 283(d) of this
title.
“(2) The term ‘explosive ordnance disposal’ means the detection, identification, on-site evaluation, rendering safe, exploitation, recovery, and final disposal of explosive ordnance.”.

SEC. 1043. NOTIFICATION ON THE PROVISION OF DEFENSE SENSITIVE SUPPORT.

Section 1055(b) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 113 note) is amended—

(1) in paragraph (2)—

(A) by redesignating subparagraph (C) as subparagraph (E); and

(B) by inserting after subparagraph (B) the following new subparagraphs:

“(C) A description of the required duration of the support.

“(D) A description of the initial costs for the support.”; and

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

“(5) SUSTAINMENT COSTS.—If the Secretary determines that sustainment costs will be incurred as a result of the provision of defense sensitive support, the Secretary, not later than 72 hours after the initial provision of such support, shall certify to
the congressional defense committees (and the con-
gressional intelligence committees with respect to
matters relating to members of the intelligence com-
community) that such sustainment costs will not inter-
fere with the ability of the Department to execute
operations, accomplish mission objectives, and main-
tain readiness.”.

SEC. 1044. MODIFICATION AND TECHNICAL CORRECTION

OF AUTHORITY FOR DEPLOYMENT OF MEM-
BERS OF THE ARMED FORCES TO THE
SOUTHERN LAND BORDER OF THE UNITED
STATES.

(a) Authority.—Subsection (a) of section 1059 of
the National Defense Authorization Act for Fiscal Year
2016 (Public Law 114–92; 129 Stat. 986; 10 U.S.C. 271
note prec.) is amended to read as follows:

“(a) Authority.—

“(1) In general.—The Secretary of Defense
may provide assistance to United States Customs
and Border Protection for purposes of increasing on-
going efforts to secure the southern land border of
the United States in accordance with the require-
ments of this section.

“(2) Certification requirement.—If the
Secretary of Defense provides assistance under para-
graph (1), not later than 30 days before the provision of such assistance, the Secretary shall submit to the Committees on Armed Services of the Senate and House of Representatives certification, in writing, that—

“(A) the provision of the assistance will not negatively affect military training, operations, readiness, or other military requirement, including the readiness of the National Guard and reserve components; and

“(B) the tasks associated with the support provided align with the mission or occupational specialty of any members of the Armed Forces or units of the Armed Forces that are deployed; and

“(C) any task associated with the support is inherently governmental and cannot be performed by a contractor.

“(3) NOTIFICATION REQUIREMENT.—Not later than 30 days before the deployment of any member of the Armed Forces or unit of the Armed Forces to the southern land border of the United States in support United States Customs and Border Protection pursuant to this section or any other provision of law, the Secretary of Defense shall provide to the
Committees on Armed Forces of the Senate and House of Representatives notice of such deploy-
ment.”

(b) SUPPORT.—Subsection (e) of such section is amended—

(1) by striking “Of the amounts authorized to be appropriated for the Department of Defense by this Act, the” and inserting “The”; 

(2) by striking “use up to $75,000,000 to”; and 

(3) by inserting “on a reimbursable basis” after “subsection (a)”.

c) REPORTING REQUIREMENTS.—Subsection (f) of such section is amended to read as follows:

“(f) REPORTS.—

“(1) REPORT REQUIRED.—Not later than 30 days after the date on which any member of the Armed Forces is deployed along the southern land border of the United States at the request of the Secretary of Homeland Security, and every 90 days thereafter until no members are so deployed, the Secretary of Defense shall submit to the Committee on Armed Services and the Committee on Homeland Security and Governmental Affairs of the Senate and the Committee on Armed Services and the Com-
mitee on Homeland Security of the House of Rep-
resentatives a report that includes, for both the pe-
period covered by the report and the total period of the
deployment, each of the following:

“(A) An identification of each unit of the
Armed Forces so deployed, including for each
such unit—

“(i) the duty station or location to
which the unit is assigned;

“(ii) the unit designation;

“(iii) the size of the unit; and

“(iv) whether any personnel in the
unit deployed under section 12302 of title
10, United States Code.

“(B) An identification of any training ex-
cercises that were planned prior to such deploy-
ment that included deployed units and were
planned to be executed after the date of the de-
ployment.

“(C) For each unit so deployed, the readi-
ness rating of the unit before deployment and
15 days after the last day of such deployment.

“(D) The projected length of the deploy-
ment and any special pay and incentives for
which deployed personnel may qualify during
the deployment.
“(E) A description of any specific pre-deployment training provided to any individual or unit before being so deployed, including the location and duration of any such training.

“(F) A description of the rules and additional guidance applicable to the deployment, including—

“(i) any special instructions provided to units so deployed prior to deployment;

“(ii) the standing rules for the use of force for deployed personnel; and

“(iii) whether personnel carry assigned weapons and are issued ammunition.

“(G) A description of the life support conditions, including living quarters and food ration cycles, associated with such deployment and associated costs.

“(H) A map indicating the locations where units so deployed are housed.

“(I) A map indicating the locations where units so deployed are conducting their assigned mission and an explanation for the choice of such locations.
“(J) A description of the specific missions and tasks, by location, that are assigned to the members of the Armed Forces who are so deployed.

“(K) The total amount of funds obligated or expended to provide support along the southern border of the United States, including costs associated with personnel (set forth separately from any special pay and allowances), transportation, operations, and any materials used in support of any such deployment or support provided.

“(L) An assessment of the ongoing efficacy and cost-effectiveness of the provision of such assistance, including a comparison to the execution by United States Customs and Border Protection, the strategy and recommendations of the Secretary to address the challenges on the southern border of the United States and to enhance the effectiveness of such assistance, and a plan to transition the functions performed by the members of the Armed Forces pursuant to such assistance.

“(M) The justification of United States Customs and Border Protection determining
each location where the Department of Defense provides support under this section and any actions taken by the Department of Homeland Security to complete the mission or tasks before requesting support from the Department of Defense and determining when support from the Department of Defense is needed, including—

“(i) copies of any relevant documents that describe the factors taken into consideration in requesting support from the Department of Defense;

“(ii) the analysis that informs the placement of members of the Armed Forces along the southern land border of the United States; and

“(iii) any memorandum, including requests for assistance and responses to such requests, shared between the Department of Homeland Security and the Department of Defense regarding the need for the deployment of members of the Armed Forces along the southern land border of the United States.

“(2) FORM OF REPORT.—Each report submitted under this subsection shall be submitted in
unclassified form and without any designation relating to dissemination control, but may include a classified annex.”.

(d) TERMINATION OF AUTHORITY.—Such section is further amended by adding at the end the following new subsection:

“(g) TERMINATION.—The authority under this section shall terminate on September 30, 2023.”.

(e) CLASSIFICATION.—The Law Revision Counsel is directed to place this section in a note following section 284 of title 10, United States Code.

SEC. 1045. LIMITATION ON USE OF FUNDS FOR THE INACTIVATION OF ARMY WATERCRAFT UNITS.

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 may be obligated or expended for the inactivation of any Army watercraft unit until the Secretary of Defense submits to Congress certification that—

(1) the Secretary has completed the Army Watercraft Requirements Review;

(2) the Secretary has entered into a contract with a federally funded research and development corporation for the review of the ability of the Army to meet the watercraft requirements of the combatant commanders; and
(3) the federally funded research and development corporation has completed such review and validated the findings of such review.

SEC. 1046. PROHIBITION ON USE OF FUNDS FOR CONSTRUCTION OF A WALL, FENCE, OR OTHER PHYSICAL BARRIER ALONG THE SOUTHERN BORDER OF THE UNITED STATES.

(a) Prohibition.—National defense funds may not be obligated, expended, or otherwise used 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.

(b) National Defense Funds Defined.—In this section, the term “national defense funds” means—

(1) amounts authorized to be appropriated for any purpose in this division or authorized to be appropriated in division A of any National Defense Authorization Act for any of fiscal years 2015 through 2019, including any amounts of such an authorization made available to the Department of Defense and transferred to another authorization by the Secretary of Defense pursuant to transfer authority available to the Secretary; and
(2) funds appropriated in any Act pursuant to an authorization of appropriations described in paragraph (1).

SEC. 1047. EXPENDITURE OF FUNDS FOR DEPARTMENT OF DEFENSE INTELLIGENCE AND COUNTER-INTELLIGENCE ACTIVITIES.

(a) IN GENERAL.—Subject to subsections (b) and (c), the Secretary of Defense may expend amounts made available for the Military Intelligence Program for any of fiscal years 2020 through 2025 for intelligence and counterintelligence activities for any purpose the Secretary determines to be proper with regard to intelligence and counterintelligence objects of a confidential, extraordinary, or emergency nature. Such a determination is final and conclusive upon the accounting officers of the United States.

(b) LIMITATION ON AMOUNT.—The Secretary of Defense may not expend more than five percent of the amounts described in subsection (a) for any fiscal year for objects described in that subsection unless—

(1) the Secretary notifies the congressional defense committees and the congressional intelligence committees of the intent to expend the amounts and purpose of the expenditure; and
(2) 30 days have elapsed from the date on which the Secretary provides the notice described in paragraph (1).

(c) Certification.—For each expenditure of funds under this section, the Secretary shall certify that such expenditure was made for an object of a confidential, extraordinary, or emergency nature.

(d) Report.—Not later than December 31 of each of 2020 through 2025, the Secretary of Defense shall submit to the congressional defense committees and the congressional intelligence committees a report on expenditures made under this section during the fiscal year preceding the year in which the report is submitted. Each such report shall include, for each expenditure under this section during the fiscal year covered by the report, a description, the purpose, the program element, and the certification required under section (c).

(e) Limitation on Delegations.—The Secretary of Defense may not delegate the authority under this section with respect to any expenditure in excess of $75,000.

(f) Congressional Intelligence Committees Defined.—In this section, the term “congressional intelligence committees” means—

(1) the Select Committee on Intelligence of the Senate; and
(2) the Permanent Select Committee on Intelligence of the House of Representatives.

SEC. 1048. LIMITATION ON USE OF FUNDS TO HOUSE CHILDREN SEPARATED FROM PARENTS.

(a) In General.—None of the amounts authorized to be appropriated by this Act or otherwise made available to the Department of Defense for fiscal year 2020 may be used to house a child separated from a parent.

(b) Child Separated From a Parent.—

(1) In General.—For purposes of this section, a child shall not be considered to be separated from a parent if the separation is conducted by an agent or officer of Customs and Border Protection at or near a port of entry or within 100 miles of a border of the United States, and one of the following has occurred:

(A) A State court, authorized under State law, terminates the rights of the parent or legal guardian, determines that it is in the best interests of the child to be removed from the parent or legal guardian, in accordance with the Adoption and Safe Families Act of 1997 (Public Law 105–89), or makes any similar determination that is legally authorized under State law.
(B) An official from the State or county child welfare agency with expertise in child trauma and development makes a best interests determination that it is in the best interests of the child to be removed from the parent or legal guardian because the child is in danger of abuse or neglect at the hands of the parent or legal guardian, or is a danger to herself or others.

(C) The separation is authorized based on—

(i) the finding of a chief patrol agent or the area port director in an official and undelegated capacity that—

(I) the child is a victim of trafficking or is at significant risk of becoming a victim of trafficking;

(II) there is a strong likelihood that the adult is not the parent or legal guardian of the child; or

(III) the child is in danger of abuse or neglect at the hands of the parent or legal guardian, or is a danger to themselves or others; and
(ii) the review and reauthorization of
the separation by an independent child
welfare expert licensed by the State or
county in which the child was separated by
not later than 48 hours after the initial de-
cision by the Chief Patrol Agent or the
Area Port Director.

(2) Effect of failure to reauthorize.—
In the case of a separation referred to in paragraph
(1)(C)(ii), if the child welfare expert does not reau-
thorize such separation, the child shall be considered
separated from a parent for purposes of this sub-
section.

SEC. 1049. LIMITATION ON USE OF FUNDS FOR PROVIDING
HOUSING FOR UNACCOMPANIED ALIEN CHIL-
DREN.

(a) Limitation.—None of the funds authorized to
be appropriated by this Act or otherwise made available
for the Department of Defense may be used to provide
assistance to the Department of Health and Human Serv-
ices for the purpose of providing housing for unaccomp-
panied alien children unless the Secretary of Defense sub-
mits to Congress certification that—

(1) the proposed site for the housing meets the
standards of the Department of Health and Human
Services, including those provided under the Flores settlement agreement;

(2) identifies any known or potential environmental hazards at or near the proposed site;

(3) describes the actions taken or to be taken to mitigate any such hazard; and

(4) identifies any waivers or exceptions to standards of the Department of Health and Human Services, including the Flores settlement agreement, that have been requested or granted with regard to the site.

(b) DEFINITIONS.—In this section:

(1) The term “unaccompanied alien children” has the meaning given such term in section 462 of the Homeland Security Act of 2002 (6 U.S.C. 279)).

(2) The term “Flores settlement agreement” means the stipulated settlement agreement filed on January 17, 1997, in the United States District Court for the Central District of California in Flores v. Reno, CV 85–4544–RJK.

Subtitle F—National Defense Strategy Implementation

SEC. 1051. SHORT TITLE.

This subtitle may be cited as the “National Defense Strategy Implementation Act”.

SEC. 1052. REPORT ON OPERATIONAL CONCEPTS AND PLANS REGARDING STRATEGIC COMPETITORS.

Not later than February 1, 2020, and then biannually thereafter, the Secretary of Defense shall submit to the congressional defense committees a report on the Department of Defense’s operational concepts and plans regarding strategic competitors, including on strategically significant matters identified in the National Defense Strategy, that also addresses each of the following:

(1) Ways of employing the force in peace time to effectively deter strategic competitors below the threshold of war while ensuring readiness for potential conflict.

(2) Ways of adapting innovative, operational concepts needed for strategically significant and plausible scenarios related to strategic competitors.

(3) Ways of addressing operational challenges related to achieving the strategic advantage against strategic competitors related to nuclear, space, cyber, conventional, and unconventional means in warfighting doctrine.

(4) The technologies, force developments, posture and capabilities, readiness, infrastructure, organization, personnel, and other elements of the defense program necessary to enable these operational
concepts and its implementation listed in paragraphs (1) through (3).

(5) The ability of the National Security Innovation Base to support the operational concepts listed in paragraphs (1) through (3).

(6) The resources and defense investments necessary to support the operational concepts and its implementation, including budget recommendations.

(7) The risks associated with the operational concepts, including the relationship and tradeoffs between missions, risks, and resources.

(8) Measures and metrics to track the effectiveness of the operational concepts and plans.

SEC. 1053. ACTIONS TO INCREASE ANALYTIC SUPPORT.

(a) IN GENERAL.—The Secretary of Defense shall direct the Under Secretary of Defense for Policy, the Director of the Joint Staff, and the Director of Cost Assessment and Program Evaluation, in consultation with the head of each military service, to jointly develop and implement a plan to strengthen the analytic capabilities, expertise, and processes necessary to meet the National Defense Strategy.

(b) ELEMENTS.—The plan under subsection (a) shall include—
(1) an assessment of the decision support capability of the Department of Defense, specifically the analytic expertise the Department is using to link National Defense Strategy objectives to innovative approaches for meeting future challenges, including winning in conflict and competing effectively against strategic competitors;

(2) an approach for comparing competing analyses and conducting joint analyses for force structure to support senior leaders in implementing the National Defense Strategy;

(3) a determination of the analytic products and support required to implement the National Defense Strategy, including the ability to update these products to reflect current strategy and future threats; and

(4) such other matters as the Secretary of Defense determines to be appropriate.

(c) BRIEFING REQUIRED.—Not later than March 1, 2020, the Secretary of Defense shall provide to the congressional defense committees a briefing on the plan under subsection (a).

SEC. 1054. DEFINITIONS.

In this subtitle:
(1) The term “operational challenges” means the principal operational challenges to meeting the defense objectives described in the most recent National Defense Strategy, as such challenges are defined by the Secretary of Defense in guidance issued to the Department of Defense. The guidance issued by the Secretary of under the preceding sentence shall—

(A) specifically identify operational challenges to the Department’s principal strategic priorities of competing effectively with strategic competitors; and

(B) be made available in unclassified and publicly accessible form.

(2) The term “strategic competitors” means a country labeled as a strategic competitor in the “Summary of the 2018 National Defense Strategy of the United States of America: Sharpening the American Military’s Competitive Edge” issued by the Department of Defense pursuant to section 113 of title 10, United States Code.

Subtitle G—Studies and Reports

SEC. 1061. REPORT ON TRANSFERS OF EQUIPMENT TO PROHIBITED ENTITIES.

(a) Annual Report to Congress.—
(1) IN GENERAL.—Subchapter VIII of chapter 16 of title 10, United States Code, is amended by adding at the end the following new section:

“§387. Annual report on transfers of equipment to prohibited entities

“(a) REPORT REQUIRED.—Not later than March 1, 2021, and each subsequent year, the Secretary of Defense, in coordination with the Secretary of State, shall submit to the appropriate committees of Congress a report on the transfer of defense articles during the year preceding the year during which the report is submitted to—

“(1) any unit committing a gross violation of human rights; or

“(2) any group or organization prohibited from receiving assistance from the United States.

“(b) MATTERS TO BE INCLUDED.—Each report required by subsection (a) shall include the following for the year covered by the report:

“(1) A description of any confirmed instance in which the government of a foreign state that has received defense articles pursuant to a Department of Defense assistance authority has subsequently transferred the equipment to a unit of that foreign state that is prohibited from receiving assistance from the United States by reason of a determination by the
Secretary of State that there is credible evidence that such unit has committed a gross violation of human rights.

“(2) A description of any instance, confirmed or under investigation, in which the government of a foreign state that has received defense articles pursuant to a Department of Defense assistance authority has subsequently transferred the equipment to a group or organization that is prohibited from receiving assistance from the United States.

“(c) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term ‘appropriate committees of Congress’ means—

“(1) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

“(2) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 386 the following new item:

“387. Annual report on transfers of equipment to prohibited entities.”.

(b) REPORT TO CONGRESS.—

(1) REPORT REQUIRED.—Not later than March 1, 2020, the Secretary of Defense shall submit to
the appropriate committees of Congress (as such term is defined in section 387 of title 10, United States Code, as added by subsection (a)), a report on the transfer of defense articles during the period beginning on January 1, 2015, and ending on the date of the enactment of this Act to—

(A) any unit committing a gross violation of human rights; or

(B) any group or organization prohibited from receiving assistance from the United States.

(2) MATTERS FOR INCLUSION.—Such report shall include, for such period, each of the following:

(A) A description of any confirmed instance in which the government of a foreign state that has received defense articles pursuant to a Department of Defense assistance authority has subsequently transferred the equipment to a unit of that foreign state that is prohibited from receiving assistance from the United States by reason of a determination by the Secretary of State that there is credible evidence that such unit has committed a gross violation of human rights.
(B) A description of any instance, confirmed or under investigation, in which the government of a foreign state that has received defense articles pursuant to a Department of Defense assistance authority has subsequently transferred the equipment to a group or organization that is prohibited from receiving assistance from the United States.

SEC. 1062. ELIMINATION OF REQUIREMENT TO SUBMIT REPORTS TO CONGRESS IN PAPER FORMAT.

Section 480 of title 10, United States Code, is amended—

(1) in subsection (a), by striking “a copy of”;

(2) by redesignating subsection (c) as subsection (d); and

(3) by inserting after subsection (b) the following new subsection:

“(c) ELIMINATION OF PAPER SUBMISSION REQUIREMENT.—Whenever the Secretary (or other official) provides a report to Congress (or any committee of either House of Congress) in an electronic medium under subsection (a), the Secretary (or other official) shall not be required to submit an additional copy of the report in a paper format.”.
SEC. 1063. MODIFICATION OF ANNUAL REPORT ON CIVILIAN CASUALTIES IN CONNECTION WITH UNITED STATES MILITARY OPERATIONS.


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

(2) by inserting after paragraph (4) the following new paragraphs:

“(5) A description of any allegations of civilian casualties made by public or non-governmental sources investigated by the Department of Defense.

“(6) An evaluation of the general reasons for any discrepancies between the assessments of the United States and reporting from nongovernmental organizations regarding non-combatant deaths resulting from strikes and operations undertaken by the United States.

“(7) The definitions of ‘combatant’ and ‘non-combatant’ used in the preparation of the report.”.

(b) DEFINITION OF NON-COMBATANT.—Such section is further amended—
(1) by redesignating subsection (e) as subsection (f); and

(2) by inserting after subsection (d) the following new subsection (e):

“(e) DEFINITION OF NON-COMBATANT.—For purposes of the preparation of a report under this section, the Secretary of Defense shall define the term ‘non-combatant’. Such definition shall—

“(1) be consistent with the laws of war; and

“(2) provide that a male of military age shall not be determined to be a combatant solely on the basis of proximity to a strike or nonstrike kinetic operation, or the intended target of such an operation.”.

(c) EXTENSION.—Subsection (f) of such section, as so redesignated, is amended by striking “five years” and inserting “ten years”.

(d) CLASSIFICATION.—The Law Revision Counsel is directed to place this section in a note following section 113 of title 10, United States Code.

SEC. 1064. INCLUSION OF CERTAIN INDIVIDUALS INVESTIGATED BY INSPECTORS GENERAL IN THE SEMIANNUAL REPORT.

Section 5(a) of the Inspector General Act of 1978 (5 U.S.C. App.) is amended—
(1) in paragraph (21), by striking “; and” at the end and inserting a semicolon;

(2) in paragraph (22), by striking the period at the end and inserting “; and”; and

(3) by inserting after paragraph (22) the following new paragraph:

“(23) the name of each individual who is the subject of an investigation if the individual was an officer in the grade of O-7 and above, including officers who have been selected for promotion to O-7, or a civilian member of the Senior Executive Service.”.

SEC. 1065. ANNUAL REPORT ON JOINT MILITARY INFORMATION SUPPORT OPERATIONS WEB OPERATIONS CENTER.

(a) In General.—Not later than March 1 of 2020, and each subsequent year until the termination date specified in subsection (c), the Commander of United States Special Operations Command shall submit to the congressional defense committees a report on the activities of the Joint Military Information Support Operations Web Operations Center (hereinafter referred to as the “JMWC”) during the most recently concluded fiscal year.

(b) Contents of Report.—The report required by subsection (a) shall include each of the following, for the fiscal year covered by the report:
(1) Definitions of initial operating capability and full operational capability as such terms relate to the JMWC.

(2) A detailed description of all activities conducted toward achieving initial operating capability and full operational capability of the JMWC.

(3) A list of all associated funding requested for each program element for achieving initial operating capability and full operational capability.

(4) A detailed description of validated doctrine, organization, training, materiel, leadership and education, personnel, facilities, and policy requirements relating to establishment of the JMWC.

(5) A description of current JMWC capabilities, including information technology infrastructure and contractual arrangements.

(6) A list of all physical locations hosting JMWC capabilities.

(7) The number of military, contractor, and civilian personnel associated with the JMWC and any affiliated agency, service, or other Department of Defense entity.

(8) A description of the JMWC personnel organizational structure.
(9) An identification of inherently governmental functions relating to administration of the JMWC and execution of Military Information Support Operations (hereinafter referred to as “MISO”) programs hosted by the JMWC.

(10) A detailed description of frameworks, metrics, and capabilities established to measure the effectiveness of MISO programs hosted by the JMWC.

(11) A list of all associated funding requested by program element from each of the geographic combatant commanders for MISO programs hosted by the JMWC and a description of such MISO activities.

(12) An assessment of the effectiveness of MISO programs hosted by the JMWC.

(13) A description of efforts and activities conducted to share best practices and leverage lessons learned across the Department of Defense relating to MISO programs hosted by the JMWC, as well as a description of such best practices and lessons learned.

(14) An identification of liaisons and detailees to the JMWC from agencies and elements of the Department of Defense.
(15) Activities and efforts conducted to synchronize and deconflict MISO programs within the Department of Defense and with interagency and international partners related to strategic communications, as appropriate.

(16) Such other information as the Commander determines appropriate.

(c) TERMINATION.—The requirement to submit a report under this section shall terminate on January 1, 2025.

SEC. 1066. MOBILITY CAPABILITY REQUIREMENTS STUDY.

(a) IN GENERAL.—The Commander of the United States Transportation Command, in coordination with the Chairman of the Joint Chiefs of Staff and the Secretaries of the military departments, shall conduct a study of the end-to-end, full-spectrum mobility requirements to fulfill the national defense strategy required by section 113(g) of title 10, United States Code, for 2018. Such study shall be completed not later than January 1, 2021.

(b) ELEMENTS OF STUDY.—The study required under subsection (a) shall include each of the following:

(1) An assessment of the ability of the programmed airlift aircraft, tanker aircraft, sealift ships, and key mobility enablers to meet the integrated mobility requirements in expected strategic
environments, as defined by the guidance in such
national defense strategy.

(2) An identification, quantification, and de-
scription of the associated risk-to-mission (as de-
defined by Chairman of the Joint Chiefs of Staff Man-
ual 3105.01, Joint Risk Analysis) required to fulfill
such strategy, including—

(A) as assessment of risk-to-mission associ-
ated with achieving strategic and operational
objectives using the programmed airlift aircraft,
tanker aircraft, sealift ships, and key mobility
enablers; and

(B) a description of the combinations of
airlift aircraft, tanker aircraft, sealift ships, and
key mobility enabler requirements and capabili-
ties that provide low, moderate, significant, and
high levels of risk-to-mission to fulfill such
strategy.

(3) An identification of any mobility capability
gaps, shortfalls, overlaps, or excesses, including—

(A) an assessment of associated risks with
respect to the ability to conduct operations; and

(B) recommended mitigation strategies
where possible.
(4) The articulation of all key assumptions and
decisions made and excursions examined in con-
ducting the study with respect to—

(A) risk;

(B) programmed forces and infrastructure;

(C) the availability of commercial airlift
and sealift capabilities and resources, when ap-
licable;

(D) aircraft usage rates, aircraft mission
availability rates, aircraft mission capability
rates, aircrew ratios, aircrew production, and
aircrew readiness rates;

(E) readiness, crewing, and activation
rates for sealift ships;

(F) prepositioning, forward stationing,
seabasing, engineering, and infrastructure;

(G) demand signals used to represent mis-
sions described in the national defense strategy
for 2018, in competition and wartime;

(H) concurrency and global integration of
demand signals;

(I) integrated global presence and basing
strategy;

(J) host nation or third-country support;
(K) adversary actions to degrade and disrupt United States mobility operations;

(L) aircraft being used for training or undergoing depot maintenance or modernization or ships undergoing depot maintenance;

(M) mobility enabling forces availability, readiness, and use;

(N) logistics concept of operations, including any support concepts, methods, combat support forces, and combat service support forces that are required to enable the projection and enduring support to forces both deployed and in combat for each analytic scenario;

(O) anticipated attrition rates for the assessed force structure; and

(P) such other matters as the Commander determines appropriate.

(5) Such other elements as the Commander determines appropriate.

(e) REPORTS AND BRIEFINGS.—

(1) INTERIM REPORT AND BRIEFING.—Not later than June 1, 2020, the Commander of the United States Transportation Command, in coordination with the Chairman of the Joint Chiefs of
Staff and the Secretaries of the military departments, shall—

(A) submit to the Committee on Armed Services of the House of Representatives an interim report on the study; and

(B) provide to such Committee a briefing on the report.

(2) **Final report and briefing.**—Not later than January 1, 2021, the Commander of the United States Transportation Command, in coordination with the Chairman of the Joint Chiefs of Staff and the Secretaries of the military departments, shall—

(A) submit to the Committee on Armed Services of the House of Representatives a final report on the study; and

(B) provide to such Committee a briefing on the report.

(3) **Form of reports.**—The reports required by paragraphs (1) and (2) shall be submitted in unclassified form, but may include a classified annex.

(d) **Definition of sealift ship.**—In this section, the term “sealift ship” includes surge sealift vessels, tanker vessels, and non-governmental vessels incorporated as part of the maritime logistics enterprise.
SEC. 1067. ASSESSMENT OF SPECIAL OPERATIONS FORCE STRUCTURE.

(a) Assessment.—

(1) In general.—The Secretary of Defense shall enter into an agreement with a federally funded research and development center for the conduct of an independent assessment of the force structure and roles and responsibilities of special operations forces.

(2) Submission to Congress.—Not later than July 1, 2020, the Secretary shall submit to the congressional defense committees the results of the assessment required under paragraph (1).

(3) Form.—The assessment required under paragraph (1) shall be submitted in unclassified form, but may contain a classified annex.

(b) Matters to Be Considered.—In performing the assessment under this section, the federally funded research and development center shall consider the following matters:

(1) The most recent national defense strategy under section 113(g) of title 10, United States Code.

(2) Special operations activities, as described in section 167(k) of title 10, United States Code.

(3) Potential future national security threats to the United States.
(4) Ongoing counterterrorism and contingency operations of the United States.

(5) The demand for special operations forces by geographic combatant commanders for security cooperation, exercises, and other missions that could be executed by conventional forces.

(6) Other government and non-government analyses that would contribute to the assessment through variations in study assumptions or potential scenarios.

(7) The role of emerging technology on special operations forces.

(8) Opportunities for reduced operation and sustainment costs of special operations.

(9) Current and projected capabilities of other United States Armed Forces that could affect force structure capability and capacity requirements of special operations forces.

(10) The process by which United States Special Operations Command determines force size and structure.

(11) The readiness of special operations forces for assigned missions and future conflicts.

(12) The adequacy of special operations force structure for meeting the goals of the National Mili-
tary Strategy under section 153(b) of title 10, United States Code.

(13) Any other matters deemed relevant.

(c) Assessment Results.—The results of the assessment under this section shall include each of the following:

(1) Considerations and recommendations for improving the readiness of special operations forces and alternative force structure options.

(2) Legislative recommendations with respect to section 167 of title 10, United States Code, and other relevant provisions of law.

(3) The views of United States Special Operations Command on the assessment.

SEC. 1068. ARMY AVIATION STRATEGIC PLAN AND MODERNIZATION ROADMAP.

(a) Strategic Plan and Modernization Roadmap.—

(1) In general.—The Secretary of the Army shall develop a comprehensive strategic plan for Army aviation, which shall be designed to—

(A) ensure the alignment between requirements, both current and future, and Army budget submissions to meet such requirements;
(B) inform the preparation of future defense program and budget requests by the Secretary, and the consideration of such requests by Congress.

(2) ELEMENTS.—The plan required by paragraph (1) shall include the following:

(A) An assessment of all missions for Army aviation, both current missions and those missions necessary to support the national defense strategy and the U.S. Army in Multi-Domain Operations 2028 concept.

(B) An analysis of platforms, capabilities, and capacities necessary to fulfill such current and future Army aviation missions.

(C) The required life cycle budget associated with each platform, capability, and capacity requirement for both current and future requirements.

(D) An analysis showing operational, budget, and schedule trade-offs between sustainment of currently fielded capabilities, modernization of currently fielded capabilities, and development and production of new capabilities.
(b) **REPORT TO CONGRESS.**—Not later than March 30, 2020, the Secretary of the Army shall submit to the congressional defense committees a report containing—

1. the comprehensive strategic plan required by subsection (a); and
2. a sustainment and modernization plan for carrying out such strategic plan through fiscal year 2028.

**SEC. 1069. REPORT ON GROUND-BASED LONG-RANGE ARTILLERY TO COUNTER LAND AND MARITIME THREATS.**

(a) **IN GENERAL.**—Not later than March 1, 2020, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on the efforts by the Army and Marine Corps to develop and deploy ground-based long-range rocket and cannon artillery to counter land and maritime threats.

(b) **ELEMENTS.**—The report required by subsection (a) shall include each of the following:

1. An assessment of ongoing and future Army and Marine Corps efforts to develop and deploy ground-based long-range rocket and cannon artillery to counter land and maritime fires in the areas of
operations of United States Indo-Pacific Command
and United States European Command.

(2) An assessment of and recommendations for
how the Department of Defense can improve the de-
velopment and deployment of such artillery.

(3) An analysis and assessment of how such ar-
tillery employed in support of the Armed Forces of
the United States and allied forces would be de-
ployed, positioned, and controlled to operate effec-
tively against potential adversaries throughout the
depth of their tactical, operational, and strategic for-
mations, including any recommendations of the Sec-
retary regarding how such support could be en-
hanced.

(c) FORM OF REPORT.—The report required by sub-
section (a) shall be submitted in unclassified form, but
may contain a classified annex.

SEC. 1070. INDEPENDENT REVIEW OF TRANSPORTATION
WORKING-CAPITAL FUND.

(a) IN GENERAL.—Not later than 30 days after the
date of the enactment of this Act, the Secretary of De-
fense, in coordination with the Secretary of each of the
military departments, shall enter into a contract with a
federally funded research and development center for the
conduct of an independent review of the transportation
working-capital fund (hereinafter referred to as the “TWCF”) of the United States Transportation Command.

(b) Matters for Inclusion.—The review conducted under subsection (a) shall include each of the following:

(1) The viability of the TWCF as it is structured as of the date of the enactment of this Act.

(2) An assessment of any instances in which excess TWCF funds were used for procurement or modernization efforts that would not otherwise have been funded using amounts made available for operation and maintenance.

(3) Recommendations for how the TWCF could be restructured in order to make the fund more effective and efficient.

(4) Potential alternative funding mechanisms for certain components of the TWCF, including the channel system.

(5) Any other matters the Secretaries jointly determine appropriate.

(c) Report.—Not later than March 1, 2021, the Secretary of Defense and the Secretary of each of the military departments shall jointly submit the to the congressional defense committees a copy of the review conducted under subsection (a).
SEC. 1071. GEOGRAPHIC COMMAND RISK ASSESSMENT OF PROPOSED USE OF CERTAIN AIRCRAFT CAPABILITIES.

(a) In General.—Not later than March 31, 2020, each commander of a geographic combatant command shall submit to the congressional defense committees a report containing an assessment of the level of operational risk to that command posed by the plans of the Department of the Navy and Department of the Air Force to provide a mix of fifth generation and advanced fourth generation tactical aircraft capabilities to meet contingency and steady-state operational requirements against adversaries in support of the objectives of the 2018 national defense strategy.

(b) Assessment of Risk.—In assessing levels of operational risk under subsection (a), a commander shall use the military risk matrix of the Chairman of the Joint Chiefs of Staff, as described in CJCS Instruction 3401.01E.

(c) Geographic Combatant Command.—In this section, the term “geographic combatant command” means each of the following:

(1) United States European Command.
(2) United States Indo-Pacific Command.
(3) United States Africa Command.
(4) United States Southern Command.
SEC. 1072. ANNUAL REPORT ON STRIKES UNDERTAKEN BY THE UNITED STATES AGAINST TERRORIST TARGETS OUTSIDE AREAS OF ACTIVE HOSTILITIES.

(a) ANNUAL REPORT.—Not later than May 1 of each year, the Secretary of Defense shall submit to Congress a report on the number of strikes undertaken by the United States against terrorist targets outside areas of active hostilities during the preceding calendar year, as well as assessments of combatant and non-combatant deaths resulting from those strikes.

(b) CONTENTS OF REPORT.—The report required by subsection (a) shall include—

(1) information obtained from relevant agencies regarding the general sources of information and methodology used to conduct the assessments of combatant and non-combatant deaths;

(2) to the extent feasible and appropriate, the general reasons for discrepancies between post-strike assessments from the United States and credible reporting from nongovernmental organizations regarding non-combatant deaths resulting from strikes un-
deraken by the United States against terrorist tar-
gets outside areas of active hostilities.

(c) Review of Post-strike Reporting.—In pre-
paring a report under this section, the Secretary shall re-
view relevant and credible post-strike all-source reporting,
including such information from nongovernmental sources,
for the purpose of ensuring that this reporting is available
to and considered by relevant agencies in their assessment
of deaths.

(d) Form of Report.—The report required under
subsection (a) shall be submitted in unclassified form, but
may include a classified annex.

SEC. 1073. TERMINATION OF REQUIREMENT FOR SUB-
MITTAL TO CONGRESS OF CERTAIN RECUR-
RING REPORTS.

(a) Termination.—Effective on December 30,
2021, each report described in subsection (b) that is still
required to be submitted to Congress as of such effective
date shall no longer be required to be submitted to Con-
gress.

(b) Covered Reports.—A report described in this
subsection is a recurring report that is required to be sub-
mitted to Congress by the Department of Defense, or by
any officer, official, component, or element of the Depart-
ment, by any annual national defense authorization Act enacted on or after December 30, 2016.

SEC. 1074. REPORT ON OPERATIONAL CONCEPTS AND PLANS REGARDING STRATEGIC COMPETITORS.

Not later than February 1, 2020, and then biannually thereafter, the Secretary of Defense shall submit to the congressional defense committees a report on the Department of Defense’s operational concepts and plans regarding strategic competitors, including on strategically significant matters identified in the National Defense Strategy, that also addresses each of the following:

(1) Ways of employing the force in peace time to effectively deter strategic competitors below the threshold of war while ensuring readiness for potential conflict.

(2) Ways of adapting innovative, operational concepts needed for strategically significant and plausible scenarios related to strategic competitors.

(3) Ways of addressing operational challenges related to achieving the strategic advantage against strategic competitors related to nuclear, space, cyber, conventional, and unconventional means in warfighting doctrine.
(4) The technologies, force developments, posture and capabilities, readiness, infrastructure, organization, personnel, and other elements of the defense program necessary to enable these operational concepts and its implementation listed in paragraphs (1) through (3).

(5) The ability of the National Security Innovation Base to support the operational concepts listed in paragraphs (1) through (3).

(6) The resources and defense investments necessary to support the operational concepts and its implementation, including budget recommendations.

(7) The risks associated with the operational concepts, including the relationship and tradeoffs between missions, risks, and resources.

(8) Measures and metrics to track the effectiveness of the operational concepts and plans.

Subtitle H—Other Matters

SEC. 1081. TECHNICAL, CONFORMING, AND CLERICAL AMENDMENTS.

(a) TITLE 10, UNITED STATES CODE.—Title 10, United States Code, is amended as follows:

(1) The table of chapters at the beginning of subtitle A, and at the beginning of part I of such
subtitle, are each amended by striking the item relating to chapter 9A and inserting the following:

“9A. Audit .......................................................... 240a”.

(2) The table of chapters at the beginning of subtitle A, and at the beginning of part I of such subtitle, are each amended by striking the item relating to chapter 112 and inserting the following:

“112. Cyber Scholarship Program .............................................. 2200”.

(3) Section 113(j)(1) is amended by inserting “the” before “congressional defense committees”.

(4) Section 119a is amended in each of the subsection headings for subsections (a) and (b) by striking “AACMS” and inserting “ACCMS”.

(5) Section 127(c)(1) is amended by inserting “the” before “congressional defense committees”.

(6) Section 130i is amended—

(A) in subsection (i)(1), by inserting “(C)” after “(j)(3)”; and

(B) in subsection (j)(6), by striking “40101” and inserting “44802”.

(7) Section 131(b)(8) is amended by redesignating subparagraph (I) as subparagraph (F).

(8) Section 132 is amended by redesignating subsection (c) as subsection (d).
(9) The item relating to section 169 in the table of sections at the beginning of chapter 6 is amended by inserting a period after “Command”.

(10) The item relating to section 183a in the table of sections at the beginning of chapter 7 is amended to read as follows:

“183a. Military Aviation and Installation Assurance Clearinghouse for review of mission obstructions.”.

(11) Section 222a(d)(3)(A) is amended by inserting “had” before “been”.

(12) Section 222b(a) is amended by striking “United States Code,”.

(13) Section 284 is amended—

(A) by striking “section 376” both places it appears and inserting “section 276”; 

(B) in subsection (f), by inserting “)” after “Stat. 1564)”;

(C) in subsection (g)(2), by striking “section 375” and inserting “section 275”; and


(14) Section 240b(b)(1)(B)(i) is amended by striking “section 253a” and inserting “section 240c”. 
(15) The table of sections at the beginning of subchapter V of chapter 16 is amended by striking “Sec.” after the item relating to section 350.

(16) Section 341(e)(2)(A) is amended by adding a period at the end.

(17) Section 526(k) is amended by inserting “the” before “number of general officers”.

(18) Section 649j is amended by striking “(a) IN GENERAL.–The” and inserting “The”.

(19) Section 651(a) is amended by inserting “shall serve” after “(50 U.S.C. 3806(d)(1))”.

(20) The heading of section 928b (article 128b of the Uniform Code of Military Justice) is amended to read as follows:

“§ 928b. Art. 128b. Domestic violence”.

(21) Section 1034(b)(1)(B)(ii) is amended by striking “subsection (i)” and inserting “subsection (j)”;

(22) Section 1073c(a) is amended by redesignating the second paragraph (4) as paragraph (6).

(23) Section 1074g(b) is amended by striking “under subsection (h)” and inserting “under subsection (i)”.
(24) Section 1075(d)(1) is amended in the table by striking “25% of out of network” and inserting “25% out of network”.

(25) Section 1076d(d)(1) is amended by striking “section 1075 of this section” and inserting “section 1075 of this title”.

(26) Section 1076e(d)(1) is amended by striking “section 1075 of this section” and inserting “section 1075 of this title”.

(27) Section 1142(c)(3) is amended by striking “paragraph (2)(B)” and inserting “paragraph (2)(C)”.

(28) Section 1762(e) is amended by striking “in at any one time” and inserting “at any one time in”.

(29) Section 1788a is amended in subsection (d)(1) by striking “Not later than March 1, 2019, and each March 1 thereafter” and inserting “Not later than March 1 each year”.

(30) Section 2208(u) is amended by inserting “of this title” after “2805” each place it appears.

(31) Section 2216(b)(1) is amended by striking “subsection (c)(1)(B)(iii)” and inserting “subsection (c)(1)(B)(ii)”.
(32) Section 2222(i)(11) is amended by striking “subsection (a)(6)(A)” and inserting “subsection (c)(6)(A)”.

(33) Section 2228(a)(2) is amended by striking the second period at the end.

(34) The item relating to section 2229b in the table of sections at the beginning of chapter 131 is amended to read as follows:

“2229b. Comptroller General assessment of acquisition programs and initiatives.”

(35) Section 2273(b)(1) is amended by inserting a semicolon at the end.

(36) The heading for section 2279d is amended by striking the period at the end.

(37) The heading of section 2284, as added by section 311(a) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 1708), is amended to read as follows:

“§ 2284. Explosive ordnance disposal defense program”.

(38) Section 2304(f)(1)(B) is amended—

(A) in clause (ii), by striking “paragraph (6)(A)” and inserting “paragraph (5)(A)”;

(B) in clause (iii), by striking “paragraph (6)(B)” and inserting “paragraph (5)(B)”.
(39) Section 2305a(d)(1) is amended by striking “a indefinite” and inserting “an indefinite”.

(40)(A) Section 2304e is amended by striking the last four words of the section heading.

(B) Section 2323a is amended—

(i) in the section heading, by striking the last six words; and

(ii) in subsection (e)—

(I) in paragraph (1), by striking “102 Stat. 2468;”;

(II) in paragraph (2), by striking “(25 U.S.C. 450b(d))” and inserting “(25 U.S.C. 5304(d))”; and

(III) in paragraph (3), by striking “(25 U.S.C. 450b(e))” and inserting “(25 U.S.C. 5304(e))”.

(C) The table of sections at the beginning of chapter 137 is amended by striking the last four words of the item relating to section 2304e and the last six words of the item relating to section 2323a.

(41) Section 2307(a) is amended by striking “may” and inserting “may—”.

(42) Section 2313b(d) is amended by striking “an task order” both places it appears and inserting “a task order”.
(43) Section 2329(g)(1) is amended by striking “‘bridge contact’” and inserting “‘bridge contract’”.

(44) Section 2339a(e)(5) is amended by striking “section 3542(b)” and inserting “section 3552(b)(6)”.

(45) Section 2366a(e)(1)(F) is amended by striking “section 2366a(b)(6) of this title” and inserting “subsection (b)(6)”.

(46) Section 2371b(d)(1)(C) is amended by striking “other than” after “sources”.

(47) Section 2380B is amended—
(A) by inserting “section” before “2376(1) of this title”; and
(B) by striking “purposed of” and inserting “purposes of”.

(48) Section 2401(e)(2) is amended by striking “subsection (f)” and inserting “subsection (g)”.

(49) Section 2417(a)(2) is amended by striking “of eligible entities” and all that follows through “for meetings” and inserting the following: “of eligible entities—

“(A) for meetings”.
(50) The item relating to section 2439 in the table of sections at the beginning of chapter 144 is amended to read as follows:

“2439. Negotiation of price for technical data before development, production, or sustainment of major weapon systems.”.

(51) The item relating to subchapter II in the table of subchapters for chapter 144B is amended to read as follows:

“II. Development, Prototyping, and Deployment of Weapon System Components or Technology .......................................................... 2447a”.

(52) Section 2447a(a) is amended by striking “after fiscal year 2017”.

(53) Section 2547(b)(2) is amended—

(A) by striking “material” and inserting “materiel”; and

(B) by striking “Material” both places it appears and inserting “Materiel”.

(54) Section 2802(e)(1) is amended by striking “shall comply with” and inserting “shall—

“(A) comply with”.

(55) Section 2804(b) is amended—

(A) in the second sentence—

(i) by striking“(1)” and“(2)”; and

(ii) by striking “project and” and inserting “project,”; and
(B) in the third sentence, by striking ‘‘;
and’’.

(56) Section 2805(d)(1)(B) is amended by in-
serting ‘‘under’’ after ‘‘made available’’.

(57) Section 2835a(c) is amended by striking
“(1) The Secretary” and inserting “The Secretary”.

(58) Section 2879(a)(2)(A) is amended by
striking the comma after “2017’’.

(59) Section 2913(c) is amended by striking
“government a gas or electric utility” and inserting
“government gas or electric utility”.

(60) The item relating to section 2914 in the
table of sections at the beginning of chapter 173 is
amended to read as follows:

“2914. Energy resilience and conservation construction projects.”.

(61)(A) The heading of section 8749, as
amended by section 1114(b)(2) and redesignated by
section 807(d)(6) of the John S. McCain National
Defense Authorization Act for Fiscal Year 2019
(Public Law 115–232), is amended by capitalizing
the initial letter of the fifth, sixth, and seventh
words and the initial letter of the last two words.

(B) The heading of section 8749a, as added by
section 1114(a) and redesignated by section 8(d)(6)
of the John S. McCain National Defense Authoriza-
tion Act for Fiscal Year 2019 (Public Law 115–
232), is amended by capitalizing the initial letter of
the fifth, sixth, and seventh words.

(62) Section 9069(a) is amended by striking
“are” and inserting “is”.

(63) Section 10217(e)(4) is amended by strik-
ing “shall an individual” and inserting “shall be an
individual”.

(64) The item relating to section 2568a in the
table of sections at the beginning of chapter 152 is
amended to read as follows:
“2568a. Damaged personal protective equipment: award to members separating
from the armed forces and veterans.”.

(b) NDAA FOR FISCAL YEAR 2019.—Effective as of
August 13, 2018, and as if included therein as enacted,
the John S. McCain National Defense Authorization Act
for Fiscal Year 2019 (Public Law 115–232) is amended
as follows:

(1) Section 331(g)(2) (132 Stat. 1724) is
amended by inserting “of such title” after “chapter
2”.

(2) Section 844(b) (132 Stat. 1881) is amended
by striking “This section and the amendments made
by this section” and inserting “The amendment
made by subsection (a)”.

(3) Section 1246(1)(B) (132 Stat. 2049) is
amended by adding at the end before the semicolon
the following: “and transferring it to appear after paragraph (15)”.

(4) Section 2805(c) (132 Stat. 2262; 10 U.S.C. 2864 note) is amended by striking “United Facilities Criteria” and inserting “Unified Facilities Criteria”.

(c) NDAA FOR FISCAL YEAR 2018.—Effective as of December 12, 2017, and as if included therein as enacted, section 1609(b)(3) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1728; 10 U.S.C. 2273 note) is amended by striking “,” and, and inserting “, and”.

(d) NDAA FOR FISCAL YEAR 2012.—Effective as of December 31, 2011, and as if included therein as enacted, section 315 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81; 125 Stat. 1358; 10 U.S.C. 2911 note) is amended by redesignating subsections (d), (e), and (f) as subsections (c), (d), and (e), respectively.

(e) COORDINATION WITH OTHER AMENDMENTS MADE BY THIS ACT.—For purposes of applying amendments made by provisions of this Act other than this section, the amendments made by this section shall be treated as having been enacted immediately before any such amendments by other provisions of this Act.
SEC. 1082. SUBMISSION TO CONGRESS OF DEPARTMENT OF DEFENSE EXECUTE ORDERS.

(a) In General.—Chapter 2 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 119b. Execute orders: congressional oversight

“Not later than 30 days after the date on which the Secretary of Defense or the commander of a combatant command issues an execute order, the Secretary of Defense shall provide to the chairman and ranking member of each of the congressional defense committees, and their designated staff with the appropriate security clearance, a copy of the execute order.”.

(b) Clerical Amendment.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“119b. Execute orders: congressional oversight.”.

(c) Previously Issued Execute Orders.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall submit 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.
SEC. 1083. EXTENSION OF NATIONAL SECURITY COMMISSION ON ARTIFICIAL INTELLIGENCE.

Section 1051 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232) is amended—

(1) in subsection (c)(1), by striking “180 days” and inserting “360 days”; and

(2) in subsection (e), by striking “October 1, 2020” and inserting “March 1, 2021”.

SEC. 1084. NATIONAL COMMISSION ON MILITARY AVIATION SAFETY.

(a) EXTENSION OF DEADLINE FOR REPORT.—Subsection (h)(2) of section 1087 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232) is amended by striking “March 1, 2020” and inserting “December 1, 2020”.

(b) SECRETARY OF DEFENSE REPORT.—Such section is further amended by adding at the end the following new subsection:

“(l) REPORT TO CONGRESS.—Not later than 120 days after the date of the submittal of the report under subsection (h)(2), the Secretary of Defense, in coordination with the Secretary of each of the military departments, shall submit to the Committees on Armed Services of the Senate and House of Representatives a report that includes each of the following:
“(1) An assessment of the findings and conclusions of the Commission.

“(2) The plan of the Secretaries for implementing the recommendations of the Commission.

“(3) Any other actions taken or planned by the Secretary of Defense or the Secretary of any of the military departments to improve military aviation safety.”.

(e) Authorization of Appropriations.—In addition to any other amounts authorized to be appropriated for the National Commission on Military Aviation Safety established under section 1087 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232), of the amounts authorized to be appropriated for Operation and Maintenance, Defense-wide for fiscal year 2020, as specified in the funding table in section 4301, $3,000,000 shall be available for the National Commission on Aviation Safety.

SEC. 1085. EXTENSION OF POSTAGE STAMP FOR BREAST CANCER RESEARCH.

Section 414(h) of title 39, United States Code, is amended by striking “2019” and inserting “2027”.

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SEC. 1086. PROCESSES AND PROCEDURES FOR NOTIFICATIONS REGARDING SPECIAL OPERATIONS FORCES.

(a) IN GENERAL.—Not later than 180 days after enactment of this Act, the Secretary of Defense shall establish and submit to the congressional defense committees processes and procedures for providing notifications to the committees regarding members of special operations forces, as identified in section 167(j) of title 10, United States Code.

(b) PROCESSES AND PROCEDURES.—The processes and procedures established under subsection (a) shall—

(1) clarify the roles and responsibilities of the Secretaries of the military departments, the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict, and the Commander of United States Special Operations Command;

(2) provide guidance relating to the types of matters that would warrant congressional notification, including awards, reprimands, incidents, and any other matters the Secretary determines necessary;

(3) be consistent with the national security of the United States;

(4) be designed to protect sensitive information during an ongoing investigation;
(5) account for the privacy of members of the Armed Forces; and

(6) take into account existing processes and procedures for notifications to the congressional defense committees regarding members of the conventional Armed Forces.

SEC. 1087. ASSESSMENT OF STANDARDS, PROCESSES, PROCEDURES, AND POLICY RELATING TO CIVILIAN CASUALTIES.

(a) ASSESSMENT REQUIRED.—The Secretary of Defense shall enter into an agreement with a federally funded research and development center for the 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.

(b) MATTERS TO BE CONSIDERED.—In conducting the assessment under this section, the federally funded research and development center shall consider the following matters:

(1) Department of Defense policy relating to civilian casualties resulting from United States military operations.

(2) Standards, processes, and procedures for internal assessments and investigations of civilian cas-
ualties resulting from United States military oper-
ations.

(3) Standards, processes, and procedures for
identifying, assessing, investigating, and responding
to reports of civilian casualties resulting from United
States military operations from the public and non-
governmental entities and sources, including the con-
sideration of relevant information from all available
sources.

(4) Combatant command organizational con-
structs for assessing and investigating civilian cas-
ualties resulting from United States military oper-
ations.

(5) Mechanisms for public and non-govern-
mental entities to report civilian casualties that have
resulted from United States military operations to
the Department of Defense.

(6) Enterprise-wide mechanisms for accurately
recording kinetic strikes, including raids, strikes,
and other missions, and civilian casualties resulting
from United States military operations.

(7) Standards, processes, procedures, and policy
for reducing the likelihood of civilian casualties from
United States military operations.
(8) The institutionalization of lessons learned and best practices for reducing the likelihood of civilian casualties and relating to civilian casualties resulting from United States military operations.

(9) Any other matters the Secretary of Defense determines appropriate.

(c) Assessment Results.—The results of the assessment under this section shall—

(1) present considerations for improving standards, processes, procedures, policy, and organizational constructs relating to civilian casualties resulting from military operations;

(2) provide for the presentation of Department of Defense views on the assessment; and

(3) provide for the presentation of the views of non-governmental organizations on the assessment.

(d) Report to Congress.—

(1) In General.—Not later than March 1, 2020, the Secretary of Defense shall submit to the congressional defense committees a report containing the results of the assessment conducted under this section.

(2) Form of Report.—The report under paragraph (1) shall be submitted in unclassified form, but may contain a classified annex.
(3) Public Availability.—The Secretary shall make the report under paragraph (1) publicly available.

SEC. 1088. DISPOSAL OF IPv4 ADDRESSES.

(a) Disposal Required.—

(1) In general.—Not later than 10 years after the date of the enactment of this Act, the Secretary of Defense shall sell all of the IPv4 addresses described in subsection (b) at fair market value. The net proceeds collected from a sale under this section shall be deposited in the General Fund of the Treasury.

(2) Deadlines for certain blocks.—Of the IPv4 addresses described in subsection (b), the Secretary of Defense shall sell in accordance with paragraph (1)—

(A) one block referred to in such subsection, or an equivalent number of IPv4 addresses, by not later than two years after the date of the enactment of this Act; and

(B) one additional such block, or an equivalent number of IPv4 addresses, by not later than three years after the date of the enactment of this Act.
(b) IPv4 Addresses.—The IPv4 addresses described in this subsection are all IPv4 addresses assigned to any agency or entity of the Department of Defense, including all addresses contained in blocks 6.0.0.0/8, 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, 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, 214.0.0.0/8, and 215.0.0.0/8.

(c) Report to Congress.—

(1) In general.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report that includes each of the following:

(A) A description of the measures taken by the Secretary regarding the disposal of the IPv4 addresses described in subsection (b).

(B) An accounting of the total IPv4 address holdings of the Department of Defense, as of the date of the submittal of the report.

(C) A description of any legacy systems of the Department that are dependent on the IPv4 addresses described in subsection (b).

(D) The plan of the Secretary to transition all Department addresses to IPv6.

(E) Such other information as the Secretary determines appropriate.
(2) Form of report.—The report required by paragraph (1) shall be submitted in unclassified form, but may contain a classified annex.

(d) Limitation on use of funds.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for Operation and Maintenance, Defense-wide, Office of the Secretary of Defense, for Travel of Persons (OP 32 Line 308), not more than 70 percent may be obligated or expended until the date on which the Secretary of Defense submits to the Committees on Armed Services of the Senate and the House of Representatives the report required under subsection (c).

SEC. 1089. SECURING AMERICAN SCIENCE AND TECHNOLOGY.

(a) Interagency Working Group.—

(1) In general.—The Director of the Office of Science and Technology Policy, acting through the National Science and Technology Council, in consultation with the National Security Advisor, shall establish an interagency working group to coordinate activities to protect federally funded research and development from foreign interference, cyberattacks, theft, or espionage and to develop common definitions and best practices for Federal science agencies
and grantees, while accounting for the importance of
the open exchange of ideas and international talent
required for scientific progress and American leader-
ship in science and technology.

(2) MEMBERSHIP.—

(A) IN GENERAL.—The working group
shall include a representative of—

(i) the National Science Foundation;

(ii) the Department of Energy;

(iii) the National Aeronautics and
Space Administration;

(iv) the National Institute of Standards and Technology;

(v) the Department of Commerce;

(vi) the National Institutes of Health;

(vii) the Department of Defense;

(viii) the Department of Agriculture;

(ix) the Department of Education;

(x) the Department of State;

(xi) the Department of the Treasury;

(xii) the Department of Justice;

(xiii) the Department of Homeland Security;

(xiv) the Central Intelligence Agency;
(xv) the Federal Bureau of Investigation;
(xvi) the Office of the Director of National Intelligence;
(xvii) the Office of Management and Budget;
(xviii) the National Economic Council; and
(xix) such other Federal department or agency as the President considers appropriate.

(B) Chair.—The working group shall be chaired by the Director of the Office of Science and Technology Policy (or the Director’s designee).

(3) Responsibilities of the Working Group.—The working group established under paragraph (1) shall—

(A) identify known and potential cyber, physical, and human intelligence threats and vulnerabilities within the United States scientific and technological enterprise;

(B) coordinate efforts among agencies to share and update important information, including specific examples of foreign inter-
ference, cyberattacks, theft, or espionage directed at federally funded research and development or the integrity of the United States scientific enterprise;

(C) identify and assess existing mechanisms for protection of federally funded research and development;

(D) develop an inventory of—

(i) terms and definitions used across Federal science agencies to delineate areas that may require additional protection; and

(ii) policies and procedures at Federal science agencies regarding protection of federally funded research; and

(E) develop and periodically update unclassified policy guidance to assist Federal science agencies and grantees in defending against threats to federally funded research and development and the integrity of the United States scientific enterprise that—

(i) includes—

(I) descriptions of known and potential threats to federally funded research and development and the integ-
rity of the United States scientific enter-
prise;

(II) common definitions and terminol-
y for categorization of re-
search and technologies that are pro-
tected;

(III) identified areas of research 
or technology that might require addi-
tional protection;

(IV) recommendations for how control mechanisms can be utilized to protect federally funded research and development from foreign interference, cyberattacks, theft or espionage, in-
cluding any recommendations for up-
dates to existing control mechanisms;

(V) recommendations for best practices for Federal science agencies and grantees to defend against threats to federally funded research and de-
velopment, including coordination and harmonization of any relevant report-
ing requirements that Federal science agencies implement for grantees;
(VI) assessments of potential consequences that any proposed practices would have on international collaboration and United States leadership in science and technology; and

(VII) a classified addendum as necessary to further inform Federal science agency decisionmaking; and

(ii) accounts for the range of needs across different sectors of the United States science and technology enterprise.

(4) COORDINATION WITH NATIONAL ACADEMIES ROUNDTABLE.—The Director of the Office of Science and Technology Policy shall coordinate with the Academies to ensure that at least one member of the interagency working group is also a member of the roundtable under subsection (b).

(5) INTERIM REPORT.—Not later than six months after the date of enactment of this Act, the Director of the Office of Science and Technology Policy shall provide a report to the relevant committees that includes the inventory required under paragraph (3)(D), and an update on progress toward developing the policy guidance required under para-
graph (3)(E), as well as any additional activities undertaken by the working group in that time.

(6) Biennial Reporting.—Two years after the date of enactment of this Act, and at least every two years thereafter, the Director of the Office of Science and Technology Policy shall provide a summary report to the relevant committees on the activities of the working group and the most current version of the policy guidance required under paragraph (3)(E).

(b) National Academies Science, Technology and Security Roundtable.—

(1) In General.—The National Science Foundation, the Department of Energy, and the Department of Defense, and any other agencies as determined by the Director of the Office of Science and Technology Policy, shall enter into a joint agreement with the Academies to create a new “National Science, Technology, and Security Roundtable” (hereinafter in this subsection referred to as the “roundtable”).

(2) Participants.—The roundtable shall include senior representatives and practitioners from Federal science, intelligence, and national security agencies, law enforcement, as well as key stake-
holders in the United States scientific enterprise including institutions of higher education, Federal research laboratories, industry, and non-profit research organizations.

(3) PURPOSE.—The purpose of the roundtable is to facilitate among participants—

(A) exploration of critical issues related to protecting United States national and economic security while ensuring the open exchange of ideas and international talent required for scientific progress and American leadership in science and technology;

(B) identification and consideration of security threats and risks involving federally funded research and development, including foreign interference, cyberattacks, theft, or espionage;

(C) identification of effective approaches for communicating the threats and risks identified in subparagraph (b) to the academic and scientific community, including through the sharing of unclassified data and relevant case studies;
(D) sharing of best practices for addressing and mitigating the threats and risks identified in subparagraph (B); and

(E) examination of potential near- and long-term responses by the government and the academic and scientific community to mitigate and address the risks associated with foreign threats.

(4) REPORT AND BRIEFING.—The joint agreement under paragraph (1) shall specify that—

(A) the roundtable shall periodically organize workshops and issue publicly available reports on the topics described in paragraph (3) and the activities of the roundtable; and

(B) not later than March 1, 2020, the Academies shall provide a briefing to relevant committees on the progress and activities of the roundtable.

(5) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated $5,000,000 to the Secretary of Defense for fiscal years 2020 to 2024 to carry out this subsection.

(e) DEFINITIONS.—In this section:

(1) The term “Academies” means the National Academies of Science, Engineering and Medicine.
(2) The term “Federal science agency” means any Federal agency with at least $100,000,000 in basic and applied research obligations in fiscal year 2018.

(3) The term “grantee” means an entity that is—

(A) a recipient or subrecipient of a Federal grant or cooperative agreement; and

(B) an institution of higher education or a non-profit organization.

(4) The term “relevant committees” means—

(A) the Committee on Science, Space, and Technology of the House of Representatives;

(B) the Committee on Commerce, Science, and Transportation of the Senate;

(C) the Committee on Armed Services of the House of Representatives; and

(D) the Committee on Armed Services of the Senate.

SEC. 1090. STANDARDIZED POLICY GUIDANCE FOR CALCULATING AIRCRAFT OPERATION AND SUSTAINMENT COSTS.

Not later than 270 days after the date of the enactment of this Act, the Under Secretary of Defense for Acquisition and Sustainment, in coordination with the Direc-
tor of Cost Analysis and Program Evaluation and in consultation with the Secretary of each of the military services, shall develop and implement standardized policy guidance for calculating aircraft operation and sustainment costs for the Department of Defense. Such guidance shall provide for a standardized calculation of—

(1) aircraft cost per flying hour;

(2) aircraft cost per aircraft tail per year; and

(3) total cost of ownership per flying hour for aircraft systems.

SEC. 1091. SPECIAL FEDERAL AVIATION REGULATION WORKING GROUP.

(a) In General.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense, the Secretary of Transportation, and the Secretary of State, shall jointly establish a Special Federal Aviation Regulation (in this section referred to as the “SFAR”) interagency working group to review the current options for the Department of Defense to use contracted United States civil aviation to provide support for Department of Defense missions in areas where a Federal Aviation Administration SFAR is in effect.

(b) Duties.—The working group shall—

(1) analyze all options currently available for the Department of Defense to use contracted United
States civil aviation to provide support for Department of Defense missions in areas where a Federal Aviation Administration SFAR is in effect;

(2) review existing processes of the Department of Defense, the Federal Aviation Administration, and the Department of State, with respect to the Department of Defense’s use of contracted United States civil aviation in areas where a Federal Aviation Administration SFAR is in effect;

(3) identify any issues, inefficiencies, or concerns with the existing options and processes, including safety of flight, legal considerations, mission delivery, and security considerations; and

(4) develop recommendations, if any, to improve existing processes or expand the options available for the Department of Defense to use contracted United States civil aviation to provide support to Department of Defense missions in areas where a Federal Aviation Administration SFAR is in effect.

(c) MEMBERS.—

(1) APPOINTMENT.—The Secretary of Defense, the Secretary of Transportation, and the Secretary of State shall each appoint not more than 5 members to the working group with expertise in civil aviation safety, state aircraft operations, the provi-
sion of contracted aviation support to the Department of Defense, and the coordination of such efforts between the Department of Defense, the Department of State, and the Federal Aviation Administration. The 5 members appointed by the Secretary of Transportation shall include at least 3 members from the Federal Aviation Administration.

(2) QUALIFICATIONS.—All working group members shall be full-time employees of the Federal Government with appropriate security clearances to allow discussion of all classified information and materials necessary to fulfill the working group’s duties pursuant to subsection (b).

(d) REPORT.—Not later than 1 year after the date it is established, the working group shall submit a report on its findings and any recommendations developed pursuant to subsection (b) to the congressional defense committees, the Committee on Commerce, Science, and Transportation of the Senate, and the Committee on Transportation and Infrastructure of the House of Representatives.

(e) TERMINATION.—The working group shall terminate 90 days after the date the report is submitted under subsection (d).

(f) DEFINITIONS.—In this section the following definitions apply:
The term “United States civil aviation” means—

(A) United States air carriers and United States commercial operators;

(B) persons exercising the privileges of an airman certificate issued by the FAA, except such persons operating United States-registered aircraft for a foreign air carrier; and

(C) operators of civil aircraft registered in the United States, except where the operator of such aircraft is a foreign air carrier.

The term “Federal Aviation Administration SFAR” means the Special Federal Aviation Regulation included under subpart M of part 91 of title 14, Code of Federal Regulations.

TITLE XI—CIVILIAN PERSONNEL MATTERS

SEC. 1101. DEFENSE ADVANCED RESEARCH PROJECTS AGENCY PERSONNEL MANAGEMENT AUTHORITY.

Section 1599h(b)(1)(B) of title 10, United States Code, is amended by striking “100 positions” and inserting “140 positions”.

SEC. 1102. MODIFICATION OF PROBATIONARY PERIOD FOR CERTAIN DEPARTMENT OF DEFENSE EMPLOYEES.

(a) IN GENERAL.—Section 1599e of title 10, United States Code, is amended by—

(1) striking subsection (a) and inserting the following:

“(a) IN GENERAL.—Notwithstanding sections 3321 and 3393(d) of title 5, the probationary period applicable under those sections to a covered employee may be extended by the Secretary concerned at the discretion of such Secretary.”; and

(2) by striking subsection (d).

(b) CONFORMING AMENDMENTS.—Title 5, United States Code, is amended—

(1) in section 7501(1), by striking “, except as provided in section 1599e of title 10,”; and

(2) in section 7511(a)(1)(A)(ii), by striking “except as provided in section 1599e of title 10,”.

c) APPLICATION.—The amendments made by this section shall apply to any covered employee (as that term is defined in paragraph (1) of section 1599e(b) of title 10, United States Code) appointed to a position described under subparagraph (A) or (B) of such paragraph on or after the date of the enactment of this Act.
SEC. 1103. CIVILIAN PERSONNEL MANAGEMENT.

Section 129 of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) in the first sentence, by striking “each fiscal year” and inserting “each fiscal year solely”; and

(B) in the second sentence—

(i) by striking “Any” and inserting “The management of such personnel in any fiscal year shall not be subject to any”; and

(ii) by striking “shall be developed” and all that follows through “changed circumstances”; and

(2) in subsection (c)(2)—

(A) in each of subparagraphs (A) and (B), by inserting “and associated costs” after each instance of “projected size”; and

(B) in subparagraph (B), by striking “that have been taken” and all that follows through the period and inserting “to reduce the overall costs of the total force of military, civilian, and contract workforces.”.
SEC. 1104. ONE-YEAR EXTENSION OF TEMPORARY AUTHORITY TO GRANT ALLOWANCES, BENEFITS, AND GRATUITIES TO CIVILIAN PERSONNEL ON OFFICIAL DUTY IN A COMBAT ZONE.


SEC. 1105. ONE-YEAR EXTENSION OF AUTHORITY TO WAIVE ANNUAL LIMITATION ON PREMIUM PAY AND AGGREGATE LIMITATION ON PAY FOR FEDERAL CIVILIAN EMPLOYEES WORKING OVERSEAS.

amended by striking “through 2019” and inserting “through 2020”.

(b) Effective Date.—The amendment made by this section shall take effect on January 1, 2020.

SEC. 1106. PERFORMANCE OF CIVILIAN FUNCTIONS BY MILITARY PERSONNEL.

Subparagraph (B) of paragraph (1) of subsection (g) of section 129a of title 10, United States Code, is amended to read as follows:

“(B) such functions may be performed by military personnel for a period that does not exceed one year if the Secretary of the military department concerned determines that—

“(i) the performance of such functions by military personnel is required to address critical staffing needs resulting from a reduction in personnel or budgetary resources by reason of an Act of Congress; and

“(ii) the military department concerned is in compliance with the policies, procedures, and analysis required by this section and section 129 of this title.”.
SEC. 1107. EXTENSION OF DIRECT HIRE AUTHORITY FOR DOMESTIC INDUSTRIAL BASE FACILITIES AND MAJOR RANGE AND TEST FACILITIES BASE.

(a) IN GENERAL.—Subsection (a) of section 1125 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328), as amended by subsection (a) of section 1102 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended by striking “through 2021,” and inserting “through 2025,”.

(b) BRIEFING.—Subsection (b) of such section 1102 is amended by striking “fiscal years 2019 and 2021” and inserting “fiscal years 2019 through 2025”.

SEC. 1108. AUTHORITY TO PROVIDE ADDITIONAL ALLOWANCES AND BENEFITS FOR CERTAIN DEFENSE CLANDESTINE SERVICE EMPLOYEES.

Section 1603 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(c) ADDITIONAL ALLOWANCES AND BENEFITS FOR CERTAIN EMPLOYEES OF THE DEFENSE CLANDESTINE SERVICE.—(1) Beginning on the date on which the Secretary of Defense submits the report under paragraph (3)(A), in addition to the authority to provide compensation under subsection (a), the Secretary may provide a
covered employee allowances and benefits under paragraph (1) of section 9904 of title 5 without regard to the limitations in that section—

“(A) that the employee be assigned to activities outside the United States; or

“(B) that the activities to which the employee is assigned be in support of Department of Defense activities abroad.

“(2) The Secretary may not provide allowances and benefits under paragraph (1) to more than 125 covered employees per year.

“(3)(A) The Secretary shall submit to the appropriate congressional committees a report containing a strategy addressing the mission of the Defense Clandestine Service during the period covered by the most recent future-years defense program submitted under section 221 of this title, including—

“(i) how such mission will evolve during such period;

“(ii) how the authority provided by paragraph (1) will assist the Secretary in carrying out such mission; and

“(iii) an implementation plan for carrying out paragraph (1), including a projection of how much the amount of the allowances and benefits provided
under such paragraph compare with the amount of
the allowances and benefits provided before the date
of the report.

“(B) Not later than December 31, 2020, and each
year thereafter, the Secretary shall submit to the appro-
priate congressional committees a report, with respect to
the fiscal year preceding the date on which the report is
submitted—

“(i) identifying the number of covered employ-
ees for whom the Secretary provided allowances and
benefits under paragraph (1); and

“(ii) evaluating the efficacy of such allowances
and benefits in enabling the execution of the objec-
tives of the Defense Intelligence Agency.

“(C) The reports under subparagraphs (A) and (B)
may be submitted in classified form.

“(4) In this subsection:

“(A) The term ‘appropriate congressional com-
mittees’ means—

“(i) the congressional defense committees;

and

“(ii) the Permanent Select Committee on
Intelligence of the House of Representatives
and the Select Committee on Intelligence of the
Senate.
“(B) The term ‘covered employee’ means an employee in a defense intelligence position who is assigned to the Defense Clandestine Service at a location in the United States that the Secretary determines has living costs equal to or higher than the District of Columbia.”.

SEC. 1109. PROHIBITED PERSONNEL PRACTICES.

(a) IN GENERAL.—Section 2302 of title 5, United States Code, is amended by adding at the end the following:

“(g)(1) All protections afforded to an employee under subparagraphs (A), (B), and (D) of subsection (b)(1) shall be afforded, in the same manner and to the same extent, to an intern and an applicant for internship.

“(2) For purposes of the application of this subsection, a reference to an employee shall be considered a reference to an intern in—

“(A) section 717 of the Civil Rights Act of 1964 (42 U.S.C. 2000e–16);

“(B) sections 12 and 15 of the Age Discrimination in Employment Act of 1967 (29 U.S.C. 631, 633a); and

“(3) In this subsection, the term ‘intern’ means an individual who performs uncompensated voluntary service in an agency to earn credit awarded by an educational institution or to learn a trade or occupation.”.

(b) CONFORMING AMENDMENT.—Section 3111(c)(1) of title 5, United States Code, is amended by inserting “section 2302(g) (relating to prohibited personnel practices),” before “chapter 81”.

SEC. 1110. ENHANCEMENT OF ANTIDISCRIMINATION PROTECTIONS FOR FEDERAL EMPLOYEES.

(a) SENSE OF CONGRESS.—Section 102 of the Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended—

(1) in paragraph (4), to read as follows:

“(4) accountability in the enforcement of Federal employee rights is furthered when Federal agencies take appropriate disciplinary action against Federal employees who have been found to have committed discriminatory or retaliatory acts;”; and

(2) in paragraph (5)(A)—

(A) by striking “nor is accountability” and inserting “but accountability is not”; and

(B) by inserting “for what by law the agency is responsible” after “under this Act”.

“(4) accountability in the enforcement of Federal employee rights is furthered when Federal agencies take appropriate disciplinary action against Federal employees who have been found to have committed discriminatory or retaliatory acts;”; and

(2) in paragraph (5)(A)—

(A) by striking “nor is accountability” and inserting “but accountability is not”; and

(B) by inserting “for what by law the agency is responsible” after “under this Act”.

“(4) accountability in the enforcement of Federal employee rights is furthered when Federal agencies take appropriate disciplinary action against Federal employees who have been found to have committed discriminatory or retaliatory acts;”; and

(2) in paragraph (5)(A)—

(A) by striking “nor is accountability” and inserting “but accountability is not”; and

(B) by inserting “for what by law the agency is responsible” after “under this Act”. 
(b) NOTIFICATION OF VIOLATION.—Section 202 of the Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended by adding at the end the following:

“(d) NOTIFICATION OF FINAL AGENCY ACTION.—

“(1) Not later than 30 days after a Federal agency takes final action or the Equal Employment Opportunity Commission issues an appellate decision involving a finding of discrimination or retaliation prohibited by a provision of law covered by paragraph (1) or (2) of section 201(a), as applicable, the head of the agency subject to the finding shall provide notice for at least 1 year on the agency’s internet website in a clear and prominent location linked directly from the agency’s internet home page stating that a finding of discrimination or retaliation has been made.

“(2) The notification shall identify the date the finding was made, the date or dates on which the discriminatory or retaliatory act or acts occurred, and the law or laws violated by the discriminatory or retaliatory act or acts. The notification shall also advise Federal employees of the rights and protections available under the respective provisions of law covered by paragraph (1) or (2) of section 201(a).”.
(c) Reporting Requirements.—

(1) Electronic Format Requirement.—

(A) In General.—Section 203(a) of the Notification and Federal Employee Anti-discrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended—

(i) by inserting “Homeland Security and” before “Governmental Affairs”;

(ii) by inserting “Oversight and” before “Government Reform”; and

(iii) by inserting “(in an electronic format prescribed by the Office of Personnel Management)” after “an annual report”.

(B) Effective Date.—The amendment made by paragraph (1)(C) shall take effect on the date that is 1 year after the date of enactment of this Act.

(C) Transition Period.—Notwithstanding the requirements of section 203(a) of the Notification and Federal Employee Anti-discrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note), the report required under such section may be submitted in an electronic format, as prescribed by the Office of Personnel Management.
Management, during the period beginning on
the date of enactment of this Act and ending on
the effective date in paragraph (2).

(2) REPORTING REQUIREMENT FOR DISCIPLINARY ACTION.—Section 203 of such Act is amended
by adding at the end the following:

“(c) DISCIPLINARY ACTION REPORT.—Not later
than 60 days after the date on which a Federal agency
takes final action or a Federal agency receives an appeals
decision issued by the Equal Employment Oppor-
tunity Commission involving a finding of discrimination
or retaliation in violation of a provision of law covered by
paragraph (1) or (2) of section 201(a), as applicable, the
employing Federal agency shall submit to the Commission
a report stating whether disciplinary action has been initi-
ated against a Federal employee as a result of the viola-
tion.”.

(d) DATA TO BE POSTED BY EMPLOYING FEDERAL
AGENCIES.—Section 301(b) of the Notification and Fed-
eral Employee Antidiscrimination and Retaliation Act of
2002 (5 U.S.C. 2301 note) is amended—

(1) in paragraph (9)—

(A) in subparagraph (A), by striking

“and” at the end;
(B) in subparagraph (B)(ii), by striking the period at the end and inserting “, and”;

and

(C) by adding at the end the following:

“(C) for each such finding counted under subparagraph (A), the agency shall specify—

“(i) the date of the finding;

“(ii) the affected agency;

“(iii) the law violated; and

“(iv) whether a decision has been made regarding necessary disciplinary action as a result of the finding.”; and

(2) by adding at the end the following:

“(11) Data regarding each class action complaint filed against the agency alleging discrimination or retaliation, including—

“(A) information regarding the date on which each complaint was filed;

“(B) a general summary of the allegations alleged in the complaint;

“(C) an estimate of the total number of plaintiffs joined in the complaint if known;

“(D) the current status of the complaint, including whether the class has been certified; and
“(E) the case numbers for the civil actions in which discrimination or retaliation has been found.”.

(e) Data to Be Posted by the Equal Employment Opportunity Commission.—Section 302(b) of the Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended by striking “(10)” and inserting “(11)”.

(f) Notification and Federal Employee Antidiscrimination and Retaliation Act Amendments.—

(1) Notification Requirements.—The Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended by adding after section 206 the following:

“SEC. 207. COMPLAINT TRACKING.

“Not later than 1 year after the date of enactment of the Federal Employee Antidiscrimination Act of 2019, each Federal agency shall establish a system to track each complaint of discrimination arising under section 2302(b)(1) of title 5, United States Code, and adjudicated through the Equal Employment Opportunity process from inception to resolution of the complaint, including whether
a decision has been made regarding necessary disciplinary action as the result of a finding of discrimination.

“SEC. 208. NOTATION IN PERSONNEL RECORD.

“If a Federal agency takes an adverse action covered under section 7512 of title 5, United States Code, against a Federal employee for an act of discrimination or retaliation prohibited by a provision of law covered by paragraph (1) or (2) of section 201(a), the agency shall, after all appeals relating to such action have been exhausted, include a notation of the adverse action and the reason for the action in the employee’s personnel record.”

(2) PROCESSING AND REFERRAL.—The Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended by adding at the end the following:

“TITLE IV—PROCESSING AND REFERRAL

“SEC. 401. PROCESSING AND RESOLUTION OF COMPLAINTS.

“Each Federal agency is responsible for the fair, impartial processing and resolution of complaints of employment discrimination and retaliation arising in the Federal administrative process and shall establish a model Equal Employment Opportunity Program that—
“(1) is not under the control, either structurally or practically, of a Human Capital or General Counsel office;

“(2) is devoid of internal conflicts of interest and ensures fairness and inclusiveness within the organization; and

“(3) ensures the efficient and fair resolution of complaints alleging discrimination or retaliation.

“SEC. 402. NO LIMITATION ON HUMAN CAPITAL OR GENERAL COUNSEL ADVICE.

“Nothing in this title shall prevent a Federal agency’s Human Capital or General Counsel office from providing advice or counsel to Federal agency personnel on the processing and resolution of a complaint, including providing legal representation to a Federal agency in any proceeding.

“SEC. 403. HEAD OF PROGRAM REPORTS TO HEAD OF AGENCY.

“The head of each Federal agency’s Equal Employment Opportunity Program shall report directly to the head of the agency.

“SEC. 404. REFERRALS OF FINDINGS OF DISCRIMINATION.

“(a) EEOC FINDINGS OF DISCRIMINATION.—Not later than 30 days after the Equal Employment Opportunity Commission issues an appellate decision involving
a finding of discrimination or retaliation within a Federal agency, the Commission shall refer the matter to the Office of Special Counsel.

“(b) REFERRALS TO SPECIAL COUNSEL.—The Office of Special Counsel shall accept and review a referral from the Commission under subsection (a) for purposes of seeking disciplinary action under its authority against a Federal employee who commits an act of discrimination or retaliation.

“(c) NOTIFICATION.—The Office of Special Counsel shall notify the Commission in a case in which the Office of Special Counsel initiates disciplinary action.

“(d) SPECIAL COUNSEL APPROVAL.—A Federal agency may not take disciplinary action against a Federal employee for an alleged act of discrimination or retaliation referred by the Commission under this section except in accordance with the requirements of section 1214(f) of title 5, United States Code.”.

(3) CONFORMING AMENDMENTS.—The table of contents in section 1(b) of the Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended—

(A) by inserting after the item relating to section 206 the following:

“Sec. 207. Complaint tracking.

“Sec. 208. Notation in personnel record.”;
and

(B) by adding at the end the following:

“TITLE IV—PROCESSING AND REFERRAL

“Sec. 401. Processing and resolution of complaints.
“Sec. 402. No limitation on Human Capital or General Counsel advice.
“Sec. 403. Head of Program reports to head of agency.
“Sec. 404. Referrals of findings of discrimination.”

(g) NONDISCLOSURE AGREEMENT LIMITATION.—

Section 2302(b) of title 5, United States Code, is amend-
ed—

(1) in paragraph (13)—

(A) by inserting “or the Office of Special Counsel” after “Inspector General”;

(B) by striking “implement” and inserting “(A) implement”; and

(C) by striking the period that follows the quoted material and inserting “; or”; and

(2) by adding after subparagraph (A), as added by paragraph (1)(B), and preceding the flush left matter that follows paragraph (13), the following:

“(B) implement or enforce any nondisclosure policy, form, or agreement, if such policy, form, or agreement prohibits or restricts an employee from disclosing to Congress, the Office of Special Counsel, or an Office of the Inspector General any information that relates to any vio-

lation of any law, rule, or regulation, or mis-
management, a gross waste of funds, an abuse of authority, or a substantial, and specific danger to public health or safety, or any other whistleblower protection.”.

SEC. 1111. MODIFICATION OF DIRECT HIRE AUTHORITIES FOR THE DEPARTMENT OF DEFENSE.

(a) In General.—Section 9905 of title 5, United States Code, is amended—

(1) in subsection (a)—

(A) by amending paragraph (2) to read as follows:

“(2) Any cyber workforce position.”; and

(B) by adding after paragraph (4) the following:

“(5) Any scientific, technical, engineering, or mathematics positions, including technicians, within the defense acquisition workforce, or any category of acquisition positions within the Department designated by the Secretary as a shortage or critical need category.

“(6) Any scientific, technical, engineering, or mathematics position, except any such position within any defense Scientific and Technology Reinvention Laboratory, for which a qualified candidate is required to possess a bachelor’s degree or an ad-
vanced degree, or for which a veteran candidate is
being considered.

“(7) Any category of medical or health profes-

sional positions within the Department designated
by the Secretary as a shortage category or critical
need occupation.

“(8) Any childcare services position for which
there is a critical hiring need and a shortage of
childcare providers.

“(9) Any financial management, accounting,
auditing, actuarial, cost estimation, operational re-
search, or business or business administration posi-
tion, for which a qualified candidate is required to
possess a finance, accounting, management or actu-
arial science degree or a related degree, or a related
degree equivalent experience.

“(10) Any position, as determined by the Sec-
retary, for the purpose of assisting and facilitating
the efforts of the Department in business trans-
formation and management innovation.”; and

(2) by striking subsection (b) and inserting the
following:

“(b) SUNSET.—
“(1) IN GENERAL.—Except as provided in paragraph (2), effective on September 30, 2025, the authority provided under subsection (a) shall expire.

“(2) EXCEPTION.—Paragraph (1) shall not apply to the authority provided under subsection (a) to make appointments to positions described under paragraph (5) of such subsection.

“(c) SUSPENSION OF OTHER HIRING AUTHORITIES.—During the period beginning on the effective date of the regulations issued to carry out the hiring authority with respect to positions described in paragraphs (5) through (10) of subsection (a) and ending on the date described in subsection (b)(1), the Secretary of Defense may not exercise or otherwise use any hiring authority provided under the following provisions of law:

“(1) Sections 1599e(a)(2) and 1705(h) of title 10.


“(4) Sections 559 and 1101 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).”.

(b) REPORT.—

(1) IN GENERAL.—Not later than February 1, 2021, the Secretary of Defense, in coordination with the Director of the Office of Personnel Management, shall contract with a Federally funded research and development center to submit a report to the congressional defense committees and the Committee on Oversight and Reform of the House of Representatives.

(2) CONTENTS.—The report required under paragraph (1) shall—

(A) assess and identify steps that could be taken to improve the competitive hiring process at the Department and ensure that direct hiring is conducted in a manner consistent with ensuring a merit based civil service and a diverse workforce in the Department and the rest of the Federal Government; and

(B) consider the feasibility and desirability of using cohort hiring, or hiring “talent pools”, instead of conducting all hiring on a position-by-position basis.
3 OTHER MATTERS.—The Federally funded research and development center selected to carry out the report under this subsection shall, in preparing such report, consult with all stakeholders, public sector unions, hiring managers, career agency, and Office of Personnel Management personnel specialists, and survey public sector employees and job applicants, when developing its analysis and recommendations.

SEC. 1112. PERMITTED DISCLOSURES BY WHISTLEBLOWERS.

(a) Recipients of Whistleblower Disclosures.—Section 2302(b)(8)(B) of title 5, United States Code, is amended by striking “or to the Inspector” and all that follows through “such disclosures” and inserting “the Inspector General of an agency, a supervisor in the employee’s direct chain of command up to and including the head of the employing agency, or to an employee designated by any of the aforementioned individuals for the purpose of receiving such disclosures”.

(b) Determination of Budgetary Effects.—The budgetary effects of this section, for the purpose of complying with the Statutory Pay-As-You-Go Act of 2010, shall be determined by reference to the latest statement titled “Budgetary Effects of PAYGO Legislation” for this
section, submitted for printing in the Congressional Record by the Chairman of the House Budget Committee, provided that such statement has been submitted prior to the vote on passage.

**TITLE XII—MATTERS RELATING TO FOREIGN NATIONS**

**Subtitle A—Assistance and Training**

**SEC. 1201. MODIFICATION OF AUTHORITY TO BUILD CAPACITY OF FOREIGN SECURITY FORCES.**

(a) Authority.—Subsection (a)(7) of section 333 of title 10, United States Code, is amended by inserting “existing” before “international coalition operation”.

(b) Notice and Wait on Activities Under Programs.—Subsection (e) of such section is amended by adding at the end the following:

“(9) In the case of a program described in subsection (a)(7), each of the following:

“(A) A description of whether assistance under the program could be provided pursuant to other authorities under this title, the Foreign Assistance Act of 1961, or any other train and equip authorities of the Department of Defense.

“(B) An identification of each such authority described in subparagraph (A).”.
SEC. 1202. MODIFICATION AND EXTENSION OF CROSS SERVICING AGREEMENTS FOR LOAN OF PERSONNEL PROTECTION AND PERSONNEL SURVIVABILITY EQUIPMENT IN COALITION OPERATIONS.


(1) by redesignating subsections (d) and (e) as subsections (e) and (f), respectively;

(2) by inserting after subsection (c) the following:

“(d) REPORTS TO CONGRESS.—If the authority provided under this section is exercised during a fiscal year, the Secretary of Defense shall, with the concurrence of the Secretary of State, submit to the appropriate committees of Congress a report on the exercise of such authority by not later than October 30 of the year in which such fiscal year ends. Each report on the exercise of such authority shall specify the recipient country of the equipment loaned, the type of equipment loaned, and the duration of the loan of such equipment.”; and

(3) in subsection (f), as redesignated, by striking “September 30, 2019” and inserting “December 31, 2024”.

SEC. 1203. MODIFICATION OF QUARTERLY REPORT ON OBLIGATION AND EXPENDITURE OF FUNDS FOR SECURITY COOPERATION PROGRAMS AND ACTIVITIES.

Section 381(b) of title 10, United States Code, is amended by striking “30 days” and inserting “60 days”.

SEC. 1204. INTEGRATION OF GENDER PERSPECTIVES AND MEANINGFUL PARTICIPATION BY WOMEN IN SECURITY COOPERATION AUTHORITIES.

Section 333(c)(3) of title 10, United States Code, is amended—

(1) in the heading, by inserting “THE INTEGRATION OF GENDER PERSPECTIVES AND MEANINGFUL PARTICIPATION BY WOMEN,” after “FUNDAMENTAL FREEDOMS,”; and

(2) in the text, by inserting “the integration of gender perspectives and meaningful participation by women,” after “fundamental freedoms,”.

Subtitle B—Matters Relating to Afghanistan and Pakistan

SEC. 1211. EXTENSION AND MODIFICATION OF AUTHORITY FOR REIMBURSEMENT OF CERTAIN COALITION NATIONS FOR SUPPORT PROVIDED TO UNITED STATES MILITARY OPERATIONS.

(a) EXTENSION.—Subsection (a) of section 1233 of the National Defense Authorization Act for Fiscal Year
2008 (Public Law 110–181; 122 Stat. 393) is amended in the matter preceding paragraph (1) by striking “October 1, 2018, and ending on December 31, 2019” and inserting “October 1, 2019, and ending on December 31, 2020”.

(b) MODIFICATION TO LIMITATION.—Subsection (d)(1) of such section is amended—

(1) by striking “October 1, 2018, and ending on December 31, 2019” and inserting “October 1, 2019, and ending on December 31, 2020”; and

(2) by striking “$350,000,000” and inserting “$450,000,000”.

SEC. 1212. MODIFICATION AND EXTENSION OF AFGHAN SPECIAL IMMIGRANT VISA PROGRAM.

(a) PRINCIPAL ALIENS.—Subclause (I) of section 602(b)(2)(A)(ii) of the Afghan Allies Protection Act of 2009 (8 U.S.C. 1101 note) is amended to read as follows:

“(I) by, or on behalf of, the United States Government; or”.

(b) EXTENSION OF AFGHAN SPECIAL IMMIGRANT PROGRAM.—Section 602(b)(3)(F) of the Afghan Allies Protection Act of 2009 (8 U.S.C. 1101 note) is amended—

(1) in the heading, by striking “2015, 2016, AND 2017” and inserting “2015 THROUGH 2020”;
(2) in the matter preceding clause (i), by striking “18,500” and inserting “18,800”;
(3) in clause (i), by striking “December 31, 2020” and inserting “December 31, 2021”; and
(4) in clause (ii), by striking “December 31, 2020” and inserting “December 31, 2021”.

SEC. 1213. EXTENSION OF AUTHORITY TO TRANSFER DEFENSE ARTICLES AND PROVIDE DEFENSE SERVICES TO THE MILITARY AND SECURITY FORCES OF AFGHANISTAN.


(b) Excess Defense Articles.—Subsection (i)(2) of such section is amended by striking “December 31, 2020” each place it appears and inserting “December 31, 2022”.

SEC. 1214. EXTENSION AND MODIFICATION OF AUTHORITY TO ACQUIRE PRODUCTS AND SERVICES PRODUCED IN COUNTRIES ALONG A MAJOR ROUTE OF SUPPLY TO AFGHANISTAN.

(a) Termination of Authority.—Subsection (f) of section 801 of the National Defense Authorization Act for
Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2399) is amended by striking “December 31, 2019” and inserting “December 31, 2021”.

(b) REPORT ON AUTHORITY.—Such section, as so amended, is further amended by adding at the end the following:

“(g) REPORT ON AUTHORITY.—

“(1) IN GENERAL.—Not later than March 1, 2020, and March 1, 2021, the Secretary of Defense shall submit to the appropriate congressional committees a report on the use of the authority provided in subsection (a). The report shall address, at a minimum, the following:

“(A) The number of determinations made by the Secretary pursuant to subsection (b).

“(B) A description of the products and services acquired using the authority.

“(C) The extent to which the use of the authority has met the objectives of subparagraph (A), (B), or (C) of subsection (b)(2).

“(D) A list of the countries providing products or services as a result of a determination made pursuant to subsection (b).

“(2) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—For purposes of this subsection,
the term ‘appropriate congressional committees’ means—

“(A) the congressional defense committees; and

“(B) the Committee on Foreign Affairs of the House of Representatives and the Committee on Foreign Relations of the Senate.”.

SEC. 1215. AUTHORITY FOR CERTAIN PAYMENTS TO REDRESS INJURY AND LOSS IN AFGHANISTAN, IRAQ, SYRIA, SOMALIA, LIBYA, AND YEMEN.

(a) Authority.—During the period beginning on the date of the enactment of this Act and ending on December 31, 2020, not more than $5,000,000, to be derived from funds authorized to be appropriated to the Office of the Secretary of Defense under the Operation and Maintenance, Defense-wide account, may be made available for ex gratia payments for damage, personal injury, or death that is incident to combat operations of the United States Armed Forces in Afghanistan, Iraq, Syria, Somalia, Libya, and Yemen.

(b) Notice.—The Secretary of Defense shall, upon each exercise of the authority in this subsection, submit to the congressional defense committees a report setting forth the following:
(1) The amount that will be used for payments pursuant to this subsection.

(2) The manner in which claims for payments shall be verified.

(3) The officers or officials who shall be authorized to approve claims for payments.

(4) The manner in which payments shall be made.

(e) AUTHORITIES APPLICABLE TO PAYMENT.—Any payment made pursuant to this subsection shall be made in accordance with the authorities and limitations in section 8121 of the Department of Defense Appropriations Act, 2015 (division C of Public Law 113–235), other than subsection (h) of such section.

SEC. 1216. EXTENSION OF SEMIANNUAL REPORT ON ENHANCING SECURITY AND STABILITY IN AFGHANISTAN.


(1) in subsection (a)—

(A) in paragraph (2), by striking “December 15, 2020” and inserting “December 15, 2022”; and
(B) by amending paragraph (3) to read as
follows:

“(3) FORM.—Each report required under para-
graph (1) shall be submitted in unclassified form
without any designation relating to dissemination
control, but may include a classified annex.”; and

(2) in subsection (b)—

(A) by inserting “, to include the progress
of the Government of Afghanistan on securing
Afghan territory and population,” after “the
current security conditions in Afghanistan”; and

(B) by striking “and the Haqqani Net-
work” and inserting “the Haqqani Network,
and the Islamic State of Iraq and Syria
Khorasan”.

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

SEC. 1221. MODIFICATION OF AUTHORITY TO PROVIDE AS-
SISTANCE TO COUNTER THE ISLAMIC STATE
OF IRAQ AND SYRIA.

(a) LIMITATION ON AVAILABILITY OF AUTHORITY.—

Of the amounts made available for fiscal year 2020 pursu-
ant to the authorization in section 1236 of the Carl Levin
and Howard P. “Buck” McKeon National Defense Au-
Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3558), as amended by this section, not more than 70 percent may be obligated or expended until the date on which the Secretary of Defense submits to the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate a report in unclassified form, that may include a classified annex, that includes each of the following:

(1) Any updates to or changes in the plan, strategy, process, vetting requirements and process as described in subsection (e) of such section 1236, and end-use monitoring mechanisms and procedures.

(2) A description of how attacks against United States or coalition personnel are being mitigated, statistics on any such attacks, including “green-on-blue” attacks.

(3) A description of the forces receiving assistance authorized under subsection (a) of such section 1236.

(4) A description of the recruitment, throughput, and retention rates of recipients and equipment.

(5) A description of any misuse or loss of provided equipment and how such misuse or loss is being mitigated.
(6) An assessment of the operational effectiveness of the forces receiving assistance authorized under subsection (a) of such section 1236.

(7) A description of sustainment support provided to the forces authorized under subsection (a) of such section 1236.

(8) A list of new projects for construction, repair, or renovation commenced during the period covered by such progress report, and a list of projects for construction, repair, or renovation continuing from the period covered by the preceding progress report.

(9) A statement of the amount of funds expended during the period for which the report is submitted.

(10) An assessment of the effectiveness of the assistance authorized under subsection (a) of such section 1236.

(11) A list of the forces or elements of forces that are restricted from receiving assistance under subsection (a) of such section 1236, other than the forces or elements of forces with respect to which the Secretary of Defense has exercised the waiver authority under subsection (j) of such section 1236, as a result of vetting required by subsection (e) of
such section 1236 or by section 2249e of title 10, United States Code, and a detailed description of the reasons for such restriction, including for each force or element, as applicable, the following:

(A) Information relating to gross violation of human rights committed by such force or element, including the time-frame of the alleged violation.

(B) The source of the information described in subparagraph (A) and an assessment of the veracity of the information.

(C) The association of such force or element with terrorist groups or groups associated with the Government of Iran.

(D) The amount and type of any assistance provided to such force or element by the Government of Iran.

(12) An assessment of—

(A) security in liberated areas in Iraq;

(B) the extent to which security forces trained and equipped, directly or indirectly, by the United States are prepared to provide post-conflict stabilization and security in such liberated areas; and
(C) the effectiveness of security forces in
the post-conflict environment and an identification of which such forces will provide post-conflict stabilization and security in such liberated areas.

(13) A summary of available information relating to the disposition of militia groups throughout Iraq, with particular focus on groups in areas liberated from ISIS or in sensitive areas with historically mixed ethnic or minority communities.

(b) FUNDING.—Subsection (g) of section 1236 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3558) is amended—

(1) by striking “fiscal year 2019” and inserting “fiscal year 2020”; and

(2) by striking “$850,000,000” and inserting “$663,000,000”.

(c) MODIFICATION OF ELEMENTS IN QUARTERLY PROGRESS REPORTS.—Subsection (d) of such section 1236 is amended—

(1) in paragraph (11), by striking “section 2249e of title 10, United States Code” and inserting “section 362 of title 10, United States Code”; and
(2) by adding at the end the following new paragraph:

“(13) A summary of available information relating to the disposition of militia groups throughout Iraq, with particular focus on groups in areas liberated from ISIS or in sensitive areas with historically mixed ethnic or minority communities.”.

(d) CLARIFICATION WITH RESPECT TO SCOPE OF AUTHORITY.—

(1) IN GENERAL.—Subsection (j)(2) of such section 1236 is amended to read as follows:

“(2) SCOPE OF ASSISTANCE AUTHORITY.—Notwithstanding paragraph (1), the authority granted by subsection (a) may only be exercised in consultation with the Government of Iraq.”.

(2) TECHNICAL CORRECTION.—The heading of subsection (j) of such section 1236 is amended by inserting “; SCOPE” after “AUTHORITY”.

(e) TECHNICAL CORRECTION.—Subsection (c) of such section 1236 is amended in the matter preceding paragraph (1) by striking “subsection (a)(1)” and inserting “subsection (b)(1)(A)”. 
SEC. 1222. EXTENSION AND MODIFICATION OF AUTHORITY TO PROVIDE ASSISTANCE TO THE VETTED SYRIAN OPPOSITION.

(a) In general.—Section 1209 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3559) is amended as follows:

(1) In subsection (a)—

(A) in the matter preceding paragraph (1)—

(i) by inserting “, appropriately vetted local security forces in northeast Syria, including units of the Syrian Democratic Forces and their associated counter-terrorism units,” after “elements of the Syrian opposition”; and

(ii) by striking “December 31, 2019” and inserting “December 31, 2020”.

(B) in paragraph (1), by inserting “or previously controlled by ISIL” after “Syrian opposition”.

(2) By amending subsection (b) to read as follows:

“(b) Notice Before Provision of Assistance.—Not later than 15 days prior to each instance of the provision of assistance under subsection (a), the Secretary of
Defense, in coordination with the Secretary of State, shall submit to the appropriate congressional committees and leadership of the House of Representatives and Senate a notification that includes the following:

“(1) The plan for providing the assistance.

“(2) The requirements and process used to determine appropriately vetted recipients with respect to the assistance.

“(3) The mechanisms and procedures that will be used to monitor and report to the appropriate congressional committees and leadership of the House of Representatives and Senate on unauthorized end-use of provided training and equipment or other violations of relevant law by appropriately vetted recipients.

“(4) The amount, type, and purpose of assistance to be funded and the recipient of the assistance.

“(5) The budget and implementation timeline, with milestones and anticipated delivery schedule for the assistance.

“(6) A description of any material use of assistance previously provided under subsection (a) to any appropriately vetted recipient of such assistance for a purpose other than the purposes specified in sub-
section (a) that occurred since the most recent noti-

fication submitted by the Secretary pursuant to this

subsection, with a specific description of the fol-

lowing:

“(A) The details of such material misuse.

“(B) The recipient or recipients respon-

sible for such material misuse.

“(C) The consequences of such material

misuse.

“(D) The actions taken by the Secretary to

remedy the causes and effects of such material

misuse.

“(7) The goals and objectives of the assistance.

“(8) The concept of operations, timelines, and

types of training, equipment, stipends, sustainment,

construction, and supplies to be provided.

“(9) The roles and contributions of partner na-

tions.

“(10) The number and role of United States

Armed Forces personnel involved.

“(11) Any additional military support and

sustainment activities.

“(12) Any other relevant details.”.

(3) By amending subsection (c) to read as fol-

lows:
“(c) FORM.—The notifications required by subsection (b) shall be submitted in unclassified form but may include a classified annex.”.

(4) By striking subsection (f) and inserting the following:

“(f) RESTRICTION ON SCOPE OF ASSISTANCE IN THE FORM OF WEAPONS.—

“(1) IN GENERAL.—The Secretary may only provide assistance in the form of weapons pursuant to the authority under subsection (a) if such weapons are small arms, including handguns, rifles and carbines, sub-machine guns, or light machine guns.

“(2) WAIVER.—The Secretary may waive the restriction under paragraph (1) if the Secretary certifies to the appropriate congressional committees that such provision of law would (but for the waiver) impede national security objectives of the United States by prohibiting, restricting, delaying, or otherwise limiting the provision of assistance. Such waiver shall not take effect until 15 days after the date on which such certification is submitted to the appropriate congressional committees.”.

(5) In subsection (g)—

(A) by inserting “, at the end of the 15-day period beginning on the date the Secretary
notifies the congressional defense committees of
the amount, source, and intended purpose of
such contributions” after “as authorized by this
section”; and

(B) by striking “operation and main-
tenance accounts” and all that follows through
the end of the subsection and inserting “ac-
counts.”.

(6) In subsection (k), by inserting “, at the end
of the 15-day period beginning on the date the Sec-
retary notifies the congressional defense committees
of the amount, recipient, and intended purpose of
such assistance” after “authorized under this sec-
tion”.

(7) In subsection (l)—

(A) by striking “$10,000,000” and insert-
ing “$20,000,000”;

(B) by adding at the end the following new
sentence: “Amounts accepted as contributions
pursuant to the authority in subsection (g) for
construction and repair projects may be ex-
pended without regard to the limitation under
this subsection.”;
(C) by striking “REPAIR PROJECTS.—The aggregate” and inserting “REPAIR PROJECTS.—
“(1) IN GENERAL.—The aggregate”; and
(D) by adding at the end the following:
“(2) WAIVER.—The Secretary may waive the limitation under paragraph (1) if the Secretary certifies to the appropriate congressional committees that such provision of law would (but for the waiver) impede national security objectives of the United States by prohibiting, restricting, delaying, or otherwise limiting the provision of assistance. Such waiver shall not take effect until 15 days after the date on which such certification is submitted to the appropriate congressional committees.”.

(8) By striking subsection (j).

(9) By redesignating subsections (k) through (m) (as amended by this subsection) as subsections (j) through (l), respectively.

(b) EFFECTIVE DATE AND AVAILABILITY OF AUTHORITY.—

(1) IN GENERAL.—The amendments made by subsection (a) shall take effect on the date of the enactment of this section.
(2) AVAILABILITY OF AUTHORITY.—Notwithstanding paragraph (1), the Secretary may not provide assistance pursuant to the authority provided by section 1209 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3559), as amended by subsection (a) of this section, during the period beginning on January 1, 2020, and ending on the date on which each quarterly report required to be submitted pursuant to subsection (d) of such section 1209, as of the date of the enactment of this section, has been submitted.

SEC. 1223. EXTENSION AND MODIFICATION OF AUTHORITY TO SUPPORT OPERATIONS AND ACTIVITIES OF THE OFFICE OF SECURITY COOPERATION IN IRAQ.

(a) EXTENSION OF AUTHORITY.—Subsection (f)(1) of section 1215 of the National Defense Authorization Act for Fiscal Year 2012 (10 U.S.C. 113 note) is amended by striking “fiscal year 2019” and inserting “fiscal year 2020”.

(b) AMOUNT AVAILABLE.—Such section is further amended—

(1) in subsection (e), by striking “fiscal year 2019” and inserting “fiscal year 2020”; and
(2) in subsection (d), by striking “fiscal year 2019” and inserting “fiscal year 2020”.

(c) LIMITATION ON AVAILABILITY OF FUNDS.—Of the amount available for fiscal year 2020 for section 1215 of the National Defense Authorization Act for Fiscal Year 2012, as amended by this section, not more than an amount equal to 50 percent may be obligated or expended for the Office of Security Cooperation in Iraq until the date on which the Secretary of Defense certifies to the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate, that each of the following reforms relating to that Office has been completed:

(1) The appointment of a Senior Defense Official/Defense Attache to oversee the Office.

(2) The development of a Joint Service staffing plan to reorganize the Office similar to that of other security cooperation offices in the region, that places foreign area officers in key leadership positions and closes duplicative or extraneous sections.

(3) The planning and initiation of bilateral engagement with the Government of Iraq for the purpose of establishing a Joint Military Commission and the initiation and drafting of a five-year security
assistance roadmap for developing strategic and sus-
tainable military capacity and capabilities for Iraq
that includes a plan to reform Iraq’s defense indu-
trial base and security sector by reducing corruption
and optimizing procurement.

SEC. 1224. PROHIBITION ON PROVISION OF WEAPONS AND
OTHER FORMS OF SUPPORT TO CERTAIN OR-
GANIZATIONS.

None of the funds authorized to be appropriated by
this Act or otherwise made available to the Department
of Defense for fiscal year 2020 may be used to knowingly
provide weapons or any other form of support to Al Qaeda,
the Islamic State of Iraq and Syria (ISIS), Jabhat Fateh
al Sham, or any individual or group affiliated with any
such organization.

SEC. 1225. RULE OF CONSTRUCTION RELATING TO USE OF
MILITARY FORCE AGAINST IRAN.

Nothing in this Act or any amendment made by this
Act may be construed to authorize the use of military force
against Iran.

SEC. 1226. SENSE OF CONGRESS ON SUPPORT FOR MIN-
ISTRY OF PESHMERGA FORCES OF THE
KURDISTAN REGION OF IRAQ.

It is the sense of Congress that—
(1) the United States led coalition and coalition enabled partner forces, including Ministry of Peshmerga forces of the Kurdistan Region of Iraq and Iraqi Security Forces (ISF), have made significant gains in liberating all territory in Iraq from Islamic State of Iraq and Syria (ISIS) control and disrupting ISIS safe havens and networks;

(2) nevertheless, ISIS is regenerating key functions and capabilities in Iraq, and ISIS elements will continue to exist in Iraq for the foreseeable future;

(3) ISIS will attempt to rebuild combat power through clandestine networks providing sanctuary, and ISIS will continue to attempt to conduct insurgent-type activities while simultaneously recruiting and training fighters, establishing facilitation networks, and attempting to remain relevant in the information domain;

(4) the Ministry of Peshmerga forces of the Kurdistan Region of Iraq made significant contributions and sacrifices in the United States-led campaign to degrade, dismantle, and destroy ISIS; and

(5) the Department of Defense and the Department of State should continue to work with and support the non-partisan forces of the Ministry of Peshmerga of the Kurdistan Region of Iraq in order
to continue to develop their capabilities, promote security sector reforms, and enhance sustainability and interoperability with the other elements of the Iraqi security forces in order to provide for Iraq’s lasting security against terrorist threats.

**Subtitle D—Matters Relating to Russia**

**SEC. 1231. PROHIBITION ON THE USE OF FUNDS TO SUSPEND, TERMINATE, OR WITHDRAW THE UNITED STATES FROM THE OPEN SKIES TREATY.**

(a) **FINDINGS.**—Congress finds the following:

(1) Since 1992, the United States has supported the Open Skies Treaty with dedicated aircraft and observation mission teams, conducting several hundred training and observation missions with other countries.

(2) This commitment by the United States has helped to confirm and refine operational procedures, to improve implementation and effectiveness of the Open Skies Treaty, and provide United States leadership and engagement opportunities that have supported broader objectives and improved European transparency.
(3) The Open Skies Treaty provides signatories with the ability to gather information through aerial imaging on military forces and activities of concern to them which contributes to greater transparency and stability in the Euro-Atlantic region, which benefits both the United States and United States allies and partners.

(4) In order to maximize United States benefits from the Open Skies Treaty, the United States needs to recapitalize and modernize its aircraft and sensors, and the ongoing work to certify the Digital Visual Imaging System and the new effort for the Open Skies Treaty Aircraft Recapitalization (OSTAR) are critical to United States leadership and involvement in the Treaty.

(5) The current 1960s-era United States aircraft used with respect to the Open Skies Treaty are ill-suited to extreme operating environments in Russia and experience regular, unplanned maintenance issues, often resulting in mission delays or cancellations.

(6) The OSTAR effort will provide a United States aircraft capability that allows the United States to fully implement the goals and objectives of the Open Skies Treaty.
(7) The United States also demonstrated in December 2018, along with United States allies of Canada, the United Kingdom, France, Germany, and Romania, that Open Skies Treaty mechanisms can be used during times of crisis.

(8) Following Russia’s unprovoked attack on Ukrainian vessels near the Kerch Strait, the United States and United States allies conducted an “extraordinary” Open Skies Treaty observation mission over Ukraine to reaffirm commitment to Ukraine.

(b) Sense of Congress.—It is the sense of Congress that—

(1) the United States should forcefully address Russian violations of its obligations under the Open Skies Treaty; and

(2) due to the significant benefits that observation missions under the Open Skies Treaty provide to the United States and United States allies, the United States should commit to continued participation in the Treaty.

(c) Prohibition.—

(1) In general.—Except as provided in paragraph (2), none of the funds authorized to be appropriated by this Act or otherwise made available to the Department of Defense for fiscal year 2020 may
be obligated or expended to take any action to suspend, terminate, or withdraw the United States from the Open Skies Treaty.

(2) EXCEPTION.—The prohibition in paragraph (1) shall not apply if the Secretary of Defense and the Secretary of State jointly determine and certify to the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate, that—

(A) Russia is in material breach of its obligations under the Open Skies Treaty and is not taking steps to return to compliance with such obligations, and all other state parties to the Open Skies Treaty concur in such determination of the Secretaries; or

(B) withdrawing from the Open Skies Treaty would be in the best interests of United States national security and the other state parties to the Open Skies Treaty have been consulted with respect to such withdrawal.

(d) REPEAL OF LIMITATION ON USE OF FUNDS TO VOTE TO APPROVE OR OTHERWISE ADOPT ANY IMPLEMENTING DECISION OF THE OPEN SKIES CONSULTATIVE COMMISSION AND MODIFICATIONS TO REPORT.—
(1) IN GENERAL.—Section 1236 of the Na-
tional Defense Authorization Act for Fiscal Year
2017 (Public Law 114–328; 130 Stat. 2491) is
amended—

   (A) by striking subsections (a) and (b);
and

   (B) by redesignating subsections (c), (d),
   (e), and (f) as subsections (a), (b), (c), and (d),
   respectively.

(2) MODIFICATIONS TO REPORT.—Subsection
(a) of such section, as so redesignated, is amended—

   (A) in the heading, by striking “QUAR-
   TERLY” and inserting “BI-ANNUAL”;

   (B) in paragraph (1)—

      (i) by inserting “the Secretary of
      State,” before “the Secretary of Energy”;

      (ii) by striking “quarterly basis” and
      inserting “bi-annual basis”;

      (iii) by striking “by the Russian Fed-
      eration over the United States” and insert-
      ing “by all parties to the Open Skies Trea-
      ty, including the United States, under the
      Treaty”; and
(iv) by striking “calendar quarter”
and inserting “preceding 6-month period”;
and
(C) in paragraph (2), by striking subparas-
graphs (B), (C), and (D) and inserting the fol-
lowing:
“(B) In the case of an observation flight
by the United States, including an observation
flight over the territory of Russia—
“(i) an analysis of data collected that
supports United States intelligence and
military collection goals; and
“(ii) an assessment of data collected
regarding military activity that could not
be collected through other means.
“(C) In the case of an observation flight
over the territory of the United States—
“(i) an analysis of whether and the
extent to which any United States critical
infrastructure was the subject of image
capture activities of such observation
flight;
“(ii) an estimate for the mitigation
costs imposed on the Department of De-
fense or other United States Government agencies by such observation flight; and

“(iii) assessment of how such information is used by party conducting the observation flight, for what purpose, and how the information fits into the overall collection posture.”.

(3) FORM.—Subsection (c) of such section, as so redesignated, is amended by striking “certification, report, and notice” and inserting “report”.

(4) DEFINITIONS.—Subsection (d) of such section, as so redesignated, is amended—

(A) by striking paragraphs (3) and (6); and

(B) by redesignating paragraphs (4), (5), and (7) as paragraphs (3), (4), and (5), respectively.

(e) OPEN SKIES: IMPLEMENTATION PLAN.—Section 1235(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1660) is amended—

(1) in paragraph (1)—

(A) by striking “during such fiscal year” and inserting “during a calendar year”; and
(B) by striking “the President submits” and all that follows and inserting “the Secretary of Defense provides to the appropriate congressional committees a briefing on a plan described in paragraph (2) with respect to such calendar year.”;

(2) in paragraph (2), by striking “such fiscal year” and inserting “such calendar year”; and

(3) in paragraph (3), by striking “a fiscal year and submit the updated plan” and inserting “a calendar year and provide a briefing on the updated plan”.

(f) DEFINITION OF OPEN SKIES TREATY; TREATY.—In this section, the term “Open Skies Treaty” or “Treaty” means the Treaty on Open Skies, done at Helsinki March 24, 1992, and entered into force January 1, 2002.

SEC. 1232. EXTENSION OF LIMITATION ON MILITARY CO-OPERATION BETWEEN THE UNITED STATES AND RUSSIA.

Section 1232(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2488), is amended by striking “or 2019” and inserting “, 2019, or 2020”.
SEC. 1233. PROHIBITION ON AVAILABILITY OF FUNDS RELATING TO SOVEREIGNTY OF RUSSIA OVER CRIMEA.

(a) Prohibition.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Department of Defense may be obligated or expended to implement any activity that recognizes the sovereignty of Russia over Crimea.

(b) Waiver.—The Secretary of Defense, with the concurrence of the Secretary of State, may waive the restriction on the obligation or expenditure of funds required by subsection (a) if the Secretary—

(1) determines that to do so is in the national security interest of the United States; and

(2) submits a notification of the waiver, at the time the waiver is invoked, to the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives and the Committee on Armed Services and the Committee on Foreign Relations of the Senate.

SEC. 1234. MODIFICATION AND EXTENSION OF UKRAINE SECURITY ASSISTANCE INITIATIVE.

Section 1250 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1068) is amended—
(1) in subsection (a), by striking “in coordina-
tion with the Secretary of State” and inserting
“with the concurrence of the Secretary of State”;
(2) in subsection (c)—
(A) in paragraph (1), by striking “50 per-
cent of the funds available for fiscal year 2019
pursuant to subsection (f)(4)” and inserting
“50 percent of the funds available for fiscal
year 2020 pursuant to subsection (f)(5)”;
and
(B) in paragraph (3), by striking “fiscal
year 2019” and inserting “fiscal year 2020”;
and
(C) in paragraph (5), by striking “Of the
funds available for fiscal year 2019 pursuant to
subsection (f)(4)” and inserting “Of the funds
available for fiscal year 2020 pursuant to sub-
section (f)(5)”;
and
(3) in subsection (f), by adding at the end the
following:
“(5) For fiscal year 2020, $250,000,000.”.

SEC. 1235. REPORT ON TREATIES RELATING TO NUCLEAR
ARMS CONTROL.

(a) FINDINGS.—Congress finds the following:

(1) On October 24, 2018, the House Committee
on Armed Services and House Committee on For-
eign Affairs wrote to the Secretary of Defense requesting information regarding the Administration’s policies and strategies related to nuclear arms control.

(2) The Committees did not receive the requested information from the Secretary of Defense.

(b) ASSESSMENT REQUIRED.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Secretary of State and the Director of National Intelligence, shall submit to the Committee on Armed Services, the Permanent Select Committee on Intelligence, and the Committee on Foreign Affairs of the House of Representatives and the Committee on Armed Services, the Select Committee on Intelligence, and the Committee on Foreign Relations of the Senate an assessment that includes each of the following:

(1) The implications, in terms of military threat to the United States or its allies in Europe, of Russian deployment of intermediate-range cruise and ballistic missiles without restriction.

(2) What new capabilities the United States might need in order to pursue additional technologies or programs to offset such Russian capabili-
ties, and the costs associated with such capabilities, technologies, and programs.

(3) An assessment of the threat to the United States of Russia’s strategic nuclear force in the event the New START Treaty lapses.

(4) What measures could have been taken short of withdrawal, including economic, military, and diplomatic options, to increase pressure on Russia for violating the INF Treaty.

(5) The status of all consultations with allies pertaining to the INF Treaty and the threat posed by Russian forces that are noncompliant with the obligations of such treaty.

(6) The impact that Russian withdrawal from the INF Treaty and the expiration of the New START Treaty could have on long-term United States-Russia strategic stability.

(c) WITHHOLDING OF FUNDS.—Until the date of the submission of the assessment required by subsection (b), an amount that is equal to 20 percent of the total amount authorized to be appropriated to the Office of the Secretary of Defense under the Operations and Maintenance, Defense-Wide account for the travel of persons shall be withheld from obligation or expenditure.

(d) DEFINITIONS.—In this section:


SEC. 1236. SENSE OF CONGRESS ON UPDATING AND MODERNIZING EXISTING AGREEMENTS TO AVERT MISCALCULATION BETWEEN THE UNITED STATES AND RUSSIA.

It is the sense of Congress that, in order to strengthen the defense of United States and its allies and partners in Europe and avert the risk of miscalculation and unintended escalation that could lead to a broader and dangerous military catastrophe, the Secretary of Defense and Secretary of State, in consultation with the commander of United States European Command and Assistant Sec-
retary of State for European and Eurasian Affairs, should—

(1) pursue updating and modernizing the Agreement on the prevention of incidents on and over the high seas (entered into force with respect to the United States on May 25, 1972; 23 U.S.T. 1063);

(2) explore additional options to reduce the risk of accidents in the air; and

(3) explore the possibility of updating the notifications in the Vienna Document of the Organization for Security and Cooperation in Europe with a view to reducing the risk that the United States, the North Atlantic Treaty Organization, or Russia might misinterpret a military exercise, including pursuing greater use of the Vienna Document’s provision that provides for voluntary hosting of visits that seek to dispel possible concern regarding military activities.

SEC. 1237. SENSE OF CONGRESS ON SUPPORT FOR GEORGIA.

(a) FINDINGS.—Congress finds the following:

(1) Georgia is a valued friend of the United States and has repeatedly demonstrated its commitment to advancing the mutual interests of both
countries, including the deployment of Georgian forces as part of the former International Security Assistance Force (ISAF) and the current Resolute Support Mission led by the North Atlantic Treaty Organization (NATO) in Afghanistan and the Multi-National Force in Iraq.

(2) The European Deterrence Initiative builds the partnership capacity of Georgia so it can work more closely with the United States and NATO, as well as provide for its own defense.

(3) In addition to the European Deterrence Initiative, Georgia’s participation in the NATO initiative Partnership for Peace is paramount to interoperability with the United States and NATO, and establishing a more peaceful environment in the region.

(4) Despite the losses suffered, as a NATO partner, Georgia is committed to the Resolute Support Mission in Afghanistan with the fourth-largest contingent on the ground.

(b) SENSE OF CONGRESS.—Congress—

(1) reaffirms United States support for Georgia’s sovereignty and territorial integrity within its internationally-recognized borders, and does not recognize the independence of the Abkhasia and South
Ossetia regions currently occupied by the Russian Federation; and

(2) supports continued cooperation between the United States and Georgia and the efforts of the Government of Georgia to provide for the defense of its people and sovereign territory.

SEC. 1238. SENSE OF CONGRESS ON SUPPORT FOR ESTONIA, LATVIA, AND LITHUANIA.

(a) FINDINGS.—Congress finds the following:

(1) The Baltic countries of Estonia, Latvia, and Lithuania are highly valued allies of the United States, and they have repeatedly demonstrated their commitment to advancing our mutual interests as well as those of the NATO Alliance.

(2) Operation Atlantic Resolve is a series of exercises and coordinating efforts demonstrating the United States’ commitment to its European partners and allies, including the Baltic countries of Estonia, Latvia, and Lithuania, with the shared goal of peace and stability in the region. Operation Atlantic Resolve strengthens communication and understanding, and is an important effort to deter Russian aggression in the region.

(3) Through Operation Atlantic Resolve, the European Deterrence Initiative undertakes exercises,
training, and rotational presence necessary to reassure and integrate our allies, including the Baltic countries, into a common defense framework.

(4) All three Baltic countries contributed to the NATO-led International Security Assistance Force in Afghanistan, sending troops and operating with few caveats. The Baltic countries continue to commit resources and troops to the Resolute Support Mission in Afghanistan.

(b) SENSE OF CONGRESS.—Congress—

(1) reaffirms its support for the principle of collective defense in Article 5 of the North Atlantic Treaty for our NATO allies, including Estonia, Latvia, and Lithuania;

(2) supports the sovereignty, independence, territorial integrity, and inviolability of Estonia, Latvia, and Lithuania as well as their internationally recognized borders, and expresses concerns over increasingly aggressive military maneuvering by the Russian Federation near their borders and airspace;

(3) expresses concern over and condemns subversive and destabilizing activities by the Russian Federation within the Baltic countries; and

(4) encourages the Administration to further enhance defense cooperation efforts with Estonia,
Latvia, and Lithuania and supports the efforts of their Governments to provide for the defense of their people and sovereign territory.

Subtitle E—Matters Relating to the Indo-Pacific Region

SEC. 1241. MODIFICATION OF INDO-PACIFIC MARITIME SECURITY INITIATIVE.

(a) Types of Assistance and Training.—Subsection (c)(2)(A) of section 1263 of the National Defense Authorization Act for Fiscal Year 2016 (10 U.S.C. 2282 note) is amended by inserting “the law of armed conflict, the rule of law, and” after “respect for”.

(b) Notice to Congress on Assistance and Training.—Subsection (g)(1) of such section is amended—

(1) in subparagraph (A), by inserting at the end before the period the following: “, the specific unit or units whose capacity to engage in activities under a program of assistance or training to be provided under subsection (a) will be built under the program, and the amount, type, and purpose of the support to be provided”;

(2) by redesignating subparagraph (F) as subparagraph (J); and
(3) by inserting after subparagraph (E) the following new subparagraphs:

“(F) Information, including the amount, type, and purpose, on assistance and training provided under subsection (a) during the three preceding fiscal years, if applicable.

“(G) A description of the elements of the theater campaign plan of the geographic combatant command concerned and the interagency integrated country strategy that will be advanced by the assistance and training provided under subsection (a).

“(H) A description of whether assistance and training provided under subsection (a) could be provided pursuant to—

“(i) section 333 of title 10, United States Code, or other security cooperation authorities of the Department of Defense;

or

“(ii) security cooperation authorities of the Department of State.

“(I) An identification of each such authority described in subparagraph (H).”.

(c) ANNUAL MONITORING REPORTS.—Such section is amended—
(1) by redesignating subsection (h) as subsection (j); and

(2) by inserting after subsection (g) the following new subsection:

“(h) ANNUAL MONITORING REPORTS.—

“(1) IN GENERAL.—Not later than December 31, 2019, and annually thereafter, the Secretary of Defense shall submit to the appropriate committees of Congress a report setting forth, for the preceding calendar year, the following:

“(A) Information, by recipient foreign country, on the status of funds allocated for assistance and training provided under subsection (a), including funds allocated but not yet obligated or expended.

“(B) Information, by recipient foreign country, on the delivery and use of assistance and training provided under subsection (a).

“(C) Information, by recipient foreign country, on the timeliness of delivery of assistance and training provided under subsection (a) as compared to the timeliness of delivery of assistance and training previously provided to the foreign country under subsection (a).
“(2) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this subsection, the term ‘appropriate committees of Congress’ has the meaning given the term in subsection (g)(2).”.

(d) LIMITATIONS.—Such section, as so amended, is further amended by inserting after subsection (h), as added by subsection (c)(2), the following:

“(i) LIMITATIONS.—

“(1) ASSISTANCE OTHERWISE PROHIBITED BY LAW.—The Secretary of Defense may not use the authority in subsection (a) to provide any type of assistance or training that is otherwise prohibited by any provision of law.

“(2) PROHIBITION ON ASSISTANCE TO UNITS THAT HAVE COMMITTED GROSS VIOLATIONS OF HUMAN RIGHTS.—The provision of assistance and training pursuant to a program under subsection (a) shall be subject to the provisions of section 362 of title 10, United States Code.

“(3) ASSESSMENT, MONITORING, AND EVALUATION OF PROGRAMS AND ACTIVITIES.—The provision of assistance and training pursuant to a program under subsection (a) shall be subject to the provisions of section 383 of title 10, United States Code.”.
(e) REPORT.—

(1) IN GENERAL.—Not later than January 31, 2020, the Secretary of Defense, with the concurrence of the Secretary of State, shall submit to the appropriate congressional committees a report on the implementation of the Indo-Pacific Maritime Security Initiative under section 1263 of the National Defense Authorization Act for Fiscal Year 2016, as amended by this section.

(2) MATTERS TO BE INCLUDED.—The report required by paragraph (1) shall include the following:

(A) Objectives of the Initiative, including—

(i) a discussion of United States security requirements that are satisfied or enhanced under the Initiative; and

(ii) an assessment of progress toward each such objective and the metrics used to assess such progress.

(B) A discussion of how the Initiative relates to, complements, or overlaps with other United States security cooperation and security assistance authorities.

(C) A description of the process and criteria by which the utilization of each such au-
authority or authorities described in subparagraph (B) is determined.

(D) An assessment, by recipient foreign country, of—

(i) the country’s capabilities relating to maritime security and maritime domain awareness;

(ii) the country’s capability enhancement priorities, including how such priorities relate to the theater campaign strategy, country plan, and theater campaign plan relating to maritime security and maritime domain awareness;

(E) A discussion, by recipient foreign country, of—

(i) priority capabilities that the Department of Defense plans to enhance under the Initiative and priority capabilities the Department plans to enhance under separate United States security cooperation and security assistance authorities; and

(ii) the anticipated timeline for assistance and training for each such capability.
(F) Information, by recipient foreign country, on the delivery and use of assistance and training provided under the Initiative.

(G) Any other matters the Secretary of Defense determines should be included.

(3) FORM.—The report required by paragraph (1) shall be submitted in unclassified form without any designation relating to dissemination control, but may include a classified annex.

(4) DEFINITION.—In this section, the term ‘‘appropriate congressional committees’’ means—

(A) the congressional defense committees;

and

(B) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1242. EXTENSION AND MODIFICATION OF REPORT ON MILITARY AND SECURITY DEVELOPMENTS INVOLVING NORTH KOREA.

(a) EXTENSION.—Subsection (a) of section 1236 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81; 125 Stat. 1641) is amended—

(1) by striking ‘‘and November 1, 2017’’ and inserting ‘‘November 1, 2017, April 1, 2020, and April 1, 2021’’; and
(2) by inserting “(without any designation relating to dissemination control)” after “unclassified”.

(b) ADDITIONAL MATTERS TO BE INCLUDED.—Subsection (b) of such section is amended—

(1) by redesignating paragraph (8) as paragraph (9); and

(2) by inserting after paragraph (7) the following new paragraph:

“(8) Developments in North Korea’s nuclear program, including the size and state of North Korea’s stockpile of nuclear weapons, its nuclear strategy and associated doctrines, its civil and military production capacities, and projections of its future arsenals.”.

SEC. 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 SOUTH KOREA.

None of the funds authorized to be appropriated by this Act may be used to reduce the total number of members of the Armed Forces serving on active duty who are deployed to South Korea below 28,500 unless the Secretary of Defense first certifies to the congressional defense committees the following:
Such a reduction is in the national security interest of the United States and will not significantly undermine the security of United States allies in the region.

(2) The Secretary has appropriately consulted with allies of the United States, including South Korea and Japan, regarding such a reduction.

SEC. 1244. REPORT ON DIRECT, INDIRECT, AND BURDEN-SHARING CONTRIBUTIONS OF JAPAN AND SOUTH KOREA.

(a) In General.—Not later than March 1, 2020, and March 1, 2021, the Secretary of Defense shall submit to the appropriate congressional committees a report on the direct, indirect, and burden-sharing contributions of Japan and South Korea to support overseas military installations of the United States and United States Armed Forces deployed to or permanently stationed in Japan and South Korea, respectively.

(b) Elements.—The report required by subsection (a) shall include the following:

(1) The benefits to United States national security and regional security derived from the forward presence of United States Armed Forces in the Indo-Pacific region, including Japan and South Korea.
(2) For calendar year 2016 and each subsequent calendar year, a description of the one-time and recurring costs associated with the presence of United States Armed Forces in Japan and South Korea, including—

(A) costs to relocate the Armed Forces within Japan and South Korea and to realign the Armed Forces from Japan and South Korea;

(B) military personnel costs;

(C) operation and maintenance costs; and

(D) military construction costs.

(3) A description of direct, indirect, and burden-sharing contributions of Japan and South Korea, including—

(A) contributions for labor costs associated with the presence of United States Armed Forces;

(B) contributions to military construction projects of the Department of Defense, including planning, design, environmental reviews, construction, construction management costs, rents on privately-owned land, facilities, labor, utilities, and vicinity improvements;
(C) contributions such as loan guarantees on public-private venture housing and payment-in-kind for facilities returned to Japan and South Korea;

(D) contributions accepted for labor, logistics, utilities, facilities, and any other purpose;

and

(E) other contributions as determined appropriate by the Secretary.

(4) The methodology and accounting procedures used to measure and track direct, indirect, and burden-sharing contributions made by Japan and South Korea.

(e) Description of Contributions in United States Dollars.—The report required by subsection (a) shall describe the direct, indirect, and burden-sharing contributions of Japan and South Korea in United States dollars and shall specify the exchange rates used to determine the United States dollar value of such contributions.

(d) Form.—The report required by subsection (a) shall be submitted in unclassified form without any designation relating to dissemination control, but may contain a classified annex.
(c) **APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.**—In this section, the term “appropriate congressional committees” means—

(1) the congressional defense committees; and

(2) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

**SEC. 1245. REPORT ON STRATEGY ON THE PHILIPPINES.**

(a) **STRATEGY REQUIRED.**—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Secretary of State, shall submit to the appropriate congressional committees a report describing the Department of Defense’s objectives and strategy for achieving such objectives with the Philippines.

(b) **ELEMENTS OF STRATEGY.**—The strategy required by subsection (b) shall include the following:


(2) A description of the regional security environment, including an assessment of threats to United States national security interests and the
role of the Department of Defense in addressing such threats, including—

(A) a description of security challenges detrimental to regional peace and global stability;

(B) a description of violent extremist organizations present in the Philippines and the primary objectives of each such organization, including—

(i) an assessment of the size and capability of each such organization;

(ii) an assessment of the transnational threat posed by each such organization;

(iii) an assessment of recent trends in the capability and influence of each such organization; and

(iv) a description of the metrics used to assess the capability and influence of each such organization.

(3) A description of Department of Defense objectives with respect to the Philippines and the benchmarks for assessing progress towards such objectives.

(4) An identification of all current and planned Department of Defense resources, programs, and ac-
tivities to support the strategy, including a review of
the necessity of an ongoing named operation and the
criteria used to determine such necessity.

(5) An identification of all current and planned
Department of Defense security cooperation and
other support or assistance programs or activities in
the Philippines, including—

(A) a description of the purpose, objec-
tives, and type of training, equipment, or assist-
ance provided under each such program or ac-
tivity;

(B) an identification of the lead agency re-
sponsible for each such program or activity;

(C) an identification of the authority or
authorities under which each such program or
activity is conducted;

(D) a description of the process and cri-
teria used to determine utilization between each
such authority or authorities;

(E) a description of how each such pro-
gram or activity advances United States na-
tional security interests as it relates to the De-
partment’s strategy on the Philippines;

(F) an identification of the specific units of
the Philippine national security forces to receive
training, equipment, or assistance under each such program;

(G) a description of the process and criteria by which specific units of the Philippine national security forces are selected as recipients of such programs and activities;

(H) an assessment of the current operational effectiveness of such units and their command and control structures and a description of the metrics used to make and carry out such assessment;

(I) an identification of priority capabilities of such units to enhance through training, equipment, or assistance under each such program or activity;

(J) a plan to monitor and assess each such program or activity to meet its objectives to enhance the capabilities of each such unit;

(K) a description of the planned posture of United States Armed Forces and the planned level of engagement by such forces with elements of the Philippine national security forces; and

(L) an identification of—
(i) units of the Philippine national security forces that are alleged or determined to have committed human rights abuses; and

(ii) units of the Philippine national security forces that are under the command and control of any unit identified under clause (i) or otherwise associated with any such unit.

(6) A description of relations of the Philippines with other countries in the Indo-Pacific region.

(7) Any other matters the Secretary of Defense determines should be included.

(e) FORM.—The strategy required by subsection (b) shall be submitted in unclassified form without any designation relating to dissemination control, but may contain a classified annex.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the congressional defense committees; and

(2) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.
SEC. 1246. MODIFICATION OF ANNUAL REPORT ON MILITARY AND SECURITY DEVELOPMENTS INVOLVING THE PEOPLE'S REPUBLIC OF CHINA.

(a) Annual Report.—Subsection (a) of section 1202 of the National Defense Authorization Act for Fiscal Year 2000 (10 U.S.C. 113 note) is amended by inserting “, in consultation with the heads of other Federal departments and agencies as appropriate,” after “the Secretary of Defense”.

(b) Matters to Be Included.—Subsection (b) of such section is amended by striking paragraph (26) and inserting the following:

“(26) An assessment of Chinese overseas investment, including a state-owned or controlled digital or physical infrastructure project of China, and their relationship to Chinese security and military objectives, including implications for United States military or government interests related to denial of access, compromised intelligence activities, and network advantages.”.

(c) Specified Congressional Committees.—Subsection (c) of such section is amended—

(1) in paragraph (1), by striking “and the Committee on Foreign Relations” and inserting “, the
Committee on Foreign Relations, and the Select Committee on Intelligence”; and

(2) in paragraph (2), by striking “and the Committee on International Relations” and inserting “the Committee on Foreign Affairs, and the Permanent Select Committee on Intelligence”.

(d) OTHER DEFINITIONS.—Such section, as so amended, is further amended—

(1) by redesignating subsection (d) as subsection (e); and

(2) by inserting after subsection (c) the following:

“(d) OTHER DEFINITIONS.—

“(1) IN GENERAL.—In subsection (b)(26), the term ‘state-owned or controlled digital or physical infrastructure project of China’ means a transportation, energy, or information technology infrastructure project owned, controlled, under the direct or indirect influence of, or subsidized by the Government of China, including any agency, instrumentality, subdivision, or other unit of government at any level of jurisdiction.

“(2) OWNED; CONTROLLED.—In paragraph (1)—
“(A) the term ‘owned’, with respect to a project, means a majority or controlling interest, whether by value or voting interest, in that project, including through fiduciaries, agents, or other means; and

“(B) the term ‘controlled’, with respect to a project, means—

“(i) the power by any means to determine or influence, directly or indirectly, important matters affecting the project, regardless of the level of ownership and whether or not that power is exercised; and

“(ii) any Chinese company operating in a sector identified as a strategic industry in the Chinese Government’s ‘Made in China 2025’ strategy to make China a ‘manufacturing power’ as a core national interest.”.

SEC. 1247. MODIFICATION OF ANNUAL REPORT ON MILITARY AND SECURITY DEVELOPMENTS INVOLVING THE PEOPLE'S REPUBLIC OF CHINA.

(a) Annual Report.—Subsection (a) of section 1202 of the National Defense Authorization Act for Fiscal Year 2000 (10 U.S.C. 113 note) is amended by inserting
“in consultation with the heads of other Federal departments and agencies as appropriate,” after “the Secretary of Defense”.

(b) MATTERS TO BE INCLUDED.—Subsection (b) of such section is amended by adding at the end the following:

“(29) Developments relating to the China Coast Guard (in this paragraph referred to as the ‘CCG’), including an assessment of—

“(A) how the change in the CCG’s command structure to report to China’s Central Military Commission affects the CCG’s status as a law enforcement entity;

“(B) the implications of the CCG’s command structure with respect to the use of the CCG as a coercive tool in ‘gray zone’ activity in the East China Sea and the South China Sea; and

“(C) how the change in the CCG’s command structure may affect interactions between the CCG and the United States Navy.”.

(c) SPECIFIED CONGRESSIONAL COMMITTEES.—Subsection (c) of such section is amended—

(1) in paragraph (1), by striking “and the Committee on Foreign Relations” and inserting “, the
Committee on Foreign Relations, and the Select Committee on Intelligence”; and

(2) in paragraph (2), by striking “and the Committee on International Relations” and inserting “, the Committee on Foreign Affairs, and the Permanent Select Committee on Intelligence”.

SEC. 1248. SENSE OF CONGRESS ON TAIWAN.

It is the sense of Congress that—

(1) the Taiwan Relations Act (22 U.S.C. 3301 et seq.) and the “Six Assurances” are both cornerstones of United States relations with Taiwan;

(2) the United States should continue to strengthen defense and security cooperation with Taiwan to support the development of capable, ready, and modern defense forces necessary for Taiwan to maintain a sufficient self-defense capability, including capabilities in support of an asymmetric defense strategy;

(3) the United States should continue to support the acquisition by Taiwan of appropriate defensive weapons through foreign military sales, direct commercial sales, and industrial cooperation, with a particular emphasis on asymmetric warfare, information sharing, air defense, and maritime capabilities, consistent with the Taiwan Relations Act;
(4) the United States should improve the predictability of arms sales to Taiwan by ensuring timely review of and response to requests of Taiwan for defense articles and defense services as well as timely notification to Congress and adherence to congressional oversight and review procedures; and

(5) the Secretary of Defense, in consultation with the Secretary of State, should promote policies concerning cooperation and exchanges that enhance the security of Taiwan, including exchanges between senior defense officials and general officers of the United States and Taiwan consistent with the Taiwan Travel Act (Public Law 115–135).

SEC. 1249. ENHANCING DEFENSE COOPERATION WITH SINGAPORE.

It is the sense of Congress that—

(1) the United States Armed Forces and Singaporean armed forces have built a strong and enduring security partnership based on long-standing and mutually beneficial cooperation;

(2) security cooperation between the United States Armed Forces and Singaporean armed forces is crucial to promoting peace and stability in the Asia-Pacific region;
(3) Singapore’s status as a major security cooperation partner of the United States, as recognized in the “2005 Strategic Framework Agreement between the United States and the Republic of Singapore for a Closer Partnership in Defense and Security”, has an important role in the promotion of peace and stability, and global efforts to counter terrorism;

(4) Singapore’s provision of access to its military facilities for the United States has supported the continued security presence of the United States in Southeast Asia;

(5) the Singaporean armed forces’ support of United States-led multinational reconstruction efforts in Iraq from 2003 to 2008, reconstruction and stabilization efforts in Afghanistan from 2007 to 2013, counter-piracy operations in the Gulf of Aden under the ambit of Combined Task Force 151, and contribution of physical and military assets to the Defeat-ISIS Coalition since 2014, has contributed to global efforts to counter terrorism;

(6) in recognition of the enduring security partnership between the United States and Singapore, the Secretary of State, in consultation with the Secretary of Defense, should, in negotiating the renewal
of the “1990 Memorandum of Understanding Regarding the United States Use of Facilities in Singapore” that is due in 2020:

(A) reinforce Singapore’s status as a major security cooperation partner of the United States;

(B) enhance defense cooperation; and

(C) increase interoperability between the United States Armed Forces and Singaporean armed forces to promote peace and stability in the Asia-Pacific region.

Subtitle F—Matters Relating to Europe and NATO

SEC. 1251. EXTENSION AND MODIFICATION OF NATO SPECIAL OPERATIONS HEADQUARTERS.

(a) AUTHORIZATION.—Subsection (a) of section 1244 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2541) is amended by striking “2020” and inserting “2023”.

(b) REPEAL OF CERTIFICATION; LIMITATION.—Such section is amended—

(1) by striking subsection (c); and

(2) by inserting after subsection (b) the following new subsection:
“(c) LIMITATION.—Of the amounts made available under subsection (a) for fiscal year 2020, not more than 90 percent of such amounts may be obligated or expended until the Secretary of Defense, acting through the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict, submits to the congressional defense committees a report on the rearrangement of responsibilities for overseeing and supporting NSHQ from U.S. Special Operations Command to U.S. European Command in 2019, including—

“(1) a justification and description of the impact of such rearrangement; and

“(2) a description of how such rearrangement will strengthen the role of the NSHQ in fostering special operations capabilities within NATO.”.

(e) ANNUAL REPORT.—Such section, as so amended, is further amended by adding at the end the following new subsection:

“(d) ANNUAL REPORT.—Not later than March 1 of each year until 2024, the Secretary of Defense shall submit to the congressional defense committees and the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives a report regarding support for the NSHQ. Each report shall include the following:
“(1) The total amount of funding provided by
the United States and other NATO nations to the
NSHQ for operating costs of the NSHQ.

“(2) A description of the activities carried out
with such funding, including—

“(A) the amount of funding allocated for
each such activity;

“(B) the extent to which other NATO na-
tions participate in each such activity;

“(C) the extent to which each such activity
is carried out in coordination or cooperation
with the Joint Special Operations University;

“(D) the extent to which each such activity
is carried out in relation to other security co-
operation activities, exercises, or operations of
the Department of Defense;

“(E) the extent to which each such activity
is designed to meet the purposes set forth in
paragraphs (1) through (5) of subsection (b);

and

“(F) an assessment of the extent to which
each such activity will promote the mission of
the NSHQ.
“(3) Other contributions, financial or in kind, provided by the United States and other NATO nations in support of the NSHQ.

“(4) Any other matters that the Secretary of Defense considers appropriate.”

SEC. 1252. MODIFICATION AND EXTENSION OF FUTURE YEARS PLAN AND PLANNING TRANSPARENCY FOR THE EUROPEAN DETERRENCE INITIATIVE.

(a) PLAN REQUIRED.—Section 1273(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1696) is amended—

(1) in paragraph (1), by striking “the date of the enactment of this Act” and inserting “the date of the enactment of the National Defense Authorization Act for Fiscal Year 2020, and annually thereafter”; and

(2) in paragraph (2) to read as follows:

“(2) APPLICABILITY.—The initial plan shall apply with respect to fiscal year 2021 and at least the four succeeding fiscal years and each subsequent plan shall apply with respect to the next subsequent fiscal year and at least the four succeeding fiscal years.”.
(b) **Budget Display Information.**—The Secretary of Defense shall include in the materials submitted to Congress by the Secretary in support of the budget of the President for fiscal year 2021 and each fiscal year thereafter (as submitted under section 1105 of title 31, United States Code), a detailed budget display for the European Deterrence Initiative that includes the following information (regardless of whether the funding line is for overseas contingency operations):

1. With respect to procurement accounts—
   1. (A) amounts displayed by account, budget activity, line number, line item, and line item title; and
   2. (B) a description of the requirements for each such amounts specific to the Initiative.

2. With respect to research, development, test, and evaluation accounts—
   1. (A) amounts displayed by account, budget activity, line number, program element, and program element title; and
   2. (B) a description of the requirements for each such amounts specific to the Initiative.

3. With respect to operation and maintenance accounts—
(A) amounts displayed by account title, budget activity title, line number, and sub-
activity group title; and

(B) a description of how such amounts will specifically be used.

(4) With respect to military personnel ac-
counts—

(A) amounts displayed by account, budget activity, budget subactivity, and budget sub-
activity title; and

(B) a description of the requirements for each such amounts specific to the Initiative.

(5) With respect to each project under military construction accounts (including with respect to un-
specified minor military construction and amounts for planning and design), the country, location, project title, and project amount by fiscal year.

SEC. 1253. PROTECTION OF EUROPEAN DETERRENCE INI-
TIATIVE FUNDS FROM DIVERSION FOR OTHER PURPOSES.

(a) REPORT ON OBLIGATION OF FUNDS.—

(1) IN GENERAL.—Not later than 15 days after any obligation of funds in an amount of $10,000,000 or more for the European Deterrence Initiative for fiscal year 2020 and each fiscal year
thereafter, the Secretary of Defense shall submit to
the congressional defense committees a report on
that obligation of such funds for that fiscal year.

(2) MATTERS TO BE INCLUDED.—Each report
under paragraph (1) shall specify—

(A) the activities and forms of assistance
for which the Secretary obligated such funds;

and

(B) the amount of the obligation.

(b) END OF FISCAL YEAR REPORT.—Not later than
November 30, 2020, and annually thereafter, the Sec-
retary of Defense shall submit to the congressional defense
committees a report that contains—

(1) a detailed summary of funds obligated for
the European Deterrence Initiative for the preceding
fiscal year; and

(2) a detailed comparison of funds obligated for
the European Deterrence Initiative for the preceding
fiscal year to amounts requested for the Initiative
for that fiscal year in the materials submitted to
Congress by the Secretary in support of the budget
of the President for that fiscal year as required by
section 1252(b), including with respect to each of
the accounts described in paragraphs (1), (2), (3),
(4), and (5) of section 1252(b) and the information
required under each such paragraph.

SEC. 1254. STATEMENT OF POLICY ON UNITED STATES
MILITARY INVESTMENT IN EUROPE.

It is the policy of the United States to develop, imple-
ment, and sustain a credible deterrent against aggression
and long-term strategic competition by the Government of
Russia in order to enhance regional and global security
and stability, including by the following:

(1) Increased United States presence in Eu-
rope, including additional permanently stationed
forces, continued rotational deployments, increased
pre-positioned military equipment, and sufficient and
necessary infrastructure additions and improvements
throughout Europe.

(2) Planning regarding the United States mili-
tary footprint in Europe to recognize the essential
role played by United States allies and partners in
establishing deterrence and advancing regional and
global security and stability.

(3) Commitment to the North Atlantic Treaty
Organization (NATO) and its founding values and
commitments by NATO allies to the common de-
fense, including NATO goals regarding defense in-
vestments, and to NATO’s founding principles of democracy, individual liberty, and the rule of law.

(4) Planning to ensure the United States military footprint in Europe is holistic and geographically appropriate for a comprehensive response to the challenges posed by the Government of Russia across numerous European fronts.

(5) Commitment to United States Government investment and prioritization of efforts in Europe, particularly through efforts led by the Department of State, to counter the Government of Russia’s global campaign to interfere in and undermine democratic systems of government, elections, values, and institutions, and disrupt United States alliances and partnerships, through indirect action (such as information operations intended to influence), including robust information sharing and cooperation with partners and allies to counter influence campaigns and sufficient cyber, counter-messaging, and intelligence resources.

(6) Planning to take into account the importance of strategic stability, arms control, and strategic dialogue as they contribute to United States national security, collective defense, and regional and global security.
(7) Encouraging increased communication by NATO officials, to raise awareness of the Alliance’s mission, efforts, and concerns achieved by actively engaging with Congress and the executive branch.

SEC. 1255. LIMITATION ON TRANSFER OF F–35 AIRCRAFT TO TURKEY.

(a) LIMITATION.—Except as provided in subsection (b), no funds authorized to be appropriated or otherwise made available to the Department of Defense for fiscal year 2020 may be obligated or expended—

(1) to transfer, facilitate the transfer, or authorize the transfer of, any F–35 aircraft or related support equipment or parts to Turkey;

(2) to transfer intellectual property, technical data, or material support necessary for or related to any maintenance or support of the F–35 aircraft necessary to establish Turkey’s indigenous F–35 capability; or

(3) to construct a storage facility for, or otherwise facilitate the storage in Turkey of, any F–35 aircraft transferred to Turkey.

(b) EXCEPTION.—The Secretary of Defense, jointly with the Secretary of State, may waive the limitation under subsection (a) only if such Secretaries submit to the appropriate congressional committees a written certifi-
cation that contains a determination of such Secretaries, and any relevant documentation that forms the basis for the determination, that—

(1) the Government of Turkey has provided credible assurances that Turkey will not accept delivery of the S–400 air and missile defense system from Russia; or

(2) if the Government of Turkey has previously accepted delivery of the S–400 air and missile defense system from the Russia, the Government of Turkey—

(A) no longer possesses the S–400 air and missile defense system or any other equipment, materials, or personnel associated with such system; and

(B) has provided credible assurances that it will not in the future accept delivery of the S–400 air and missile defense system.

(c) APPLICABILITY.—The limitation under subsection (a) does not apply with respect to F–35 aircraft operated by the United States Armed Forces.

(d) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term “appropriate congressional committees” means—
(A) the congressional defense committees;

and

(B) the Committee on Foreign Relations of
the Senate and the Committee on Foreign Af-
fairs of the House of Representatives.

(2) TRANSFER.—The term “transfer” includes,
with respect to an F–35 aircraft, the physical relocation
of the F–35 aircraft outside of the United States.

SEC. 1256. REPORT ON VALUE OF INVESTMENTS IN DUAL
USE INFRASTRUCTURE PROJECTS BY NATO
MEMBER STATES.

(a) IN GENERAL.—Not later than June 1, 2020, the
Secretary of Defense, jointly with the Secretary of State,
shall submit to the appropriate congressional committees
a report on the value of investments in dual use infrastruc-
ture projects by the member states of the North Atlantic
Treaty Organization (NATO) in order to improve military
mobility and interoperability across Europe.

(b) ELEMENTS.—The report required by subsection
(a) shall include the following:

(1) The value to collective deterrence provided
by investments in dual use infrastructure projects by
the member states of NATO in order to meet the
military mobility goals set out at the 2018 NATO Summit in Brussels.

(2) An assessment of proposed dual use infrastructure projects for NATO.

(3) A assessment of proposed of dual use infrastructure projects with respect to which the United States can provide support, including a recommended prioritization of such projects.

(e) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

(d) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term “appropriate congressional committees” means—

(A) the congressional defense committees;

and

(B) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

(2) DUAL USE INFRASTRUCTURE PROJECTS.—

The term “dual use infrastructure projects” means those projects identified by the European Commission Action Plan on Military Mobility as necessary to improve the trans-European transport network.
(TEN-T) to meet the military requirements for military mobility within and beyond the European Union.

SEC. 1257. SENSE OF CONGRESS ON SUPPORT FOR POLAND.

(a) FINDINGS.—Congress makes the following findings:

(1) Poland has been a valued member of the North Atlantic Treaty Organization (NATO) since 1999 and an important ally of the United States, contributing to the collective defense of NATO allies and deterrence in Europe.

(2) Poland has made significant contributions of forces to United States and NATO-led military operations in Afghanistan, Iraq, Kosovo, and countering the Islamic State in Iraq and Syria.

(3) Poland contributed at least 2 percent of its gross domestic product to defense spending in 2018, meeting its commitment under the Wales Declaration.

(4) Poland currently hosts on a rotational basis United States forces from the Armored Combat Brigade Team, a Combat Aviation Brigade, a NATO enhanced Forward Presence Battalion, and a U.S. Aegis Ashore missile defense site.
(b) Sense of Congress.—It is the sense of Congress that—

(1) the United States reaffirms its support for the principle of collective defense in Article 5 of the North Atlantic Treaty for its NATO allies, including Poland;

(2) the United States appreciates the important role that Poland plays in NATO efforts to sustain credible deterrence in Europe;

(3) the United States supports continued defense cooperation and continued exploration of opportunities for joint military cooperation, infrastructure enhancement, and defense investment with Poland; and

(4) the current and planned projects in Poland funded by the European Deterrence Initiative should be fully implemented in order to support existing and future United States military activity.

Subtitle G—Other Matters

Sec. 1261. Sense of Congress on United States Partners and Allies.

It is the sense of Congress that—

(1) United States partners and allies are critical to achieving United States national security interests and defense objectives around the world;
(2) strong military-to-military relationships with partners and allies have helped to solidify and undergird the post-World War II international order and enhanced the United States’ security through common defense; and

(3) the United States should pursue a long-term policy to strengthen existing military-to-military relationships and cooperation with partners and allies to achieve mutual objectives, and build new relationships based on common values and shared interests.

SEC. 1262. MODIFICATION TO REPORT ON LEGAL AND POLICY FRAMEWORKS FOR THE USE OF MILITARY FORCE.

Section 1264 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1689) is amended—

(1) in the heading for subsection (a), by striking “INITIAL” and inserting “ANNUAL”;

(2) in subsection (a)(1), by striking “90 days after the date of the enactment of this Act” and inserting “March 1 of each year”; and

(3) in subsection (a)(2), by striking “during the period” and all that follows to the end and inserting “from the preceding year.”.
SEC. 1263. LIMITATION ON AVAILABILITY OF CERTAIN FUNDS UNTIL REPORT SUBMITTED ON DEPARTMENT OF DEFENSE AWARDS AND DISCIPLINARY ACTION AS A RESULT OF THE 2017 INCIDENT IN NIGER.

Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for Operation and Maintenance, Defense-Wide, Office of the Secretary of Defense, for Travel of Persons, not more than 80 percent of such funds may be obligated or expended until the date on which the Secretary of Defense submits to the congressional defense committees a report that contains a description of each award and disciplinary action issued, by rank, as a result of the AR 15-6 investigation findings relating to the incident in Niger in 2017. The report shall be submitted in a format that protects personally identifiable information and is consistent with national security.

SEC. 1264. INDEPENDENT ASSESSMENT OF SUFFICIENCY OF RESOURCES AVAILABLE TO UNITED STATES SOUTHERN COMMAND AND UNITED STATES AFRICA COMMAND.

(a) IN GENERAL.—The Secretary of Defense shall seek to enter into a contract with a not-for-profit entity or federally funded research and development center independent of the Department of Defense to conduct an as-
assessment of the sufficiency of resources available to United
States Southern Command and United States Africa Com-
mand to carry out their respective missions.

(b) MATTERS TO BE INCLUDED.—The assessment
described in subsection (a) shall include—

(1) an assessment of the sufficiency of the re-
sources available to United States Southern Com-
mand and United States Africa Command, including
personnel, human resources, and financial resources,
in promoting United States national security inter-
est;

(2) an assessment of the level of regional expert-
tise and experience of the leadership of each such
combatant command and their subordinate organiza-
tions, service components, and task forces, to include
personnel from agencies other than the Department
of Defense;

(3) a description of the strategic objectives and
end states in the geographic region for which each
such combatant command has responsibility and a
comparison of the importance and priority of the re-
sources available to each such combatant command
to perform its mission; and

(4) an assessment of the ability of each such
combatant command to carry out such strategie ob-
jectives and end states, including an assessment of
resources available, forces available, and other inter-
agency resources available to the combatant com-
mand.

(c) ACCESS TO INFORMATION.—The not-for-profit
entity or federally funded research and development center
with which the Secretary enters into the contract under
subsection (a) shall have full and direct access to all infor-
mation related to resources available to United States
Southern Command and United States Africa Command.

(d) REPORT.—

(1) IN GENERAL.—Not later than 240 days
after the date of the enactment of this Act, the not-
for-profit entity or federally funded research and de-
velopment center with which the Secretary of De-
fense enters into the contract under subsection (a)
shall submit to the Secretary of Defense, the Sec-
retary of State, and the Administrator of the United
States Agency for International Development a re-
port that contains the assessment required by sub-
section (a).

(2) SUBMISSION TO CONGRESS.—Not later than
1 year after the date of the enactment of this Act,
the Secretary of Defense shall submit to the appro-
priate congressional committees—
(A) a copy of such report without change;

and

(B) any comments, changes, recommendations, or other information of the Secretary of Defense, the Secretary of State, and the Administrator of the United States Agency for International Development relating to the assessment required by subsection (a) and contained in such report.

(e) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the congressional defense committees; and

(2) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1265. RULE OF CONSTRUCTION RELATING TO USE OF MILITARY FORCE.

Nothing in this Act or any amendment made by this Act may be construed to authorize the use of military force.
SEC. 1266. RULE OF CONSTRUCTION RELATING TO USE OF MILITARY FORCE AGAINST VENEZUELA.

Nothing in this Act or any amendment made by this Act may be construed to authorize the use of military force against Venezuela.

SEC. 1267. SENSE OF CONGRESS ON ACQUISITION BY TURKEY OF PATRIOT SYSTEM.

(a) FINDINGS.—Congress finds the following:

(1) The Government of Turkey has indicated in a communication to Congress that there remains an opportunity to meet Turkey’s requirement for an air and missile defense capability through the acquisition of the Patriot system from the United States.

(2) The acquisition of the Patriot system could remove the need to acquire the S-400 air and missile defense system from Russia, which is incompatible with the integrated air and missile defense system of the North Atlantic Treaty Organization (NATO) and should preclude Turkey’s participation in the F-35 Joint Strike Fighter (JSF) consortium program with the United States.

(b) SENSE OF CONGRESS.—Congress—

(1) supports the efforts of the United States Government to achieve a satisfactory arrangement with Turkey by which Turkey acquires the Patriot system to defend its airspace, which would preserve...
Turkey as a production partner in the F-35 JSF consortium program;

(2) encourages the Department of Defense to secure the deployment of a Patriot system to Turkey, under United States or NATO operational control, for the purpose of providing Turkey with an interim capability to address urgent vulnerabilities in Turkey’s air and missile defense during the period in which an agreement is reached for Turkey’s acquisition of the Patriot system; and

(3) notes that any such deployment of the Patriot or a NATO interoperable system in the interim is contingent on Turkey’s commitment to cancel the S-400 air and missile defense system acquisition.

Subtitle H—Baltic Reassurance Act

SEC. 1271. FINDINGS.

Congress finds the following:

(1) Russia seeks to diminish the North Atlantic Treaty Organization (NATO) and recreate its sphere of influence in Europe using coercion, intimidation, and outright aggression.

(2) Deterring Russia from such aggression is vital for transatlantic security.

(3) The illegal occupation of Crimea by Russia and its continued engagement of destabilizing and
subversive activities against independent and free states is of increasing concern.

(4) Russia also continues to disregard treaties, international laws and rights to freedom of navigation, territorial integrity, and sovereign international borders.

(5) Russia’s continued occupation of Georgian and Ukrainian territories and the sustained military buildup in Russia’s Western Military District and Kaliningrad has threatened continental peace and stability.

(6) The Baltic countries of Estonia, Latvia, and Lithuania are particularly vulnerable to an increasingly aggressive and subversive Russia.

(7) In a declaration to celebrate 100 years of independence of Estonia, Latvia, and Lithuania issued on April 3, 2018, the Trump Administration reaffirmed United States commitments to these Baltic countries to “improve military readiness and capabilities through sustained security assistance” and “explore new ideas and opportunities, including air defense, bilaterally and in NATO, to enhance deterrence across the region”.

(8) These highly valued NATO allies of the United States have repeatedly demonstrated their
commitment to advancing mutual interests as well as those of the NATO alliance.

(9) The Baltic countries also continue to participate in United States-led exercises to further promote coordination, cooperation, and interoperability among allies and partner countries, and continue to demonstrate their reliability and commitment to provide for their own defense.

(10) Lithuania, Latvia, and Estonia each hosts a respected NATO Center of Excellence that provides expertise to educate and promote NATO allies and partners in areas of vital interest to the alliance.

(11) United States support and commitment to allies across Europe has been a lynchpin for peace and security on the continent for over 70 years.

SEC. 1272. SENSE OF CONGRESS.

It is the sense of Congress as follows:

(1) The United States is committed to the security of the Baltic countries and should strengthen cooperation and support capacity-building initiatives aimed at improving the defense and security of such countries.

(2) The United States should lead a multilateral effort to develop a strategy to deepen joint capabilities with Lithuania, Latvia, Estonia, NATO al-
lies, and other regional partners, to deter against ag-
gression from Russia in the Baltic region, specifi-
cally in areas that would strengthen interoperability,
joint capabilities, and military readiness necessary
for Baltic countries to strengthen their national re-
silience.

(3) The United States should explore the feasi-
bility of providing additional air and missile defense
systems in the Baltic region, including through
leveraging cost-sharing mechanisms and multilateral
deployment with NATO allies to reduce financial
burdens on host countries.

SEC. 1273. DEFENSE ASSESSMENT.

(a) In General.—Not later than 1 year after the
date of the enactment of this Act, the Secretary of Defense
and the Secretary of State shall jointly conduct a com-
prehensive, multilateral assessment of the military re-
quirements of such countries to deter and resist aggres-
sion by Russia that—

(1) provides an assessment of past and current
initiatives to improve the efficiency, effectiveness,
readiness and interoperability of Lithuania, Latvia,
and Estonia’s national defense capabilities; and

(2) assesses the manner in which to meet those
objectives, including future resource requirements
and recommendations, by undertaking activities in the following areas:

(A) Activities to increase the rotational and forward presence, improve the capabilities, and enhance the posture and response readiness of the United States or forces of NATO in the Baltic region.

(B) Activities to improve air defense systems, including modern air-surveillance capabilities.

(C) Activities to improve counter-unmanned aerial system capabilities.

(D) Activities to improve command and control capabilities through increasing communications, technology, and intelligence capacity and coordination, including secure and hardened communications.

(E) Activities to improve intelligence, surveillance, and reconnaissance capabilities.

(F) Activities to enhance maritime domain awareness.

(G) Activities to improve military and defense infrastructure, logistics, and access, particularly transport of military supplies and equipment.
(H) Investments to ammunition stocks and storage.

(I) Activities and training to enhance cyber security and electronic warfare capabilities.

(J) Bilateral and multilateral training and exercises.

(K) New and existing cost-sharing mechanisms with United States and NATO allies to reduce financial burden.

(b) REPORT.—Not later than 1 year after the date of the enactment of this Act, the Secretary of Defense and the Secretary of State jointly shall submit to the appropriate congressional committees a report, which shall be submitted in unclassified form but may include a classified annex, that includes each of the following:

(1) A report on the findings of the assessment conducted pursuant to subsection (a).

(2) A list of any recommendations resulting from such assessment.

(3) An assessment of the resource requirements to achieve the objectives described in subsection (a)(1) with respect to the national defense capability of Baltic countries, including potential investments by host countries.
(4) A plan for the United States to use appropriate security cooperation authorities or other authorities to—

(A) facilitate relevant recommendations included in the list described in paragraph (2);

(B) expand joint training between the Armed Forces and the military of Lithuania, Latvia, or Estonia, including with the participation of other NATO allies; and

(C) support United States foreign military sales and other equipment transfers to Baltic countries especially for the activities described in subparagraphs (A) through (I) of subsection (a)(2).

SEC. 1274. APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.

In this subtitle, the term “appropriate congressional committees” means—

(1) the Committee on Armed Services, the Committee on Foreign Affairs, the Permanent Select Committee on Intelligence, and the Committee on Appropriations of the House of Representatives; and

(2) the Committee on Armed Services, the Committee on Foreign Relations, the Select Com-
mittee on Intelligence, and the Committee on Appropriations of the Senate.

**TITLE XIII—COOPERATIVE THREAT REDUCTION**

**SEC. 1301. FUNDING ALLOCATIONS.**

Of the $338,700,000 authorized to be appropriated to the Department of Defense for fiscal year 2020 in section 301 and made available by the funding table in division D for the Department of Defense Cooperative Threat Reduction Program established under section 1321 of the Department of Defense Cooperative Threat Reduction Act (50 U.S.C. 3711), the following amounts may be obligated for the purposes specified:

1. For strategic offensive arms elimination, $492,000.
2. For chemical weapons destruction, $12,856,000.
3. For global nuclear security, $33,919,000.
4. For cooperative biological engagement, $183,642,000.
5. For proliferation prevention, $79,869,000.
6. For activities designated as Other Assessments/Administrative Costs, $27,922,000.
SEC. 1302. SPECIFICATION OF COOPERATIVE THREAT REDUCTION FUNDS.

Funds appropriated pursuant to the authorization of appropriations in section 301 and made available by the funding table in division D for the Department of Defense Cooperative Threat Reduction Program shall be available for obligation for fiscal years 2020, 2021, and 2022.

TITLE XIV—OTHER AUTHORIZATIONS

Subtitle A—Military Programs

SEC. 1401. WORKING CAPITAL FUNDS.

Funds are hereby authorized to be appropriated for fiscal year 2020 for the use of the Armed Forces and other activities and agencies of the Department of Defense for providing capital for working capital and revolving funds, as specified in the funding table in section 4501.

SEC. 1402. CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2020 for expenses, not otherwise provided for, for Chemical Agents and Munitions Destruction, Defense, as specified in the funding table in section 4501.

(b) Use.—Amounts authorized to be appropriated under subsection (a) are authorized for—
the destruction of lethal chemical agents and munitions in accordance with section 1412 of the Department of Defense Authorization Act, 1986 (50 U.S.C. 1521); and

(2) the destruction of chemical warfare materiel of the United States that is not covered by section 1412 of such Act.

SEC. 1403. DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE-WIDE.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2020 for expenses, not otherwise provided for, for Drug Interdiction and Counter-Drug Activities, Defense-wide, as specified in the funding table in section 4501.

SEC. 1404. DEFENSE INSPECTOR GENERAL.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2020 for expenses, not otherwise provided for, for the Office of the Inspector General of the Department of Defense, as specified in the funding table in section 4501.

SEC. 1405. DEFENSE HEALTH PROGRAM.

Funds are hereby authorized to be appropriated for fiscal year 2020 for the Defense Health Program for use of the Armed Forces and other activities and agencies of the Department of Defense for providing for the health
of eligible beneficiaries, as specified in the funding table in section 4501.

SEC. 1406. NATIONAL DEFENSE SEALIFT FUND.

Funds are hereby authorized to be appropriated for fiscal year 2020 for the National Defense Sealift Fund, as specified in the funding tables in section 4501.

Subtitle B—Other Matters

SEC. 1411. AUTHORITY FOR TRANSFER OF FUNDS TO JOINT DEPARTMENT OF DEFENSE—DEPARTMENT OF VETERANS AFFAIRS MEDICAL FACILITY DEMONSTRATION FUND FOR CAPTAIN JAMES A. LOVELL HEALTH CARE CENTER, ILLINOIS.

(a) Authority for Transfer of Funds.—Of the funds authorized to be appropriated by section 1405 and available for the Defense Health Program for operation and maintenance, $127,500,000 may be transferred by the Secretary of Defense to the Joint Department of Defense—Department of Veterans Affairs Medical Facility Demonstration Fund established by subsection (a)(1) of section 1704 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2571). For purposes of subsection (a)(2) of such section 1704, any funds so transferred shall be treated as amounts authorized and appropriated specifically for the purpose of such a transfer.
(b) Use of Transferred Funds.—For the purposes of subsection (b) of such section 1704, facility operations for which funds transferred under subsection (a) may be used are operations of the Captain James A. Lovell Federal Health Care Center, consisting of the North Chicago Veterans Affairs Medical Center, the Navy Ambulatory Care Center, and supporting facilities designated as a combined Federal medical facility under an operational agreement covered by section 706 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat. 4500).

SEC. 1412. AUTHORIZATION OF APPROPRIATIONS FOR ARMED FORCES RETIREMENT HOME.

There is hereby authorized to be appropriated for fiscal year 2020 from the Armed Forces Retirement Home Trust Fund the sum of $64,300,000 for the operation of the Armed Forces Retirement Home.
TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

Subtitle A—Authorization of Appropriations

SEC. 1501. PURPOSE.

The purpose of this title is to authorize appropriations for the Department of Defense for fiscal year 2020 to provide additional funds for overseas contingency operations being carried out by the Armed Forces.

SEC. 1502. PROCUREMENT.

Funds are hereby authorized to be appropriated for fiscal year 2020 for procurement accounts for the Army, the Navy and the Marine Corps, the Air Force, and Defense-wide activities, as specified in the funding table in section 4102.

SEC. 1503. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.

Funds are hereby authorized to be appropriated for fiscal year 2020 for the use of the Department of Defense for research, development, test, and evaluation, as specified in the funding table in section 4202.
SEC. 1504. OPERATION AND MAINTENANCE.

Funds are hereby authorized to be appropriated for fiscal year 2020 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for operation and maintenance, as specified in the funding table in section 4302.

SEC. 1505. MILITARY PERSONNEL.

Funds are hereby authorized to be appropriated for fiscal year 2020 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, military personnel accounts, as specified in the funding table in section 4402.

SEC. 1506. WORKING CAPITAL FUNDS.

Funds are hereby authorized to be appropriated for fiscal year 2020 for the use of the Armed Forces and other activities and agencies of the Department of Defense for providing capital for working capital and revolving funds, as specified in the funding table in section 4502.

SEC. 1507. DRUG INTERDICATION AND COUNTER-DRUG ACTIVITIES, DEFENSE-WIDE.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2020 for expenses, not otherwise provided for, for Drug Interdiction and Counter-Drug Activities, Defense-wide, as specified in the funding table in section 4502.
SEC. 1508. DEFENSE INSPECTOR GENERAL.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2020 for expenses, not otherwise provided for, for the Office of the Inspector General of the Department of Defense, as specified in the funding table in section 4502.

SEC. 1509. DEFENSE HEALTH PROGRAM.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2020 for expenses, not otherwise provided for, for the Defense Health Program, as specified in the funding table in section 4502.

Subtitle B—Financial Matters

SEC. 1511. TREATMENT AS ADDITIONAL AUTHORIZATIONS.

The amounts authorized to be appropriated by this title are in addition to amounts otherwise authorized to be appropriated by this Act.

SEC. 1512. SPECIAL TRANSFER AUTHORITY.

(a) AUTHORITY TO TRANSFER AUTHORIZATIONS.—

(1) AUTHORITY.—Upon determination by the Secretary of Defense that such action is necessary in the national interest, the Secretary may transfer amounts of authorizations made available to the Department of Defense in this title for fiscal year 2019 between any such authorizations for that fiscal year (or any subdivisions thereof). Amounts of authorizations so transferred shall be merged with and be
available for the same purposes as the authorization
to which transferred.

(2) LIMITATION.—The total amount of author-
izations that the Secretary may transfer under the
authority of this subsection may not exceed
$500,000,000.

(b) TERMS AND CONDITIONS.—

(1) IN GENERAL.—Transfers under this section
shall be subject to the same terms and conditions as
transfers under section 1001.

(2) ADDITIONAL LIMITATION ON TRANSFERS
FOR DRUG INTERDICTIO AND COUNTER DRUG AC-
TIVITIES.—The authority provided by subsection (a)
may not be used to transfer any amount to Drug
Interdiction and Counter Drug Activities, Defens-
wide.

(c) ADDITIONAL AUTHORITY.—The transfer author-
ity provided by this section is in addition to the transfer
authority provided under section 1001.

Subtitle C—Other Matters

SEC. 1521. AFGHANISTAN SECURITY FORCES FUND.

(a) CONTINUATION OF PRIOR AUTHORITIES AND NO-
TICE AND REPORTING REQUIREMENTS.—Funds available
to the Department of Defense for the Afghanistan Secu-
rity Forces Fund for fiscal year 2020 shall be subject to the conditions contained in—

(1) subsections (b) through (f) of section 1513 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 428); and

(2) section 1521(d)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2577).

(b) EQUIPMENT DISPOSITION.—

(1) ACCEPTANCE OF CERTAIN EQUIPMENT.— Subject to paragraph (2), the Secretary of Defense may accept equipment that is procured using amounts authorized to be appropriated for the Afghanistan Security Forces Fund by this Act and is intended for transfer to the security forces of the Ministry of Defense and the Ministry of the Interior of the Government of Afghanistan, but is not accepted by such security forces.

(2) CONDITIONS ON ACCEPTANCE OF EQUIPMENT.—Before accepting any equipment under the authority provided by paragraph (1), the Commander of United States forces in Afghanistan shall make a determination that such equipment was procured for the purpose of meeting requirements of the
security forces of the Ministry of Defense and the
Ministry of the Interior of the Government of Af-
ghanistan, as agreed to by both the Government of
Afghanistan and the Government of the United
States, but is no longer required by such security
forces or was damaged before transfer to such secu-

(3) ELEMENTS OF DETERMINATION.—In mak-
ing a determination under paragraph (2) regarding
equipment, the Commander of United States forces
in Afghanistan shall consider alternatives to the ac-
ceptance of such equipment by the Secretary. An ex-
planation of each determination, including the basis
for the determination and the alternatives consid-
ered, shall be included in the relevant quarterly re-
port required under paragraph (5).

(4) TREATMENT AS DEPARTMENT OF DEFENSE
STOCKS.—Equipment accepted under the authority
provided by paragraph (1) may be treated as stocks
of the Department of Defense upon notification to
the congressional defense committees of such treat-

(5) QUARTERLY REPORTS ON EQUIPMENT DIS-
POSITION.—
(A) In general.—Not later than 90 days after the date of the enactment of this Act and every 90-day period thereafter during which the authority provided by paragraph (1) is exercised, the Secretary shall submit to the congressional defense committees a report describing the equipment accepted during the period covered by such report under the following:

(i) This subsection.

(ii) Section 1521(b) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2575).

(iii) Section 1531(b) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1088).


(v) Section 1531(d) of the National Defense Authorization Act for Fiscal Year
(B) ELEMENTS.—Each report under subparagraph (A) shall include a list of all equipment that was accepted during the period covered by such report and treated as stocks of the Department of Defense and copies of the determinations made under paragraph (2), as required by paragraph (3).

(c) SECURITY OF AFGHAN WOMEN.—

(1) IN GENERAL.—Of the funds available to the Department of Defense for the Afghan Security Forces Fund for fiscal year 2020, it is the goal that $45,500,000, but in no event less than $10,000,000, shall be used for—

(A) the recruitment, integration, retention, training, and treatment of women in the Afghan National Defense and Security Forces; and

(B) the recruitment, training, and contracting of female security personnel for future elections.

(2) TYPES OF PROGRAMS AND ACTIVITIES.—

Such programs and activities may include—
(A) efforts to recruit and retain women into the Afghan National Defense and Security Forces, including the special operations forces;

(B) programs and activities of the Directorate of Human Rights and Gender Integration of the Ministry of Defense of Afghanistan and the Office of Human Rights, Gender and Child Rights of the Ministry of Interior of Afghanistan;

(C) development and dissemination of gender and human rights educational and training materials and programs within the Ministry of Defense and the Ministry of Interior of Afghanistan;

(D) efforts to address harassment and violence against women within the Afghan National Defense and Security Forces;

(E) improvements to infrastructure that address the requirements of women serving in the Afghan National Defense and Security Forces, including appropriate equipment for female security and police forces, and transportation for policewomen to their station;

(F) support for Afghanistan National Police Family Response Units; and
(G) security provisions for high-profile female police and military officers.

(d) **Assessment of Afghanistan Progress on Objectives.**—

(1) **Assessment Required.**—Not later than June 1, 2020, the Secretary of Defense shall, in consultation with the Secretary of State, submit to the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives and the Committee on Armed Services and the Committee on Foreign Relations of the Senate an assessment describing—

(A) the progress of the Government of the Islamic Republic of Afghanistan toward meeting shared security objectives; and

(B) the efforts of the Government of the Islamic Republic of Afghanistan to manage, employ, and sustain the equipment and inventory provided under subsection (a).

(2) **Matters to Be Included.**—In conducting the assessment required by paragraph (1), the Secretary of Defense shall include each of the following:

(A) A consideration of the extent to which the Government of Afghanistan has a strategy for, and has taken steps toward, increased ac-
countability and the reduction of corruption
within the Ministry of Defense and the Ministry
of Interior of Afghanistan.

(B) A consideration of the extent to which
the capability and capacity of the Afghan Na-
tional Defense and Security Forces have im-
proved as a result of Afghanistan Security
Forces Fund investment, including through
training, and an articulation of the metrics used
to assess such improvements.

(C) A consideration of the extent to which
the Afghan National Defense and Security
Forces have been able to increase pressure on
the Taliban, al-Qaeda, the Haqqani network,
the Islamic State of Iraq and Syria-Khorasan,
and other terrorist organizations, including by
re-taking territory, defending territory, and dis-
rupting attacks.

(D) A consideration of the distribution
practices of the Afghan National Defense and
Security Forces and whether the Government of
Afghanistan is ensuring that supplies, equip-
ment, and weaponry supplied by the United
States are appropriately distributed to, and em-
ployed by, security forces charged with fighting the Taliban and other terrorist organizations.

(E) A consideration of the extent to which the Government of Afghanistan has designated the appropriate staff, prioritized the development of relevant processes, and provided or requested the allocation of resources necessary to support a peace and reconciliation process in Afghanistan.

(F) A description of the ability of the Ministry of Defense and the Ministry of Interior of Afghanistan to manage and account for previously divested equipment, including a description of any vulnerabilities or weaknesses of the internal controls of such Ministry of Defense and Ministry of Interior and any plan in place to address shortfalls.

(G) A description of the monitoring and evaluation systems in place to ensure assistance provided under subsection (a) is used only for the intended purposes.

(H) A description of any significant irregularities in the divestment of equipment to the Afghan National Defense and Security Forces during the period beginning on May 1, 2019,
and ending on May 1, 2020, including any
major losses of such equipment or any inability
on the part of the Afghan National Defense and
Security Forces to account for equipment so
procured.

(I) A description of the sustainment and
maintenance costs required during the period
beginning on May 1, 2019, and ending on May
1, 2020, for major weapons platforms pre-
viously divested, and a plan for how the Afghan
National Defense and Security Forces intends
to maintain such platforms in the future.

(J) A consideration of the extent to which
the Government of Afghanistan is adhering to
conditions for receiving assistance established in
annual financial commitment letters or any
other bilateral agreements with the United
States.

(K) A consideration of the extent to which
the Government of Afghanistan has made
progress in achieving security sector bench-
marks as outlined by the United States-Afghan
Compact (commonly known as the “Kabul
Compact”).
(L) Such other factors as the Secretaries consider appropriate.

(3) FORM.—The assessment required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(4) WITHHOLDING OF ASSISTANCE FOR INSUFFICIENT PROGRESS.—

(A) IN GENERAL.—If the Secretary of Defense determines, in coordination with the Secretary of State and pursuant to the assessment under paragraph (1), that the Government of Afghanistan has made insufficient progress in the areas described in paragraph (2), the Secretary of Defense shall—

(i) withhold $480,000,000, to be derived from amounts made available for assistance for the Afghan National Defense and Security Forces, from expenditure or obligation until the date on which the Secretary certifies to Congress that the Government of Afghanistan has made sufficient progress; and

(ii) notify Congress not later than 30 days before withholding such funds.
(B) WAIVER.—If the Secretary of Defense determines that withholding such assistance would impede the national security objectives of the United States by prohibiting, restricting, delaying, or otherwise limiting the provision of assistance, the Secretary may waive the withholding requirement under subparagraph (A) if the Secretary, in coordination with the Secretary of State, certifies such determination to Congress not later than 30 days before the effective date of the waiver.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

Subtitle A—Space Activities

SEC. 1601. NATIONAL SECURITY SPACE LAUNCH PROGRAM.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) ensuring opportunities for future competition in the National Security Space Launch program of the Air Force will decrease the overall cost of the program and increase the likelihood of success with respect to the Department of Defense stopping the use of Russian-made RD–180 rocket engines, as required by section 1608 of the Carl Levin and How-

(2) while Congress supports robust competition within the National Security Space Launch program, Congress recognizes the importance of providing a regular launch manifest and incentives for a robust industrial base to support national security requirements.

(b) Phase Two Acquisition Strategy.—In carrying out the phase two acquisition strategy, the Secretary of the Air Force—

(1) shall ensure, except as provided by subsection (c), that launch services are procured only from National Security Space Launch providers that are offerors using launch vehicles or families of launch vehicles that meet all of the requirements of the Air Force for the delivery of all required payloads to all reference orbits; and

(2) may not substantially change the acquisition schedule or mission performance requirements.

(c) Competitive Procedures.—If the Secretary of the Air Force awards phase two contracts for more than a total of 29 launches, the Secretary shall ensure that each such contract for any launch after the 29th launch is
awarded using competitive procedures among all National
Security Space Launch providers.

(d) FUNDING FOR CERTIFICATION AND INFRASTRUCTURE.—

(1) AUTHORITY.—Pursuant to section 2371b of title 10, United States Code, the Secretary of the Air Force shall enter into an agreement described in paragraph (2) with either National Security Space Launch providers that have not entered into a phase two contract for launch services occurring before fiscal year 2022 or National Security Space Launch providers that have entered into a phase two contract but have not entered into a launch services agreement for such phase, or both.

(2) AGREEMENTS.—An agreement described in this paragraph is an agreement that provides a National Security Space Launch provider with not more than $500,000,000 for the provider to meet the certification and infrastructure requirements that are—

(A) unique to national security space missions; and

(B) necessary for a phase two contract, including such contracts described in subsection (e).
(e) DOWN SELECT NOTIFICATION.—The Under Secretary of Defense for Acquisition and Sustainment, in coordination with the Secretary of the Air Force, shall submit to the appropriate congressional committees written notification of the two National Security Space Launch providers selected during fiscal year 2020 by the Secretary of the Air Force to be awarded phase two contracts not later than 10 days before the Secretary publicly announces such selection. The notification shall include, at a minimum—

(1) an identification of the selected providers;

(2) the evaluation criteria used in the selection;

(3) the total costs to the Air Force for such contracts; and

(4) a risk assessment of the selected providers in meeting national security requirements.

(f) REPORT.—Not later than 45 days after the date on which the Secretary of the Air Force awards phase two contracts during fiscal year 2020, the Secretary shall submit to the appropriate congressional committees a report on—

(1) the total defense investments made with respect to launch service agreements and engine development for each National Security Space Launch provider so awarded such phase two contracts; and
(2) how such investments in launch service providers were accounted for in the evaluation of the offers for such phase two contracts.

(g) DEFINITIONS.—In this section:

(1) The term “appropriate congressional committees” means—

(A) the congressional defense committees; and

(B) the Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.

(2) The term “phase two acquisition strategy” means the process by which the Secretary of the Air Force enters into phase two contracts and carries out launches under the National Security Space Launch program during fiscal years 2020 through 2024.

(3) The term “phase two contract” means a contract for launch services under the National Security Space Launch program during fiscal years 2020 through 2024, as described in solicitation number FA8811–19–R–0002 of the Air Force.
SEC. 1602. PREPARATION TO IMPLEMENT PLAN FOR USE OF ALLIED LAUNCH VEHICLES.

(a) PREPARATION.—The Secretary of Defense, in coordination with the Director of National Intelligence, shall take actions necessary to prepare to implement the plan developed pursuant to section 1603 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2584) regarding using allied launch vehicles to meet the requirements for achieving the policy relating to assured access to space set forth in section 2273 of title 10, United States Code.

(b) ACTIONS REQUIRED.—In carrying out subsection (a), the Secretary shall—

(1) identify the satellites of the United States that would be appropriate to be launched on an allied launch vehicle;

(2) assess the relevant provisions of Federal law, regulations, and policies governing the launch of national security satellites and determine whether any legislative, regulatory, or policy actions (including with respect to waivers) would be necessary to allow for the launch of a national security satellite on an allied launch vehicle; and

(3) address any certification requirements necessary for such use of allied launch vehicles and the
estimated cost, schedule, and actions necessary to certify allied launch vehicles for such use.

(c) SUBMISSION TO CONGRESS.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate congressional committees a report on preparing to implement the plan described in subsection (a), including information regarding each action required by paragraphs (1), (2), and (3) of subsection (b).

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the congressional defense committees; and

(2) the Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.

SEC. 1603. ANNUAL DETERMINATION ON PLAN ON FULL INTEGRATION AND EXPLOITATION OF OVERHEAD PERSISTENT INFRARED CAPABILITY.

Section 1618(c) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2431 note) is amended by striking “for a fiscal year” and inserting “for each fiscal year preceding fiscal year 2029”.

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SEC. 1604. SPACE-BASED ENVIRONMENTAL MONITORING

MISSION REQUIREMENTS.

(a) NRO.—

(1) PROCUREMENT.—The Director of the National Reconnaissance Office shall procure a modernized pathfinder program free-flyer satellite that—

(A) addresses space-based environmental monitoring mission requirements;

(B) reduces the risk that the Department of Defense experiences a gap in meeting such requirements during the period beginning January 1, 2023, and ending December 31, 2025; and

(C) is launched not later than January 1, 2023.

(2) PLAN.—Not later than 60 days after the date of the enactment of this Act, the Director, in coordination with the Secretary of the Air Force, shall submit to the appropriate congressional committees a plan for the Director to procure and launch the satellite under paragraph (1), including with respect to—

(A) the requirements for such satellite, including operational requirements;

(B) timelines for such procurement and launch;
(C) costs for such procurement and launch;

and

(D) the launch plan.

(3) PROCEDURES.—The Director shall ensure that the satellite under paragraph (1) is procured using full and open competition through the use of competitive procedures.

(b) AIR FORCE.—The Secretary of the Air Force shall ensure that the electro-optical/infrared weather system satellite—

(1) meets space-based environmental monitoring mission requirements;

(2) is procured using full and open competition through the use of competitive procedures; and

(3) is launched not later than September 30, 2025.

(c) DEFINITIONS.—In this section:

(1) The term “appropriate congressional committees” means—

(A) the congressional defense committees;

and

(B) the Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.
(2) The term “space-based environmental monitoring mission requirements” means the national security requirements for cloud characterization and theater weather imagery.

SEC. 1605. PROTOTYPE PROGRAM FOR MULTI-GLOBAL NAVIGATION SATELLITE SYSTEM RECEIVER DEVELOPMENT.

(a) Prototype Multi-GNSS Program.—The Secretary of Defense shall establish under the Space Development Agency a program to prototype an M-code based, multi-global navigation satellite system receiver that is capable of receiving covered signals to increase the resilience and capability of military position, navigation, and timing equipment against threats to the Global Positioning System and to deter the likelihood of attack on the worldwide Global Positioning System by reducing the benefits of such an attack.

(b) Elements.—In carrying out the program under subsection (a), the Secretary shall—

(1) with respect to each covered signal that could be received by the prototype receiver under such program, conduct an assessment of the relative benefits and risks of using that signal, including with respect to any existing or needed monitoring infrastructure that would alert users of the Depart-
ment of Defense of potentially corrupted signal information, and the cyber risks and challenges of incorporating such signals into a properly designed receiver;

(2) ensure that monitoring systems are able to include any monitoring network of the United States or allies of the United States;

(3) conduct an assessment of the benefits and risks, including with respect to the compatibility of non-United States global navigation satellite system signals with existing position, navigation, and timing equipment of the United States, and the extent to which the capability to receive such signals would impact current receiver or antenna design; and

(4) conduct an assessment of the desirability of establishing such program in a manner that—

(A) is a cooperative effort, coordinated with the Secretary of State, between the United States and the allies of the United States that may also have interest in funding a multi-global navigation satellite system and M-code program; and

(B) the Secretary of Defense, in coordination with the Secretary of State, ensures that the United States has access to sufficient in-
sight into trusted signals of allied systems to
assure potential reliance by the United States
on such signals.

(c) BRIEFING.—Not later than 90 days after the date
of the enactment of this Act, the Director of the Space
Development Agency, in coordination with the Air Force
GPS User Equipment Program office, shall provide to the
congressional defense committees a briefing on a plan to
carry out the program under subsection (a) that in-
cludes—

(1) the estimated cost, including total cost and
out-year funding requirements;

(2) the schedule for such program;

(3) a plan for how the results of the program
could be incorporated into future blocks of the Global
Positioning System military user equipment pro-
gram; and

(4) the recommendations and analysis contained
in the study sponsored by the Department of De-
defense conducted by the MITRE Corporation on the
risks, benefits, and approaches to adding multi-global
navigation satellite system capabilities to military
user equipment.

(d) REPORT.—Not later than 120 days after the date
of the enactment of this Act, the Secretary of Defense
shall submit to the congressional defense committees, the
Committee on Foreign Affairs of the House of Representa-
tives, and the Committee on Foreign Relations of the Sen-
ate a report containing—

(1) an explanation of how the Secretary intends
to comply with section 1609 of the John S. McCain
National Defense Authorization Act for Fiscal Year
2019 (Public Law 115–232; 132 Stat. 2110);

(2) an outline of any potential cooperative ef-
forts acting in accordance with the North Atlantic
Treaty Organization, the European Union, or Japan
that would support such compliance;

(3) an assessment of the potential to host, or
incorporate through software-defined payloads, Global-
Positioning System M-code functionality onto al-
lied global navigation satellite system systems; and

(4) an assessment of new or enhanced moni-
toring capabilities that would be needed to incor-
porate global navigation satellite system
functionality into weapon systems of the Depart-
ment.

(c) LIMITATION.—Of the funds authorized to be ap-
propriated by this Act or otherwise made available for fis-
cal year 2020 for increment 2 of the acquisition of military
Global Positioning System user equipment terminals, not
more than 75 percent may be obligated or expended until the date on which the briefing has been provided under subsection (c) and the report has been submitted under subsection (d).

(f) DEFINITIONS.—In this section:

(1) The term “allied systems” means—

(A) the Galileo system of the European Union;

(B) the QZSS system of Japan; and

(C) upon designation by the Secretary of Defense, in consultation with the Director of National Intelligence—

(i) the NAVIC system of India; and

(ii) any similarly associated wide area augmentation systems.

(2) The term “covered signals”—

(A) means global navigation satellite system signals from—

(i) allied systems; and

(ii) non-allied systems; and

(B) includes both trusted signals and open signals.

(3) The term “M-code” means, with respect to global navigation satellite system signals, military code that provides enhanced positioning, navigation,
and timing capabilities and improved resistance to existing and emerging threats, such as jamming.

(4) The term “non-allied systems” means—

(A) the Russian GLONASS system; and

(B) the Chinese Beidou system.

(5) The term “open signals” means global navigation satellite system that do not include encryption or other internal methods to authenticate signal information.

(6) The term “trusted signals” means global navigation satellite system signals that incorporate encryption or other internal methods to authenticate signal information.

SEC. 1606. COMMERCIAL SPACE SITUATIONAL AWARENESS CAPABILITIES.

(a) FINDINGS.—Congress finds the following:

(1) The Secretary of the Air Force is responsible for developing the hardware and software systems to provide space situational awareness data to the Commander of the United States Strategic Command to meet warfighter requirements.

(2) There have been significant delays and cost increases in the program of record that underpin space situational awareness.
(3) The Secretary terminated the Joint Space Operations Center Mission Center and decided to operationally accept the Joint Space Operations Center Mission Center Increment 2 despite the fact that only three of 12 planned capabilities in Joint Space Operations Center Mission Center Increment 2 were accepted for use in operations.

(4) Multiple commercial vendors have the current capability to detect, maintain custody of, and provide analytical products that can address the warfighter space situational awareness requirements that were not filled in the Joint Space Operations Center Mission Center and that have been impacted by significant delays in the program of record.

(b) PROCUREMENT.—Not later than 90 days after the date of the enactment of this Act, the Director of the Space Development Agency shall procure commercial space situational awareness services by awarding at least two contracts for such services.

c) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the enterprise space battle management command and control, not more than 75 percent may be obligated or expended until the date on which the Secretary of Defense, without delegation, certifies to the con-
gressional committees that the Secretary has awarded the
contracts under subsection (b).

(d) REPORT.—Not later than January 31, 2020, the
Director of the Space Development Agency, in coordina-
tion with the Secretary of the Air Force, shall submit to
the congressional defense committees a report on using
commercial space situational awareness services to fill the
space situational awareness requirements that were not
filled in the Joint Space Operations Center Mission Cen-
ter. The report shall include the following:

(1) A description of current domestic commer-
cial capabilities to detect and track space objects in
low earth orbit below the 10 centimeter threshold of
legacy systems.

(2) A description of current domestic best-in-
breed commercial capabilities that can meet such re-
quirements.

(3) Estimates of the timelines, milestones, and
funding requirements to procure a near-term solu-
tion to meet such requirements until the develop-
ment programs of the Air Force are projected to be
operationally fielded.

(e) COMMERCIAL SPACE SITUATIONAL AWARENESS
SERVICES DEFINED.—In this section, the term “commer-
cial space situational awareness services” means commer-
cial space situational awareness processing software and
data to address warfighter requirements and fill gaps in
current space situational capabilities of the Air Force.

SEC. 1607. INDEPENDENT STUDY ON PLAN FOR DETER-
RENCE IN SPACE.

(a) FINDINGS.—Congress finds the following:

(1) Threats to space systems of the United
States have increased and continue to grow.

(2) While the United States must invest in ca-
pabilities to defend such systems in the event of an
attack in space, the United States must also identify
and implement policies that will reduce the likelihood
of such an attack.

(3) The United States is developing new capa-
bilities for enhancing resilience of such systems.

(4) However, the proper balance between active
defense, resilience, and the still lagging investment
area of reconstitution to enhance deterrence remains
unclear, as does the balance between classified and
unclassified activities needed to create deterrence.

(5) Independent analysis and assessment is nec-
essary to identify steps to increase deterrence in
space.

(b) INDEPENDENT STUDY.—
(1) IN GENERAL.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall seek to enter into a contract with a federally funded research and development center or other independent entity to conduct a study on deterrence in space.

(2) MATTERS INCLUDED.—The study under paragraph (1) shall include, at a minimum, the following:

(A) An assessment of the existing range of major studies and writings on space deterrence and a comprehensive comparative analysis of the conclusions of such studies and writings.

(B) An examination, using appropriate analytical tools, of the approaches proposed by such studies and writings with respect to creating conditions of deterrence suitable for use in the space domain, including, at a minimum, an assessment of all aspects of deterrence in space, including varying classification, strategies to deny benefit or impose cost, and space mission assurance (including resilience, active defense, and reconstitution).

(C) A determination, made either by extending such studies and writings or through
new analysis, of a holistic and comprehensive
theory of deterrence in space appropriate for
use in defense planning.

(D) An evaluation of existing policies, pro-
grams, and plans of the Department of Defense
to provide an assessment of the likely effective-
ness of those policies, programs, and plans to
achieve effective space deterrence.

(e) ASSESSMENT BY DEFENSE POLICY BOARD.—Not
later than 180 days after the date of the enactment of
this Act, the Defense Policy Board shall submit to the Sec-
retary of Defense an assessment of the study under sub-
section (b)(1), including, at a minimum—

(1) a determination of the soundness of the
study;

(2) a description of any disagreements the
Board has with the conclusions of such study, in-
cluding recommended changes or clarifications to
such conclusions the Board determines appropriate;
and

(3) changes to the policies, programs, and plans
of the Department of Defense that the Board rec-
ommends based on such study and the changes and
clarifications described in paragraph (2).
(d) REPORT.—Not later than 270 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate a report that contains the following:

(1) The study under subsection (b)(1), without change.

(2) The assessment under subsection (c), without change.

(3) Based on such study and assessment, a description of any changes to the policies, programs, and plans of the Department of Defense that the Secretary recommends to enhance deterrence in space, including with respect to—

(A) considerations and decision on reducing the opportunities and incentives for adversaries to attack space systems of the United States or allies of the United States;

(B) new architectures, including proliferated systems, hosted payloads, non-traditional orbits, and reconstitution among others;

(C) appropriate uses of partnering with both commercial entities and allies to improve deterrence in space;
(D) necessary capabilities to enhance the protection of space systems to achieve improved deterrence;

(E) bilateral, multilateral, and unilateral measures, including confidence-building measures, that could be taken to reduce the risk of miscalculation that would lead to an attack in space;

(F) policies and capability requirements with regard to attribution of an attack in space;

(G) policies with regard to retaliatory measures either in space or on the ground;

(H) authorities with regard to decisions and actions to defend assets of the United States in space; and

(I) changes to current war plans, routine operations (including information sharing), and demonstration and test procedures that could enhance the capability of the United States to signal the intentions and capabilities of the United States in an effective manner.

(e) BRIEFING.—Not later than 270 days after the date of the enactment of this Act, the Secretary shall provide to the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives,
and the Committee on Foreign Relations of the Senate
a briefing on the study under subsection (b)(1) and the
assessment under subsection (c).

SEC. 1608. RESILIENT ENTERPRISE GROUND ARCHITEC-
TURE.

(a) SENSE OF CONGRESS.—It is the sense of Con-
gress that the Secretary of the Air Force, to advance the
security of the space assets of the Department of Defense,
should—

(1) expand on complimentary efforts within the
Air Force that promote the adoption of a resilient
telecom enterprise ground architecture that is responsive to
new and changing threats and can rapidly integrate
ew capabilities to make the warfighting force of the
United States more resilient in a contested
battlespace; and

(2) prioritize the swift transition of space
ground architecture to a common platform and le-
verage commercial capabilities in concurrence with
the 2015 intent memorandum of the Commander of
the Air Force Space Command.

(b) FUTURE ARCHITECTURE.—The Secretary of De-
defense shall, to the extent practicable—

(1) develop future satellite ground architectures
of the Department of Defense to be compatible with
complimentary commercial systems that can support uplink and downlink capabilities with dual-band spacecraft; and

(2) emphasize that future ground architecture transition away from stove-piped systems to a service-based platform that provides members of the Armed Forces with flexible and adaptable capabilities that—

(A) use, as applicable, commercially available capabilities and technologies for increased resiliency and cost savings; and

(B) builds commercial opportunity and integration across the range of resilient space systems.

Subtitle B—Defense Intelligence and Intelligence-Related Activities

SEC. 1611. MODIFICATIONS TO ISR INTEGRATION COUNCIL AND ANNUAL BRIEFING REQUIREMENTS.

(a) ISR INTEGRATION COUNCIL.—Subsection (a) of section 426 of title 10, United States Code, is amended to read as follows:

“(a) ISR INTEGRATION COUNCIL.—(1) The Under Secretary of Defense for Intelligence shall establish an Intelligence, Surveillance, and Reconnaissance Integration Council—
“(A) to assist the Secretary of Defense in carrying out the responsibilities of the Secretary under section 105(a) of the National Security Act of 1947 (50 U.S.C. 3038(a));

“(B) to assist the Under Secretary with respect to matters relating to—

“(i) integration of intelligence and counterintelligence capabilities and activities under section 137(b) of this title of the military departments, intelligence agencies of the Department of Defense, and relevant combatant commands; and

“(ii) coordination of related developmental activities of such departments, agencies, and combatant commands; and

“(C) to otherwise provide a means to facilitate such integration and coordination.

“(2) The Council shall be composed of—

“(A) the Under Secretary, who shall chair the Council;

“(B) the directors of the intelligence agencies of the Department of Defense;

“(C) the senior intelligence officers of the armed forces and the regional and functional combatant commands;
“(D) the Director for Intelligence of the Joint Chiefs of Staff; and

“(E) the Director for Operations of the Joint Chiefs of Staff.

“(3) The Under Secretary shall invite the participation of the Director of National Intelligence (or a representative of the Director) in the proceedings of the Council.

“(4) The Under Secretary may designate additional participants to attend the proceedings of the Council, as the Under Secretary determines appropriate.”.

(b) Annual Briefings.—Such section is further amended by striking subsections (b) and (c) and inserting the following new subsection (b):

“(b) Annual Briefings on the Intelligence and Counterintelligence Requirements of the Combatant Commands.—(1) The Chairman of the Joint Chiefs of Staff shall provide to the congressional defense committees and the congressional intelligence committees a briefing on the following:

“(A) The intelligence and counterintelligence requirements, by specific intelligence capability type, of each of the relevant combatant commands.

“(B) For the year preceding the year in which the briefing is provided, the fulfillment rate for each
of the relevant combatant commands of the validated intelligence and counterintelligence requirements, by specific intelligence capability type, of such combatant command.

“(C) A risk analysis identifying the critical gaps and shortfalls in efforts to address operational and strategic requirements of the Department of Defense that would result from the failure to fulfill the validated intelligence and counterintelligence requirements of the relevant combatant commands.

“(D) A mitigation plan to balance and offset the gaps and shortfalls identified under subparagraph (C), including with respect to spaceborne, airborne, ground, maritime, and cyber intelligence, surveillance, and reconnaissance capabilities.

“(E) For the year preceding the year in which the briefing is provided—

“(i) the number of intelligence and counterintelligence requests of each commander of a relevant combatant command determined by the Joint Chiefs of Staff to be a validated requirement, and the total of capacity of such requests provided to each such commander; 

“(ii) with respect to such validated requirements—
“(I) the quantity of intelligence and counterintelligence capabilities or activities, by specific intelligence capability type, that the Joint Chiefs of Staff requested each military department to provide; and

“(II) the total of capacity of such requests so provided by each such military department; and

“(iii) a qualitative assessment of the alignment of intelligence and counterintelligence capabilities and activities with the program of analysis for each combat support agency and intelligence center of a military service that is part of—

“(I) the Defense Intelligence Enterprise; and

“(II) the intelligence community.

“(2) The Under Secretary of Defense for Intelligence shall provide to the congressional defense committees and the congressional intelligence committees a briefing on short-, mid-, and long-term strategies to address the validated intelligence and counterintelligence requirements of the relevant combatant commands, including with respect to spaceborne, airborne, ground, maritime, and cyber intelligence, surveillance, and reconnaissance capabilities.
“(3) The briefings required by paragraphs (1) and (2) shall be provided at the same time that the President’s budget is submitted pursuant to section 1105(a) of title 31 for each of fiscal years 2021 through 2025.

“(4) In this subsection:

“(A) The term ‘congressional intelligence committees’ has the meaning given that term in section 3 of the National Security Act of 1947 (50 U.S.C. 3003).

“(B) The term ‘Defense Intelligence Enterprise’ means the organizations, infrastructure, and measures, including policies, processes, procedures, and products, of the intelligence, counterintelligence, and security components of each of the following:

“(i) The Department of Defense.

“(ii) The Joint Staff.

“(iii) The combatant commands.

“(iv) The military departments.

“(v) Other elements of the Department of Defense that perform national intelligence, defense intelligence, intelligence-related, counterintelligence, or security functions.

“(C) The term ‘fulfillment rate’ means the percentage of combatant command intelligence and counterintelligence requirements satisfied by avail-
able, acquired, or realigned intelligence and counter-
intelligence capabilities or activities.

“(D) The term ‘intelligence community’ has the
meaning given that term in section 3 of the National
Security Act of 1947 (50 U.S.C. 3003).”.

SEC. 1612. SURVEY AND REPORT ON ALIGNMENT OF INTEL-
LIGENCE COLLECTIONS CAPABILITIES AND
ACTIVITIES WITH DEPARTMENT OF DEFENSE
REQUIREMENTS.

(a) Survey and Review.—

(1) In General.—Not later than 120 days
after the date of the enactment of this Act, the
Under Secretary of Defense for Intelligence, in co-
ordination with the Chairman of the Joint Chiefs of
Staff and the Director of National Intelligence,
shall—

(A) review the organization, posture, cur-
current and planned investments, and processes of
the intelligence collections capabilities and ac-
tivities, for the purpose of assessing the suffi-
ciency, integration, and interoperability of such
capabilities and activities to support the current
and future requirements of the Department of
Defense; and
(B) conduct a survey of each geographic and functional combatant command, with respect to intelligence collections capabilities and activities, to assess—

(i) the current state of the support of such capabilities and activities to military operations;

(ii) whether the posture of such capabilities and activities is sufficient to address the requirements of the Department of Defense;

(iii) the extent to which such capabilities and activities address gaps and deficiencies with respect to the operational requirements of the Global Campaign Plans, as identified in the most recent readiness reviews conducted by the Joint Staff; and

(iv) whether current and planned investments in such capabilities and activities are sufficient to address near-, mid-, and long-term spaceborne, airborne, terrestrial, and human collection capability requirements.

(2) ELEMENTS.—The survey and review under paragraph (1) shall include the following:
(A) A comprehensive assessment of intelligence collections capabilities and activities, and whether such capabilities and activities—

(i) are appropriately postured and sufficiently resourced to meet current and future requirements of the Department of Defense;

(ii) are appropriately balanced to address operational and strategic defense intelligence requirements; and

(iii) are sufficiently integrated and interoperable between activities of the Military Intelligence Program and the National Intelligence Program to respond to emerging requirements of the Department of Defense.

(B) With respect to each geographic and functional combatant command—

(i) information on the gaps and deficiencies, by specific intelligence capability type, described in paragraph (1)(B)(iii);

(ii) a review of the alignment of such gaps and deficiencies with the intelligence, surveillance, and reconnaissance submissions to the integrated priorities list for
the period beginning with the completion
of the most recent readiness reviews con-
ducted by the Joint Staff and ending on
the date of the commencement of the sur-
vey and review under subsection (a); and

(iii) detailed information on the allo-
cation and realignment of intelligence col-
lections capabilities and activities to ad-
dress—

(I) such gaps and deficiencies;

and

(II) such intelligence, surveil-
lance, and reconnaissance submis-
sions.

(b) REPORT.—

(1) SUBMISSION.—Not later than 270 days
after the date of the enactment of this Act, the
Under Secretary of Defense for Intelligence shall
submit to the appropriate congressional committees
a report on the findings of the Under Secretary with
respect to the survey and review under subsection
(a)(1).

(2) CONTENT.—The report under paragraph
(1) shall include—

(A) an evaluation of—
(i) the organization, posture, current and planned investments, and processes of the intelligence collections capabilities and activities, including the extent to which such capabilities and activities enable the geographic and functional combatant commands to meet the operational and strategic requirements of the Department of Defense;

(ii) the use or planned use by each geographic and functional combatant command of intelligence collections capabilities and activities available to such command to address operational and strategic requirements of the Department of Defense;

(iii) the gaps and deficiencies described in subsection (a)(1)(B)(iii), if any, that prohibit each geographic and functional combatant command from the most effective use of the intelligence collections capabilities and activities to address priority requirements of the Department of Defense;

(iv) the accepted risk by the Secretary of Defense from the prioritization of cer-
tain Department of Defense requirements with respect to the allocation of intelligence collections capabilities and activities; and

(v) the alignment and responsiveness of intelligence collections capabilities and activities with respect to the planning requirements for the Program of Analysis of each combat support agency that is part of—

(I) the Defense Intelligence Enterprise; and

(II) the intelligence community;

and

(B) recommendations, if any, to improve the sufficiency, responsiveness, and interoperability of intelligence collections capabilities and activities to fulfill the operational and strategic requirements of the Department of Defense.

(3) FORM.—The report under paragraph (1) shall be submitted in unclassified form without any designation relating to dissemination control, but may contain a classified annex.

(e) DEFINITIONS.—In this section:

(1) The term “appropriate congressional committees” means—
(A) the congressional defense committees;

and

(B) the congressional intelligence committees.

(2) The term “combat support agency” has the meaning given that term in section 193(f) of title 10, United States Code.

(3) The term “Defense Intelligence Enterprise” has the meaning given that term in section 1633(c)(2) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2600).

(4) The term “intelligence collections capabilities and activities” means the totality of intelligence collections systems and processes which enable the tasking, processing, exploitation, and dissemination capabilities, capacity, and activities of the Defense Intelligence Enterprise.

(5) The term “intelligence community” has the meaning given that term in section 3 of the National Security Act of 1947 (50 U.S.C. 3003).

(6) The term “congressional intelligence committees” has the meaning given that term in section 3 of the National Security Act of 1947 (50 U.S.C. 3003).
SEC. 1613. MODIFICATION OF ANNUAL AUTHORIZATION OF APPROPRIATIONS FOR NATIONAL FLAGSHIP LANGUAGE INITIATIVE.

Section 811(a) of the David L. Boren National Security Education Act of 1991 (50 U.S.C. 1911(a)) is amended—

(1) by striking “fiscal year 2003” and inserting “fiscal year 2020”; and

(2) by striking “$10,000,000” and inserting “$16,000,000”.

Subtitle C—Cyberspace-Related Matters

SEC. 1621. NOTIFICATION REQUIREMENTS FOR SENSITIVE MILITARY CYBER OPERATIONS.

Section 395 of title 10, United States Code, is amended—

(1) in subsection (b)(3), by inserting “, signed by the Secretary,” after “written notification”; and

(2) in subsection (c)—

(A) in paragraph (1)—

(i) in subparagraph (A), by striking “and” after the semicolon at the end;

(ii) by redesignating subparagraph (B) as subparagraph (C); and

(iii) by inserting after subparagraph (B) the following new subparagraph:

(A) the following new subparagraph:
“(B) is determined to—

“(i) have a medium or high collateral effects estimate;

“(ii) have a medium or high intelligence gain or loss;

“(iii) have a medium or high probability of political retaliation, as determined by the political military assessment contained within the associated concept of operations;

“(iv) have a medium or high probability of detection when detection is not intended; or

“(v) result in medium or high collateral effects; and”; and

(B) in paragraph (2)(B), by striking “outside the Department of Defense Information Networks to defeat an ongoing or imminent threat”.

SEC. 1622. QUARTERLY CYBER OPERATIONS BRIEFINGS.

Subsection (b) of section 484 of title 10, United States Code, is amended—

(1) by redesignating paragraph (4) as paragraph (5); and

(2) by inserting after paragraph (3) the following new paragraph:
“(4) An overview of the readiness of the Cyber Mission Force to perform assigned missions.”.

SEC. 1623. CYBER POSTURE REVIEW.

Section 1644 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended—

(1) in subsection (a), by inserting “, not later than December 31, 2022, and quadrennially thereafter,” before “conduct”;

(2) in subsection (b), by striking “the review” and inserting “each review”;

(3) in subsection (c)—

(A) in the matter preceding paragraph (1), by striking “The review” and inserting “Each review”;

(B) by redesignating paragraph (9) as paragraph (10); and

(C) by inserting after paragraph (8) the following new paragraph:

“(9) An assessment of the potential costs, benefits, and value, if any, of establishing a cyber force as a separate uniformed service.”;

(4) in subsection (d)—

(A) in paragraph (1), by striking “the cyber” and inserting “each cyber”;
(B) in paragraph (2), by striking “The re-
port” and inserting “Each report”; and
(C) by striking paragraph (3); and
(5) in subsection (e), by striking “period begin-
ing on the date that is five years after the date of
the enactment of this Act and ending on the date
that is 10 years after such date of enactment” and
inserting “each eight-year period that begins from
the date of each review conducted under subsection
(a)”.

SEC. 1624. TIER 1 EXERCISE OF SUPPORT TO CIVIL AU-
THORITIES FOR A CYBER INCIDENT.

Section 1648 of the John S. McCain National De-
fense Authorization Act for Fiscal Year 2019 is amend-
ed—
(1) in subsection (a), by striking “The” and in-
serting “Not later than February 1, 2020, the”; and
(2) by adding at the end the following new sub-
section:
“(c) LIMITATION.—Of the funds authorized to be ap-
propriated by this Act or otherwise made available for fis-
cal year 2020 for the Department of Defense for the
White House Communications Agency, not more than 90
percent of such funds may be obligated or expended until
the initiation of the tier 1 exercise required under subsection (a).”.

SEC. 1625. EVALUATION OF CYBER VULNERABILITIES OF MAJOR WEAPON SYSTEMS OF THE DEPARTMENT OF DEFENSE.

Section 1647 of the National Defense Authorization Act for Fiscal Year 2016 is amended by adding at the end the following new subsections:

“(f) WRITTEN NOTIFICATION.—If the Secretary determines that the Department will not complete an evaluation of the cyber vulnerabilities of each major weapon system of the Department by the date specified in subsection (a)(1), the Secretary shall provide to the congressional defense committee written notification relating to each such incomplete evaluation. Such a written notification shall include the following:

“(1) An identification of each major weapon system requiring such an evaluation and the anticipated date of completion.

“(2) A justification for the inability to complete such an evaluation by the date specified in subsection (a)(1).

“(g) REPORT.—The Secretary, acting through the Assistant Secretary of Defense for Acquisition and Sustainment, shall provide a report to the congressional
defense committees upon completion of the requirement for an evaluation of the cyber vulnerabilities of each major weapon system of the Department under this section. Such report shall include the following:

“(1) An identification of cyber vulnerabilities of each major weapon system requiring mitigation.

“(2) An identification of current and planned efforts to address the cyber vulnerabilities of each major weapon system requiring mitigation, including efforts across the doctrine, organization, training, materiel, leadership and education, personnel, and facilities of the Department.

“(3) A description of joint and common cyber vulnerability mitigation solutions and efforts, including solutions and efforts across the doctrine, organization, training, materiel, leadership and education, personnel, and facilities of the Department.

“(4) A description of lessons learned and best practices regarding evaluations of the cyber vulnerabilities and cyber vulnerability mitigation efforts relating to major weapon systems.

“(5) A description of efforts to share lessons learned and best practices regarding evaluations of the cyber vulnerabilities and cyber vulnerability miti-
gation efforts of major weapon systems across the Department.

“(6) An identification of measures taken to institutionalize evaluations of cyber vulnerabilities of major weapon systems.

“(7) Information relating to guidance, processes, procedures, or other activities established to mitigate or address the likelihood of cyber vulnerabilities of major weapon systems by incorporation of lessons learned in the research, development, test, evaluation, and acquisition cycle, including promotion of cyber education of the acquisition workforce.

“(8) Any other matters the Secretary determines relevant.”.

SEC. 1626. EXTENSION OF THE CYBERSPACE SOLARIUM COMMISSION.


SEC. 1627. AUTHORITY TO USE OPERATION AND MAINTENANCE FUNDS FOR CYBER OPERATIONS-PECULIAR CAPABILITY DEVELOPMENT PROJECTS.

(a) IN GENERAL.—The Secretary of Defense and each Secretary concerned may obligate and expend not more than $3,000,000 of amounts authorized to be appropriated for operation and maintenance in each of fiscal years 2020 through 2022 to carry out cyber operations-peculiar capability development projects.

(b) CERTIFICATION.—For each development project initiated under the authority provided for in subsection (a), the Commander of U.S. Cyber Command shall certify to the congressional defense committees that each project is determined to be cyber operations-peculiar.

(c) NOTIFICATION.—Not later than 15 days after exercising the authority provided for in subsection (a), the Secretary of Defense shall notify the congressional defense committees of such exercise.

(d) REPORT.—Not later than December 31 of each year through 2022, the Secretary of Defense shall submit to the congressional defense committees a report on expenditures made pursuant to the authority provided for in subsection (a). Each such report shall include a full description and evaluation of each of the cyber operations-peculiar capability development projects that is the subject
of each such expenditure, definitions and standards for
cyber operations-peculiar requirements, transition plans,
and any other matters the Secretary determines relevant.

SEC. 1628. NOTIFICATION OF DELEGATION OF AUTHORITY
TO THE SECRETARY OF DEFENSE FOR
MILITARY OPERATIONS IN CYBERSPACE.

(a) In General.—The Secretary of Defense shall
provide written notification to the Committee on Armed
Services of the House of Representatives and the Com-
mittee on Armed Services of the Senate of authorities dele-
gated to the Secretary by the President for military oper-
ations in cyberspace that are otherwise held by the Na-
tional Command Authority, not later than 15 days after
any such delegation. Such notification shall include the
following:

(1) A description of the authorities delegated to
the Secretary.

(2) A description of relevant documents, includ-
ing execute orders, issued by the Secretary in ac-
cordance with such authorities.

(3) A list of countries in which such authorities
may be utilized.

(4) A description of authorized activities to be
conducted or planned to be conducted pursuant to
such authorities.
(5) Defined military objectives relating to such authorities.

(b) PROCEDURES.—

(1) IN GENERAL.—The Secretary of Defense shall establish and submit to the Committee on Armed Services of the House of Representatives and the Committee on Armed Services of the Senate procedures for complying with the requirements of subsection (a), consistent with the national security of the United States and the protection of operational integrity. The Secretary shall promptly notify the Committee on Armed Services of the House of Representatives and the Committee on Armed Services of the Senate in writing of any changes to such procedures at least 14 days prior to the adoption of any such changes.

(2) SUFFICIENCY.—The Committee on Armed Services of the House of Representatives and the Committee on Armed Services of the Senate shall ensure that committee procedures designed to protect from unauthorized disclosure classified information relating to national security of the United States are sufficient to protect the information that is submitted to the committees pursuant to this section.
(3) Notification in event of unauthorized disclosure. — In the event of an unauthorized disclosure of authorities covered by this section, the Secretary of Defense shall ensure, to the maximum extent practicable, that the Committee on Armed Services of the House of Representatives and the Committee on Armed Services of the Senate are notified immediately. Notification under this paragraph may be verbal or written, but in the event of a verbal notification, a written notification signed by the Secretary shall be provided by not later than 48 hours after the provision of such verbal notification.

SEC. 1629. LIMITATION OF FUNDING FOR CONSOLIDATED AFLOAT NETWORKS AND ENTERPRISE SERVICES.

Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Consolidated Afloat Networks and Enterprise Services, not more than 85 percent of such funds may be obligated or expended until the Secretary of Defense, in coordination with the Chief Information Officer of the Department of Defense, certifies to the congressional defense committees that the recommendations in the Audit of Consolidated Afloat Networks and Enterprise Services Secu-
rity Safeguards (DODIG-2019-072) have been implemented.

SEC. 1630. ANNUAL MILITARY CYBERSPACE OPERATIONS REPORT.

(a) In General.—Not later than March 1 of each year, the Secretary of Defense shall provide to the congressional defense committees a written report detailing all military cyberspace operations conducted in the previous calendar year. For each such operation each such report shall include the following:

(1) An identification of the objective and purpose.

(2) Impacted information technology infrastructure, by location.

(3) A description of tools and capabilities utilized.

(4) An identification of the Cyber Mission Force team, or other Department of Defense entity or unit, that conducted such operation, and supporting teams, entities, or units.

(5) A description of the infrastructure and platforms on which such operation occurred.

(6) A description of relevant legal, operational, and funding authorities, including Executive Orders and Deployment Orders.
(7) Information relating to the total amount of funding required and associated program elements.

(8) Any other matters the Secretary determines relevant.

(b) **CLASSIFICATION.**—The Secretary of Defense shall provide each report required under subsection (a) at a classification level the Secretary determines appropriate.

(c) **LIMITATION.**—This section does not apply to cyber-enabled military information support operations.

(d) **DEFINITION.**—In this section, the term “military cyberspace operations” means defensive and offensive—

(1) cyber effects enabling operations, activities, and missions; and

(2) cyber effects operations, activities, and missions.

SEC. 1631. REPORT ON SYNCHRONIZATION OF EFFORTS RELATING TO CYBERSECURITY IN THE DEFENSE INDUSTRIAL BASE.

(a) **REPORT.**—Not later than May 1, 2020, the Secretary of Defense shall submit to the congressional defense committees a report on efforts, and roles and responsibilities, relating to cybersecurity in the Defense Industrial Base.

(b) **ELEMENTS.**—The report under subsection (a) shall include the following:
(1) Definitions for “Controlled Unclassified Information” (CUI) and “For Official Use Only” (FOUO), as well as policies regarding protecting information designated as such.

(2) A comprehensive list of Department of Defense programs to assist the Defense Industrial Base with cybersecurity compliance requirements of the Department.

(3) An evaluation of the resources and utilization of Department programs to assist the Defense Industrial Base in complying with cybersecurity compliance requirements referred to in paragraph (2).

(4) Optimal levels of resourcing required for activities, programs, and other Department efforts to assess and monitor compliance by the Defense Industrial Base with such cybersecurity compliance requirements.

(5) Roles and responsibilities of the Under Secretary of Defense for Acquisition and Sustainment, the Chief Information Officer, the Chief Management Officer, the Director of the Protecting Critical Technologies Task Force, and the Secretaries of the military services relating to the following:
(A) Establishing and ensuring compliance with cybersecurity standards, regulations, and policies.

(B) Deconflicting existing cybersecurity standards, regulations, and policies.

(C) Coordinating with and providing assistance to the Defense Industrial Base for cybersecurity matters, particularly such relates to the issues described in paragraphs (2), (3), and (8).

(6) Efforts to enhance the Department’s visibility into its entire supply chain without violating privity.

(7) An evaluation of methodologies to tier cybersecurity requirements for the Defense Industrial Base relative to risk.

(8) Efforts to support and enhance threat information sharing between the Department and the Defense Industrial Base.


(10) An explanation of the Department’s Protecting Critical Technologies Task Force efforts, and how its work will be incorporated into existing Department efforts.
(11) Any other information the Secretary of
Defense determines relevant.

(c) DEFINITION.—In this section, the term “Defense
Industrial Base” includes traditional and non-traditional
defense contractors and academic institutions with con-
tractual relationships with the Department of Defense re-
lated to activities involving information or technology re-
quiring cybersecurity compliance.

SEC. 1632. BRIEFINGS ON THE STATUS OF THE NATIONAL
SECURITY AGENCY AND UNITED STATES
CYBER COMMAND PARTNERSHIP.

(a) IN GENERAL.—Not later than 90 days after the
date of the enactment of this Act and quarterly thereafter,
the Secretary of Defense and the Director of National In-
telligence shall provide to the congressional defense com-
mittees and the Permanent Select Committee on Intell-
gence of the House of Representatives and the Select
Committee on Intelligence of the Senate briefings on the
nature of the National Security Agency and United States
Cyber Command’s current and future partnership. Brief-
ings under this section shall terminate on January 1,
2022.

(b) ELEMENTS.—Each briefing under this section
shall include the following:
(1) Status updates on the current and future
National Security Agency-United States Cyber Com-
mand partnership efforts.

(2) Executed documents, written memoranda of
agreements or understandings, and policies issued
governing such current and future partnership.

(3) Projected long-term efforts.

(4) Updates related to the assessment required
under section 1642 of the National Defense Author-
ization Act for Fiscal Year 2017 (relating to limita-
tion on termination of dual-hat arrangement for
Commander of the United States Cyber Command;
Public Law 114–328).

Subtitle D—Nuclear Forces

SEC. 1641. IMPROVEMENT TO ANNUAL REPORT ON THE
MODERNIZATION OF THE NUCLEAR WEAP-
ONS ENTERPRISE.

(a) EXTENSION.—Section 1043(a) of the National
Defense Authorization Act for Fiscal Year 2012 (Public
Law 112–81; 125 Stat. 1576), as most recently amended
by section 1670 of the John S. McCain National Defense
Authorization Act for Fiscal Year 2019 (Public Law 115–
232; 132 Stat. 2157), is further amended in paragraph
(1) by striking “2023” and inserting “2024”.

June 18, 2019 (1:16 p.m.)
(b) ACQUISITION COSTS.—Paragraph (2) of such section is amended—

(1) by redesignating subparagraph (G) as subparagraph (I); and

(2) by inserting after subparagraph (F) the following new subparagraphs:

“(G) For the 10-year period following the date of the report, an estimate of the relative percentage of acquisition costs of the military departments, and of the entire Department of Defense, represented by the costs to the Department of Defense to modernize and recapitalize the nuclear weapons enterprise.

“(H) A plan covering the 25-year period following the date of the report that—

“(i) covers the research and development and production relating to nuclear weapons that are being modernized or sustained, including with respect to—

“(I) associated delivery systems or platforms that carry nuclear weapons;

“(II) nuclear command and control systems; and
“(III) facilities, infrastructure, and critical skills; and

“(ii) includes estimated timelines for such research and development and production, and the estimated acquisition and life cycle costs, including estimated cost ranges if necessary, to modernize or re-capitalized each system.”.

(e) Transfer of Provision.—

(1) Codification.—Such section 1043, as amended by subsections (a) and (b), is—

(A) transferred to chapter 24 of title 10, United States Code;

(B) inserted after section 492;

(C) redesignated as section 492a; and

(D) amended—

(i) in the enumerator, by striking “SEC.” and inserting “§” ; and

(ii) in the section heading—

(I) by striking the period at the end; and

(II) by conforming the typeface and typestyle, including capitalization,
in the section heading of section 491 of such title.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 24 of title 10, United States Code, is amended by inserting after the item relating to section 492 the following new 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.”.

SEC. 1642. BRIEFINGS ON MEETINGS HELD BY THE NUCLEAR WEAPONS COUNCIL.

Section 179 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(g) SEMIANNUAL BRIEFINGS.—Not later than 30 days after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2020, and semi-annually thereafter, the Council shall—

“(1) provide to the congressional defense committees a briefing on, with respect to the period covered by the briefing—

“(A) the dates on which the Council met; and

“(B) a summary of any decisions made by the Council pursuant to subsection (d) at each such meeting, except with respect to budget de-
cisions relating to the budget of the President for a fiscal year if the request for that fiscal year has not been submitted to Congress as of the date of the briefing; and

“(2) submit to such committees at the time of the briefing—

“(A) any decision memoranda relating to the decisions specified in paragraph (1)(B); and

“(B) a summary of the rationale and considerations that informed such decision.”.

SEC. 1643. ELIMINATION OF CONVENTIONAL REQUIREMENT FOR LONG-RANGE STANDOFF WEAPON.

Subsection (a) of section 217 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 127 Stat. 706), as amended by section 1662 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2152), is amended to read as follows:

“(a) LONG-RANGE STANDOFF WEAPON.—The Secretary of the Air Force shall develop a follow-on air-launched cruise missile to the AGM–86 that—

“(1) achieves initial operating capability for nuclear missions prior to the retirement of the nuclear-armed AGM–86; and
“(2) is capable of internal carriage and employment for nuclear missions on the next-generation long-range strike bomber.”.

SEC. 1644. EXTENSION OF ANNUAL BRIEFING ON THE COSTS OF FORWARD-DEPLOYING NUCLEAR WEAPONS IN EUROPE.

Section 1656(a) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1124) is amended—

(1) by striking “2021” and inserting “2024”;

and

(2) by inserting “, the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate” after “the congressional defense committees”.

SEC. 1645. TEN-YEAR EXTENSION OF PROHIBITION ON AVAILABILITY OF FUNDS FOR MOBILE VARI- ANT OF GROUND-BASED STRATEGIC DETER- RENT MISSILE.

striking “for any of fiscal years 2017 through 2020” and
inserting “for any of fiscal years 2017 through 2030”.

SEC. 1646. PROHIBITION ON AVAILABILITY OF FUNDS FOR
DEPLOYMENT OF LOW-YIELD BALLISTIC MISSILE WARHEAD.

None of the funds authorized to be appropriated by
this Act or otherwise made available for fiscal year 2020
for the Department of Defense may be used to deploy the
W76–2 low-yield warhead.

SEC. 1647. REPORT ON MILITARY-TO-MILITARY DIALOGUE
TO REDUCE THE RISK OF MISCALCULATION
LEADING TO NUCLEAR WAR.

Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense, in coordination
with the Secretary of State, shall submit to the congres-
sional defense committee, the Committee on Foreign Af-
fairs of the House of Representatives, and the Committee
on Foreign Relations of the Senate a report containing
the following:

(1) A description of—

(A) current military-to-military discussions
of the United States with counterparts from
governments of foreign countries to reduce the
risk of miscalculation, unintended consequences,
or accidents that could precipitate a nuclear war; and

(B) bilateral and multilateral agreements to which the United States is a party that address such risks.

(2) An assessment conducted jointly by the Secretary and the Chairman of the Joint Chiefs of Staff of the policy and operational necessity, risks, benefits, and costs of establishing military-to-military discussions with Russia, China, and North Korea to address such risks.

SEC. 1648. PLAN ON NUCLEAR COMMAND, CONTROL, AND COMMUNICATIONS SYSTEMS.

(a) Plan.—Not later than 270 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Commander of the United States Strategic Command, shall submit to the appropriate congressional committees a plan on the future of the nuclear command, control, and communications systems.

(b) Matters Included.—The plan under subsection (a) shall address the following:

(1) Near- and long-term plans and options to recapitalize the nuclear command, control, and communications systems to ensure the resilience of such systems.
(2) Requirements for such systems, including with respect to survivability and reliability.

(3) The risks and benefits of replicating the current architecture for such systems as of the date of the plan.

(4) The risks and benefits of using different architectures for such systems, including, at a minimum, using hosted payloads.

(5) Whether such architectures should be classified or unclassified.

(6) Requirements and plans to ensure the security of the supply chain of nuclear command, control, and communications systems.

(7) Timelines and general cost estimates for long-term investments in such systems.

(8) Options for potential negotiation with adversaries, including with respect to agreements to not target nuclear command, control, and communications systems through kinetic, nonkinetic, or cyber attacks.

(9) Any other matters the Secretary determines appropriate.

(e) INTERIM BRIEFING.—Not later than 90 days after the date of the enactment of this Act, the Secretary, in coordination with the Commander, shall provide to the
congressional defense committees a briefing on the plan
under subsection (a).

SEC. 1649. INDEPENDENT STUDY ON POLICY OF NO-FIRST-USE OF NUCLEAR WEAPONS.

(a) STUDY.—Not later than 30 days after the date
of the enactment of this Act, the Secretary of Defense
shall seek to enter into a contract with a federally funded
research and development center to conduct a study on
the United States adopting a policy to not use nuclear
weapons first.

(b) MATTERS INCLUDED.—The study under sub-
section (a) shall include the following:

(1) An assessment of the benefits of a policy to
not use nuclear weapons first in reducing the risk of
miscalculation in a crisis.

(2) An assessment of the likely reactions of the
allies of the United States with respect to the United
States adopting such a policy and how any negative
reactions could be mitigated, including the value of
engaging such allies to offer credible extended deter-
rence assurances.

(3) An assessment of which foreign countries
have stated or adopted such a policy.

(4) An assessment of how adversaries of the
United States might view such a policy.
(5) An assessment of the benefits and risks of such a policy with respect to nuclear nonproliferation.

(6) An assessment of changes in force posture and force requirements, if any, and costs or savings, that such a policy would entail.

(7) Any other matters the Secretary determines appropriate.

(e) Submission to DOD.—Not later than 210 days after the date of the enactment of this Act, the federally funded research and development center shall submit to the Secretary the study under subsection (a).

(d) Submission to Congress.—Not later than 240 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate the study under subsection (a), without change.

(e) Form.—The study under subsection (a) shall be submitted under subsections (c) and (d) in unclassified form, but may include a classified annex.
SEC. 1650. INDEPENDENT STUDY ON RISKS OF NUCLEAR TERRORISM AND NUCLEAR WAR.

(a) STUDY.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall seek to enter into an agreement with the National Academy of Sciences to conduct a study on the potential risks of nuclear terrorism and nuclear war.

(b) MATTERS INCLUDED.—The study under subsection (a) shall—

(1) quantify the potential risks of nuclear terrorism and nuclear war, including the level of uncertainty;

(2) assess prior literature on such risks;

(3) assess the role that quantitative risk analysis and other disciplines can play in quantifying such risks, including the limitations of such analysis and disciplines;

(4) assess the extent to which the nuclear strategy of the United States is consistent with the risks of nuclear terrorism and nuclear war identified in the study; and

(5) provide recommendations as to whether fundamental assumptions about the national security strategy of the United States might need to be reconsidered.
(c) Submission.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees the study under subsection (a), without change.

(d) Form.—The study shall be submitted under subsection (c) in unclassified form, but may include a classified annex.

Subtitle E—Missile Defense Programs

SEC. 1661. NATIONAL MISSILE DEFENSE POLICY.

(a) Policy.—Subsection (a) of section 1681 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2431 note) is amended to read as follows:

“(a) Policy.—It is the policy of the United States to—

“(1) maintain and improve, with funding subject to the annual authorization of appropriations and the annual appropriation of funds for National Missile Defense—

“(A) an effective protection of the homeland of the United States against offensive missile threats posed by rogue states; and

“(B) an effective regional missile defense system capable of defending the allies, partners,
and deployed forces of the United States
against increasingly complex missile threats;
and
“(2) rely on nuclear deterrence to address more
sophisticated and larger quantity near-peer inter-
continental ballistic missile threats.”.

(b) BRIEFING.—Not later than January 31, 2020,
the Director of Cost Assessment and Program Evaluation
shall provide to the Committee on Armed Services of the
House of Representatives a briefing on the programmatic
impacts across the Department of Defense with respect
to the implementation of the Missile Defense Review
issued in 2019.

SEC. 1662. DEVELOPMENT OF HYPersonic and Ballistic
MISSILE TRACKING SPACE SENSOR PAYLOAD.

(a) DEVELOPMENT.—Section 1683 of the National
Defense Authorization Act for Fiscal Year 2018 (Public
Law 115–91; 10 U.S.C. 2431 note) is amended—
(1) by redesignating subsections (d), (e), (f),
(g), and (h), as subsections (e), (f), (g), (h), and (j),
respectively; and
(2) by inserting after subsection (c) the fol-
lowing new subsection (d):
“(d) HYPersonic and Ballistic Missile Track-
ing Space Sensor Payload.—The Director, in coordi-
nation with the Director of the Space Development Agency
and the Secretary of the Air Force, shall—

“(1) develop a hypersonic and ballistic missile
tracking space sensor payload; and

“(2) include such payload as a component of
the sensor architecture developed under subsection
(a).”.

(b) UPDATED PLAN.—Such section is further amend-
ed by inserting after subsection (h), as redesignated by
subsection (a), the following new subsection:

“(i) UPDATED PLAN.—Not later than 90 days after
the date of the enactment of the National Defense Author-
ization Act for Fiscal Year 2020, the Director of the Mis-
sile Defense Agency, in coordination with the Director of
the Space Development Agency and the Secretary of the
Air Force, shall submit to the appropriate congressional
committees an update to the plan under subsection (h),
including the following:

“(1) How the Director of the Missile Defense
Agency, in coordination with the Director of the
Space Development Agency and the Secretary, will
develop the payload under subsection (d) and include
such payload in the sensor architecture developed
under subsection (a).
“(2) How such payload will address the requirement of the United States Strategic Command for a hypersonic and ballistic missile tracking space sensing capability.

“(3) The estimated costs (in accordance with subsection (e)) to develop, acquire, and deploy, and the lifecycle costs to operate and sustain, the payload under subsection (f) and include such payload in the sensor architecture developed under subsection (a).”.

(c) CONFORMING AMENDMENT.—Subsection (h)(1) of such section, as redesignated by subsection (a), is amended by striking “with subsection (d)” and inserting “with subsection (e)”.  

SEC. 1663. REQUIREMENT FOR TESTING OF REDESIGNED KILL VEHICLE PRIOR TO PRODUCTION.

(a) SENSE OF CONGRESS.—It is the sense of Congress that the Director of the Missile Defense Agency must address the technical issues of the redesigned kill vehicle prior to moving forward with development, procurement, and fielding of the vehicle.

(b) MODIFICATIONS TO WAIVER REQUIREMENTS.—Subsection (b) of section 1683 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019
(Public Law 115–232; 132 Stat. 2163) is amended to read as follows:

“(b) WAIVER.—The Secretary of Defense, without delegation, may waive subsection (a) if—

“(1) the Secretary determines that the waiver is in the interest of national security;

“(2) the Secretary conducts an assessment of the missile developments of both North Korea and Iran during the 18-month period preceding the date of the waiver;

“(3) the Secretary determines that the threat of missiles is advancing at a pace that requires additional capacity of the ground-based midcourse defense system by 2023, including in light of the assessment conducted under paragraph (2);

“(4) the Secretary determines that the waiver is appropriate in light of the assessment conducted by the Director of Operational Test and Evaluation under subsection (c);

“(5) the Secretary submits to the congressional defense committees a report containing—

“(A) a notice of the waiver, including the rationale of the Secretary for making the waiver; and
“(B) a certification by the Secretary that the Secretary has analyzed and accepts the risk of making and implementing a lot production decision for the redesigned kill vehicle prior to the vehicle undergoing a successful flight intercept test; and

“(6) a period of 30 days elapses following the date on which the Secretary submits the report under paragraph (5).”.

(c) MODIFICATION TO ASSESSMENT.—Subsection (c) of such section is amended by inserting “and to the congressional defense committees” after “to the Secretary of Defense”.

SEC. 1664. DEVELOPMENT OF SPACE-BASED BALLISTIC MISSILE INTERCEPT LAYER.

Section 1688 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2431 note) is amended—

(1) by striking subsection (c); and

(2) by redesignating subsection (d) as subsection (c).

SEC. 1665. ORGANIZATION, AUTHORITIES, AND BILLETS OF THE MISSILE DEFENSE AGENCY.

(a) INDEPENDENT STUDY.—
(1) ASSESSMENT.—In accordance with paragraph (2), the Secretary of Defense shall seek to enter into a contract with a federally funded research and development center to conduct a study assessing—

(A) the organization of the Missile Defense Agency under the Under Secretary of Defense for Research and Engineering pursuant to section 205(b) of title 10, United States Code;

(B) alternative ways to organize the Agency under other officials of the Department of Defense, including the Under Secretary for Acquisition and Sustainment and any other official of the Department the federally funded research and development center determines appropriate; and

(C) transitioning the Agency to the standard acquisition process pursuant to Department of Defense Instruction 5000, including both the risks and benefits of making such a transition.

(2) SCOPE OF STUDY.—Before entering into the contract with a federally funded research and development center to conduct the study under paragraph (1), the Secretary shall provide to the congressional
defense committees an update on the scope of such study.

(3) Submission to DOD.—Not later than 150 days after the date of the enactment of this Act, the federally funded research and development center shall submit to the Secretary a report containing the study conducted under paragraph (1).

(4) Submission to Congress.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees the study under paragraph (1), without change.

(b) Notification on Changes to Non-Standard Acquisition Processes and Responsibilities.—

(1) Limitation.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Secretary of Defense may be obligated or expended to change the non-standard acquisition processes and responsibilities described in paragraph (2) until—

(A) the Secretary notifies the congressional defense committees of such proposed change;

and

(B) a period of 90 days has elapsed following the date of such notification.
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(2) NON-STANDARD ACQUISITION PROCESSES
AND RESPONSIBILITIES DESCRIBED.—The non-
standard acquisition processes and responsibilities
described in this paragraph are such processes and
responsibilities described in—

(A) the memorandum of the Secretary of
Defense titled “Missile Defense Program Direc-
tion” signed on January 2, 2002;

(B) Department of Defense Directive
5134.09, as in effect on the date of the enact-
ment of this Act; and

(C) United States Strategic Command In-
struction 583–3.

(e) LIMITATION ON CERTAIN TRANSFERS OF BIL-
LETS.—During fiscal year 2020, the Secretary of Defense
may not transfer civilian or military billets from the Mis-
sile Defense Agency to any element of the Department
under the Under Secretary of Defense for Research and
Engineering until, for each such transfer—

(1) the Secretary notifies the congressional de-
fense committees of such proposed transfer; and

(2) a period of 90 days has elapsed following
the date of such notification.
SEC. 1666. MISSILE DEFENSE INTERCEPTOR SITE IN CONTIGUOUS UNITED STATES.

(a) DESIGNATION.—The Secretary shall designate the preferred location of a missile defense site in the contiguous United States from among the locations evaluated pursuant to section 227 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 1678). The Secretary shall make such designation based on the following:


(2) Strategic and operational effectiveness, including with respect to the location that is the most advantageous site in providing coverage to the entire contiguous United States, including having the capability to provide shoot-assess-shoot coverage to the entire contiguous United States.

(3) Construction remediation efforts and impacts to the existing environment at the site.

(4) The existing infrastructure at the site.

(5) The costs to construct, equip, and operate the site.

(b) REPORT.—Not later than January 31, 2020, the Secretary shall submit to the congressional defense com-
mittees a report on the designation made under subsection
(a) with respect to each factor specified in paragraphs (1) through (5) of such subsection.

e) RULE OF CONSTRUCTION.—Nothing in this section may be construed—

(1) as requiring the Secretary of Defense to begin a military construction project relating to the missile defense site in the contiguous United States;
or

(2) as a statement that there is any current military requirement for such a site.

d) CONFORMING REPEAL.—Section 1681 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1776) is repealed.

SEC. 1667. MISSILE DEFENSE RADAR IN HAWAII.

(a) CONSTRUCTION OF HOMELAND DEFENSE RADAR–HAWAII.—Subject to subsection (b), the Director of the Missile Defense Agency may use funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for research, development, test, and evaluation for the Missile Defense Agency to design, build, and integrate the foundation of the homeland defense radar in Hawaii and the thermal control system of the radar.
(b) LIMITATION.—Of the funds authorized to be ap-
propriated by this Act or otherwise made available for fis-
cal year 2020 for research, development, test, and evalua-
tion for the homeland defense radar in Hawaii, not more
than 85 percent may be obligated or expended until the

Director—

(1) completes the critical design review of the
radar;

(2) submits to the congressional defense com-
mittees an assessment conducted by the Army Corps
of Engineers on the research, development, test, and
evaluation proposal to design, build, and integrate
the foundation of the radar and the thermal control
system of the radar that highlights any unique com-
ponents of such proposal; and

(3) provides to such committees a briefing on
incorporating the foundation and thermal control
system into the overall design of the radar.

SEC. 1668. LIMITATION ON AVAILABILITY OF FUNDS FOR
LOWER TIER AIR AND MISSILE SENSOR.

(a) LIMITATION.—Of the funds authorized to be ap-
propriated by this Act or otherwise made available for fis-
cal year 2020 for the Army for the lower tier air and mis-
sile defense sensor, not more than 75 percent may be obli-
gated or expended until the Secretary of the Army submits
the report under subsection (b).

(b) REPORT.—The Secretary of the Army shall sub-
mit to the congressional defense committees a report on
the test and demonstration of lower tier air and missile
defense sensors that occurred during the third quarter of
fiscal year 2019. Such report shall include the following:

(1) An explanation of how the test and dem-
onstration was conducted and what the test and
demonstration set out to achieve, including—

(A) an explanation of the performance
specifications used; and

(B) a description of the emulated threats
used in the test and demonstration and how
such threats compare to emerging regional air
and missile threats.

(2) An explanation of the capability of the sen-
sor system that the Secretary determined to be the
winner of the test and demonstration, including with
respect to—

(A) the capability of such sensor system
against key threats and requirements, including
whether such sensor system will be delivered
with full 360-degree coverage and the ability of
such sensor system to detect, track, and surveil
targets;

(B) the estimated procurement and life-
cycle costs of operating such sensor system; and

(C) the cost, timeline, and approach that
will be used to integrate the lower tier air and
missile defense sensor with other sensors using
the Integrated Air and Missile Defense Battle
Command System.

(3) An explanation of whether future perform-
ance improvements to the lower tier air and missile
defense sensor are conditional on intellectual prop-
erty and how such improvements will be made if the
United States does not own such intellectual prop-
erty.

SEC. 1669. COMMAND AND CONTROL, BATTLE MANAGE-
MENT, AND COMMUNICATIONS PROGRAM.

(a) LIMITATION ON SALE.—The Director of the Mis-
sile Defense Agency may not pursue release of the com-
mand and control, battle management, and communica-
tions program (or any variants thereof) for export until
the date on which the Director submits the report under
subsection (b).

(b) REPORT.—Not later than 90 days after the date
of the enactment of this Act, the Director shall submit
to the congressional defense committees, the Committee
on Foreign Affairs of the House of Representatives, and
the Committee on Foreign Relations of the Senate a re-
port containing the following:

(1) An explanation of the rationale of the Di-
rector for considering to export the command and
control, battle management, and communications
program (or any variants thereof) in light of the
critical role of the program in the strategic national
defense of the United States and the allies of the
United States against ballistic missile attack.

(2) The findings of the market research and
analysis conducted by the Director regarding export-
able command and control solutions for ballistic mis-
sile defense, including such solutions that are inter-
nationally available.

SEC. 1670. ANNUAL ASSESSMENT OF BALLISTIC MISSILE
DEFENSE SYSTEM.

(a) SENSE OF CONGRESS.—It is the sense of Con-
gress that operational test and evaluation of elements of
the ballistic missile defense system should be conducted
thoroughly in accordance with section 2399 of title 10,
United States Code, including with respect to the reports
required to be submitted to the congressional defense com-
mittees under subsection (b) of such section regarding the
results of testing conducted on major defense acquisition programs.

(b) ANNUAL ASSESSMENT.—As part of the annual report of the Director of Operational Test and Evaluation submitted to Congress under section 139 of title 10, United States Code, the Director shall include an assessment of the ballistic missile defense system and all of the elements of the system that have been fielded or are planned, as of the date of the assessment, including—

(1) the operational effectiveness, suitability, and survivability of the ballistic missile defense system and the elements of the system that have been fielded or tested; and

(2) the adequacy and sufficiency of the test program of such system as of the date of the assessment, including with respect to the operational realism of the tests.

(c) FORM.—Each assessment under subsection (a) may be submitted in unclassified form, and may include a classified annex.
Subtitle F—Other Matters

SEC. 1681. MODIFICATION TO REPORTS ON CERTAIN SOLID ROCKET MOTORS.

Section 1696(b) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2171) is amended—

(1) by striking “rockets or missiles” and inserting “rockets, missiles, or space launch services” each place it appears; and

(2) in paragraph (2)(C), by striking “rocket or missile” and inserting “rocket, missile, or space launch service”.

SEC. 1682. REPEAL OF REVIEW REQUIREMENT FOR AMMUNITION PERCHLORATE REPORT.

Section 1694(d) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1792) is repealed.

SEC. 1683. REPEAL OF REQUIREMENT FOR COMMISSION ON ELECTROMAGNETIC PULSE ATTACKS AND SIMILAR EVENTS.

(a) FINDINGS.—Congress finds the following:

(1) On March 26, 2019, the President released the “Executive Order on Coordinating National Resilience to Electromagnetic Pulses”.

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June 18, 2019 (1:16 p.m.)
(2) The Executive Order codifies policy, roles, and responsibilities within the executive branch in order to foster sustainable, efficient, and cost-effective approaches to improving the resilience of the United States to the effects of electromagnetic pulses.

(b) REPEAL.—Section 1691 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1786) is repealed.

SEC. 1684. CONVENTIONAL PROMPT GLOBAL STRIKE WEAPON SYSTEM.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the Under Secretary of Defense for Policy has not adequately responded to Congress regarding the miscalculation and ambiguity risks posed by hypersonic weapons, specifically from submarine-launched platforms, including pursuant to the report required by section 1698 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232; 132 Stat. 2172); and

(2) the Secretary of Defense should coordinate technology maturation efforts to develop common technologies for hypersonics, and should leverage defense laboratories and university partners to lead
foundational hypersonic research in areas the Secretary determines appropriate for the Department of Defense.

(b) PROHIBITION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the conventional prompt global strike weapon system may be used for a submarine-launched conventional prompt global strike capability, including with respect to developing or testing such a capability—

(1) is transferrable to a surface-launched platform; and

(2) is not exclusive to submarines.

(c) REPORT.—Not later than 120 days after the date of the enactment of this Act, the Secretary of the Navy shall submit to the congressional defense committees a report on the programmatic changes required to integrate the conventional prompt global strike weapon system into the DDG–1000 program or other surface ships.

DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

SEC. 2001. SHORT TITLE.

This division may be cited as the “Military Construction Authorization Act for Fiscal Year 2020”.

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SEC. 2002. EXPIRATION OF AUTHORIZATIONS AND AMOUNTS REQUIRED TO BE SPECIFIED BY LAW.

(a) Expiration of Authorizations After Five Years.—Except as provided in subsection (b), all authorizations contained in titles XXI through XXX (other than title XXVIII) for military construction projects, land acquisition, family housing projects and facilities, and contributions to the North Atlantic Treaty Organization Security Investment Program (and authorizations of appropriations therefor) shall expire on the later of—

(1) October 1, 2024; or
(2) the date of the enactment of an Act authorizing funds for military construction for fiscal year 2025.

(b) Exception.—Subsection (a) shall not apply to authorizations for military construction projects, land acquisition, family housing projects and facilities, and contributions to the North Atlantic Treaty Organization Security Investment Program (and authorizations of appropriations therefor), for which appropriated funds have been obligated before the later of—

(1) October 1, 2024; or
(2) the date of the enactment of an Act authorizing funds for fiscal year 2025 for military construction projects, land acquisition, family housing
projects and facilities, or contributions to the North Atlantic Treaty Organization Security Investment Program.

SEC. 2003. EFFECTIVE DATE.

Titles XXI through XXX (other than title XXVIII) shall take effect on the later of—

(1) October 1, 2019; or

(2) the date of the enactment of this Act.

TITLE XXI—ARMY MILITARY CONSTRUCTION

SEC. 2101. AUTHORIZED ARMY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) INSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Installation</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>Redstone Arsenal</td>
<td>$38,000,000</td>
</tr>
<tr>
<td>Colorado</td>
<td>Fort Carson</td>
<td>$71,000,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Fort Gordon</td>
<td>$107,000,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Hunter Army Airfield</td>
<td>$62,000,000</td>
</tr>
<tr>
<td>Kentucky</td>
<td>Fort Campbell</td>
<td>$61,300,000</td>
</tr>
<tr>
<td>Kwajalein</td>
<td>Kwajalein Atoll</td>
<td>$40,000,000</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>Natick Soldier Systems Center</td>
<td>$50,000,000</td>
</tr>
<tr>
<td>Michigan</td>
<td>Detroit Arsenal</td>
<td>$24,000,000</td>
</tr>
</tbody>
</table>
Army: Inside the United States—Continued

<table>
<thead>
<tr>
<th>State</th>
<th>Installation</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York</td>
<td>Fort Drum</td>
<td>$44,000,000</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Fort Bragg</td>
<td>$12,500,000</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>Fort Sill</td>
<td>$73,000,000</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>Carlisle Barracks</td>
<td>$98,000,000</td>
</tr>
<tr>
<td>South Carolina</td>
<td>Fort Jackson</td>
<td>$88,000,000</td>
</tr>
<tr>
<td>Texas</td>
<td>Corpus Christi Army Depot</td>
<td>$86,000,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Fort Belvoir</td>
<td>$60,000,000</td>
</tr>
<tr>
<td>Washington</td>
<td>Joint Base Langley-Eustis</td>
<td>$55,000,000</td>
</tr>
</tbody>
</table>

(b) Outside the United States.—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out the military construction project for the installation or location outside the United States, and in the amount, set forth in the following table:

Army: Outside the United States

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honduras</td>
<td>Soto Cano Air Base</td>
<td>$34,000,000</td>
</tr>
</tbody>
</table>

(e) Study of Near-Term Facility Alternatives to House High Value Detainees.—

(1) Study required.—The Secretary of Defense shall conduct a study of alternatives to meet the near-term facility requirements to safely and humanely house high value detainees current detained at Naval Station Guantanamo Bay, Cuba. As part
of the study, the Secretary shall consider the following alternatives:

(A) The construction of new facilities.

(B) The repair of current facilities.

(C) The renovation and repurposing of other facilities at Naval Station Guantanamo Bay, Cuba.

(D) Such other alternatives as the Secretary considers practicable.

(2) Submission of results.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report containing the results of the study conducted under paragraph (1). The report shall be unclassified, but may include a classified annex.

SEC. 2102. FAMILY HOUSING.

(a) Construction and acquisition.—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Army may construct or acquire family housing units (including land acquisition and supporting facilities) at the installation, and in the amount, set forth in the following table:
Army: Family Housing

<table>
<thead>
<tr>
<th>State/Country</th>
<th>Installation</th>
<th>Units</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pennsylvania</td>
<td>Tobyhanna Army Depot</td>
<td>Family Housing Replacement Construction</td>
<td>$19,000,000</td>
</tr>
</tbody>
</table>

(b) Planning and Design.—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Army may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed $9,222,000.

SEC. 2103. AUTHORIZATION OF APPROPRIATIONS, ARMY.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2019, for military construction, land acquisition, and military family housing functions of the Department of the Army as specified in the funding table in section 4601.

(b) Limitation on Total Cost of Construction Projects.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2101 of this Act may not exceed the total amount authorized to be appro-
priated under subsection (a), as specified in the funding
table in section 4601.

SEC. 2104. MODIFICATION OF AUTHORITY TO CARRY OUT
CERTAIN FISCAL YEAR 2019 PROJECTS.

(a) ANNISTON ARMY DEPOT, ALABAMA.—In the case
of the authorization contained in the table in section
2101(a) of the National Defense Authorization Act for
Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2241)
for Anniston Army Depot, Alabama, for construction of
a weapon maintenance shop, as specified in the funding
table in section 4601 of such Act (132 Stat. 2401), the
Secretary of the Army may construct a 21,000-square foot
weapon maintenance shop.

(b) UNITED STATES MILITARY ACADEMY, NEW
YORK.—The table in section 2101(a) of the National De-
fense Authorization Act for Fiscal Year 2019 (Public Law
115–232; 132 Stat. 2241) is amended in the item relating
to the United States Military Academy, New York, by
striking “$160,000,000” and inserting “$197,000,000”
for construction of a Consolidated Engineering Center and
Parking Structure rather than the separate projects speci-
fied in the funding table in section 4601 of such Act (132
Stat. 2401).
TITLE XXII—NAVY MILITARY
CONSTRUCTION

SEC. 2201. AUTHORIZED NAVY CONSTRUCTION AND LAND
ACQUISITION PROJECTS.

(a) INSIDE THE UNITED STATES.—Using amounts
appropriated pursuant to the authorization of appropri-
tions in section 2204(a) and available for military con-
struction projects inside the United States as specified in
the funding table in section 4601, the Secretary of the
Navy may acquire real property and carry out military
construction projects for the installations or locations in-
side the United States, and in the amounts, set forth in
the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arizona</td>
<td>Marine Corps Air Station Yuma</td>
<td>$189,760,000</td>
</tr>
<tr>
<td>California</td>
<td>Camp Pendleton</td>
<td>$185,569,000</td>
</tr>
<tr>
<td></td>
<td>Marine Corps Air Station Miramar</td>
<td>$37,400,000</td>
</tr>
<tr>
<td></td>
<td>Naval Air Weapons Station China Lake</td>
<td>$64,500,000</td>
</tr>
<tr>
<td></td>
<td>Naval Base Coronado</td>
<td>$165,830,000</td>
</tr>
<tr>
<td></td>
<td>Naval Base San Diego</td>
<td>$9,900,000</td>
</tr>
<tr>
<td></td>
<td>Naval Weapons Station Seal Beach</td>
<td>$123,310,000</td>
</tr>
<tr>
<td></td>
<td>Travis Air Force Base</td>
<td>$64,000,000</td>
</tr>
<tr>
<td>Connecticut</td>
<td>Naval Submarine Base New London</td>
<td>$72,260,000</td>
</tr>
<tr>
<td>Florida</td>
<td>Blount Island</td>
<td>$18,700,000</td>
</tr>
<tr>
<td></td>
<td>Naval Air Station Jacksonville</td>
<td>$32,420,000</td>
</tr>
<tr>
<td>Guam</td>
<td>Joint Region Marianas</td>
<td>$226,000,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Marine Corps Air Station Kaeoeh Bay</td>
<td>$134,050,000</td>
</tr>
<tr>
<td></td>
<td>Naval Ammunition Depot West Loch</td>
<td>$53,790,000</td>
</tr>
<tr>
<td>Maryland</td>
<td>Saint Ingoes</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Camp Lejeune</td>
<td>$217,440,000</td>
</tr>
<tr>
<td></td>
<td>Marine Corps Air Station Cherry Point</td>
<td>$114,570,000</td>
</tr>
<tr>
<td></td>
<td>Marine Corps Air Station New River</td>
<td>$11,320,000</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>Philadelphia</td>
<td>$66,000,000</td>
</tr>
<tr>
<td>South Carolina</td>
<td>Parris Island</td>
<td>$37,200,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Marine Corps Base Quantico</td>
<td>$143,350,000</td>
</tr>
<tr>
<td></td>
<td>Naval Station Norfolk</td>
<td>$128,100,000</td>
</tr>
<tr>
<td></td>
<td>Portsmouth Naval Shipyard</td>
<td>$48,930,000</td>
</tr>
<tr>
<td></td>
<td>Yorktown Naval Weapons Station</td>
<td>$59,000,000</td>
</tr>
<tr>
<td>Washington</td>
<td>Bremerton</td>
<td>$51,010,000</td>
</tr>
<tr>
<td></td>
<td>Keyport</td>
<td>$25,050,000</td>
</tr>
</tbody>
</table>
(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of the Navy may acquire real property and carry out military construction projects for the installations or locations outside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japan</td>
<td>Fleet Activities Yokosuka</td>
<td>$174,692,000</td>
</tr>
<tr>
<td></td>
<td>Marine Corps Air Station Iwakuni</td>
<td>$15,870,000</td>
</tr>
</tbody>
</table>

SEC. 2202. FAMILY HOUSING.

Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed $5,863,000.

SEC. 2203. IMPROVEMENTS TO MILITARY FAMILY HOUSING UNITS.

Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the
authorization of appropriations in section 2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may improve existing military family housing units in an amount not to exceed $41,798,000.

SEC. 2204. AUTHORIZATION OF APPROPRIATIONS, NAVY.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2019, for military construction, land acquisition, and military family housing functions of the Department of the Navy, as specified in the funding table in section 4601.

(b) Limitation on Total Cost of Construction Projects.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2201 of this Act may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.

SEC. 2205. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2017 PROJECT.

The table in section 2201(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2691) is amended in the item relating to
Bangor, Washington, by striking “$113,415,000” and inserting “$161,415,000” for construction of a SEAWOLF Class Service Pier, as specified in the funding table in section 4601 of such Act (130 Stat. 2876).

TITLE XXIII—AIR FORCE
MILITARY CONSTRUCTION
SEC. 2301. AUTHORIZED AIR FORCE CONSTRUCTION AND
LAND ACQUISITION PROJECTS.
(a) INSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska</td>
<td>Eielson Air Force Base</td>
<td>$8,600,000</td>
</tr>
<tr>
<td>Arkansas</td>
<td>Little Rock Air Force Base</td>
<td>$47,000,000</td>
</tr>
<tr>
<td>California</td>
<td>Travis Air Force Base</td>
<td>$43,100,000</td>
</tr>
<tr>
<td>Colorado</td>
<td>Peterson Air Force Base</td>
<td>$54,000,000</td>
</tr>
<tr>
<td></td>
<td>Schriever Air Force Base</td>
<td>$148,000,000</td>
</tr>
<tr>
<td></td>
<td>United States Air Force Academy</td>
<td>$49,000,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Moody Air Force Base</td>
<td>$12,500,000</td>
</tr>
<tr>
<td>Guam</td>
<td>Joint Region Marianas</td>
<td>$65,000,000</td>
</tr>
<tr>
<td>Illinois</td>
<td>Scott Air Force Base</td>
<td>$100,000,000</td>
</tr>
<tr>
<td>Marianas Islands</td>
<td>Tinian</td>
<td>$316,000,000</td>
</tr>
<tr>
<td>Missouri</td>
<td>Whiteman Air Force Base</td>
<td>$27,000,000</td>
</tr>
<tr>
<td>Montana</td>
<td>Malmstrom Air Force Base</td>
<td>$235,000,000</td>
</tr>
<tr>
<td>Nevada</td>
<td>Nellis Air Force Base</td>
<td>$65,200,000</td>
</tr>
<tr>
<td>New Mexico</td>
<td>Holloman Air Force Base</td>
<td>$20,000,000</td>
</tr>
<tr>
<td></td>
<td>Kirtland Air Force Base</td>
<td>$37,900,000</td>
</tr>
<tr>
<td>Texas</td>
<td>Joint Base San Antonio</td>
<td>$207,300,000</td>
</tr>
</tbody>
</table>
Air Force: Inside the United States—Continued

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utah</td>
<td>Joint Base San Antonio-Randolph</td>
<td>$36,000,000</td>
</tr>
<tr>
<td>Washington</td>
<td>Fareschild-White Bluff</td>
<td>$31,000,000</td>
</tr>
</tbody>
</table>

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the installations or locations outside the United States, and in the amounts, set forth in the following table:

Air Force: Outside the United States

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Tindal</td>
<td>$70,600,000</td>
</tr>
<tr>
<td>Cyprus</td>
<td>Royal Air Force Akrotiri</td>
<td>$27,000,000</td>
</tr>
<tr>
<td>Japan</td>
<td>Yokota Air Base</td>
<td>$12,400,000</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Royal Air Force Lakenheath</td>
<td>$14,300,000</td>
</tr>
</tbody>
</table>

SEC. 2302. FAMILY HOUSING.

(a) CONSTRUCTION AND ACQUISITION.—Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Air Force may construct or acquire family housing units (including land acquisition and supporting facilities) at the installation, and in the amount, set forth in the following table:
Air Force: Family Housing

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation</th>
<th>Units</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany ......</td>
<td>Spangdahlem Air Base</td>
<td>Family Housing</td>
<td>$53,584,000</td>
</tr>
</tbody>
</table>

(b) PLANNING AND DESIGN.—Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed $3,409,000.

SEC. 2303. IMPROVEMENTS TO MILITARY FAMILY HOUSING UNITS.

Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Air Force may improve existing military family housing units in an amount not to exceed $53,584,000.

SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR FORCE.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2019, for military con-
struction, land acquisition, and military family housing
functions of the Department of the Air Force, as specified
in the funding table in section 4601.

(b) LIMITATION ON TOTAL COST OF CONSTRUCTION
PROJECTS.—Notwithstanding the cost variations author-
ized by section 2853 of title 10, United States Code, and
any other cost variation authorized by law, the total cost
of all projects carried out under section 2301 of this Act
may not exceed the total amount authorized to be appro-
priated under subsection (a), as specified in the funding
table in section 4601.

SEC. 2305. MODIFICATION OF AUTHORITIES TO CARRY OUT
PHASED JOINT INTELLIGENCE ANALYSIS
COMPLEX CONSOLIDATION.

(a) FISCAL YEAR 2015 PROJECT AUTHORITY.—In
the case of the authorization contained in the table in sec-
tion 2301(b) of the National Defense Authorization Act
3679) for Royal Air Force Croughton, United Kingdom,
for Phase 1 of the Joint Intelligence Analysis Complex
consolidation, as specified in the funding table in section
4601 of such Act (128 Stat. 3973), the Secretary of the
Air Force shall carry out the construction at Royal Air
Force Molesworth, United Kingdom.
(b) Fiscal Year 2016 Project Authority.—In the case of the authorization contained in the table in section 2301(b) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1153), for Royal Air Force Croughton, United Kingdom, for Phase 2 of the Joint Intelligence Analysis Complex consolidation, as specified in the funding table in section 4601 of such Act (129 Stat. 1294), the Secretary of the Air Force may construct a 5,152-square meter Intelligence Analytic Center, a 5,234-square meter Intelligence Fusion Center, and a 807-square meter Battlefield Information Collection and Exploitation System Center at Royal Air Force Molesworth, United Kingdom.

e) Fiscal Year 2017 Project Authority.—In the case of the authorization contained in the table in section 2301(b) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2697), for Royal Air Force Croughton, United Kingdom, for Phase 3 of the Joint Intelligence Analysis Complex consolidation, as specified in the funding table in section 4601 of such Act (130 Stat. 2878), the Secretary of the Air Force may construct a 1,562-square meter Regional Joint Intelligence Training Facility and a 4,495-square meter Combatant Command Intelligence Facility at Royal Air Force Molesworth, United Kingdom.
(d) CONFORMING REPEAL.—Section 2305 of the National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2247) is repealed.

SEC. 2306. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2016 PROJECT.

The table in section 2301(a) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1152) is amended in the item relating to Nellis Air Force Base, Nevada, by striking “$68,950,000” and inserting “$72,050,000” for construction of F-35A Munitions Maintenance Facilities, as specified in the funding table in section 4601 of such Act (129 Stat. 1293).

SEC. 2307. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2017 PROJECT.

The table in section 2301(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2696) is amended in the item relating to Fairchild Air Force Base, Washington, by striking “$27,000,000” and inserting “$31,800,000” for construction of a SERE School Pipeline Dormitory, as specified in the funding table in section 4601 of such Act (130 Stat. 2878).
SEC. 2308. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECTS.

(a) Little Rock Air Force Base, Arkansas.—The table in section 2301(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1825) is amended in the item relating to Little Rock Air Force Base, Arkansas, by striking “$20,000,000” and inserting “$27,000,000” for construction of a dormitory facility, as specified in the funding table in section 4601 of such Act (131 Stat. 2002).

(b) Joint Base San Antonio, Texas.—In the case of the authorization contained in the table in section 2301(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1826) for Joint Base San Antonio, Texas, the Secretary of the Air Force may construct—

(1) a 750-square meter equipment building for construction of a Classrooms/Dining Facility, as specified in the funding table in section 4601 of such Act (131 Stat. 2003); and

(2) a 636-square meter air traffic control tower for construction of an Air Traffic Control Tower, as specified in the funding table in section 4601 of such Act (131 Stat. 2003).

(c) F.E. Warren Air Force Base, Wyoming.—The table in section 2301(a) of the National Defense Au-
Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1825) is amended in the item relating to F.E. Warren Air Force Base, Wyoming, by striking “$62,000,000” and inserting “$80,100,000” for construction of a Consolidated Helo/TRF Ops/AMU and Alert Facility, as specified in the funding table in section 4601 of such Act (131 Stat. 2004).

(d) RYGGE AIR STATION, NORWAY.—In the case of the authorization contained in the table in section 2903 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1876) for Rygge Air Station, Norway, for replacement/expansion of a Quick Reaction Alert Pad, as specified in the funding table in section 4602 of such Act (131 Stat. 2014), the Secretary of the Air Force may construct 1,327 square meters of aircraft shelter and a 404-square meter fire protection support building.

(e) INCIRLIK AIR BASE, TURKEY.—In the case of the authorization contained in the table in section 2903 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1876) for Incirlik Air Base, Turkey, for Relocating Base Main Access Control Point, as specified in the funding table in section 4602 of such Act (131 Stat. 2015), the Secretary of the Air
Force may construct a 176-square meter pedestrian search building.

SEC. 2309. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2019 PROJECTS.

(a) HANSCOM AIR FORCE BASE, MASSACHUSETTS.—
In the case of the authorization contained in the table in section 2301(a) of the National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2246) for Hanscom Air Force Base, Massachusetts, for the construction of a semi-conductor/microelectronics laboratory facility, as specified in the funding table in section 4601 of such Act (132 Stat. 2405), the Secretary of the Air Force may construct a 1,000 kilowatt stand-by generator.

(b) MINOT AIR FORCE BASE, NORTH DAKOTA.—The table in section 2301(a) of the National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2246) is amended in the item relating to Minot Air Force Base, North Dakota, by striking “$66,000,000” and inserting “$71,500,000” for construction of a Consolidated Helo/TRF Ops/AMU and Alert Facility, as specified in the funding table in section 4601 of such Act (132 Stat. 2405).

(c) ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM.—In the case of the authorization contained in the
table in section 2301(b) of the National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2247) for Royal Air Force Lakenheath, United Kingdom, for the construction of an F–35A Dormitory, as specified in the funding table in section 4601 of such Act (132 Stat. 2405), the Secretary of the Air Force may construct a 5,900-square meter dormitory.

TITLE XXIV—DEFENSE AGENCIES MILITARY CONSTRUCTION

SEC. 2401. AUTHORIZED DEFENSE AGENCIES CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) Inside the United States.—Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of Defense may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>Beale Air Force Base</td>
<td>$33,700,000</td>
</tr>
<tr>
<td></td>
<td>Camp Pendleton</td>
<td>$17,700,000</td>
</tr>
<tr>
<td>Florida</td>
<td>Eglin Air Force Base</td>
<td>$16,500,000</td>
</tr>
<tr>
<td></td>
<td>Hurlburt Field</td>
<td>$108,386,000</td>
</tr>
<tr>
<td></td>
<td>Naval Air Station Key West</td>
<td>$16,000,000</td>
</tr>
<tr>
<td>Guam</td>
<td>Joint Region Marianas</td>
<td>$19,200,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Joint Base Pearl Harbor-Hickam</td>
<td>$86,700,000</td>
</tr>
<tr>
<td>Maryland</td>
<td>Fort Detrick</td>
<td>$27,846,000</td>
</tr>
</tbody>
</table>
Defense Agencies: Inside the United States—Continued

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mississippi</td>
<td>Columbus Air Force Base</td>
<td>$16,800,000</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Camp Lejeune</td>
<td>$13,400,000</td>
</tr>
<tr>
<td></td>
<td>Fort Bragg</td>
<td>$84,103,000</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>Tulsa International Airport</td>
<td>$18,900,000</td>
</tr>
<tr>
<td>Rhode Island</td>
<td>Quonset State Airport</td>
<td>$11,600,000</td>
</tr>
<tr>
<td>South Carolina</td>
<td>Joint Base Charleston</td>
<td>$33,300,000</td>
</tr>
<tr>
<td>South Dakota</td>
<td>Ellsworth Air Force Base</td>
<td>$24,800,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Defense Distribution Depot Richmond</td>
<td>$98,800,000</td>
</tr>
<tr>
<td></td>
<td>Joint Expeditionary Base Little Creek</td>
<td>$45,604,000</td>
</tr>
<tr>
<td></td>
<td>Pentagon</td>
<td>$28,802,000</td>
</tr>
<tr>
<td></td>
<td>Training Center Dam Neck</td>
<td>$12,770,000</td>
</tr>
<tr>
<td>Washington</td>
<td>Joint Base Lewis-McChord</td>
<td>$47,700,000</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>General Mitchell International Airport</td>
<td>$25,900,000</td>
</tr>
<tr>
<td>CONUS Classified</td>
<td>Classified Location</td>
<td>$82,200,000</td>
</tr>
</tbody>
</table>

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of Defense may acquire real property and carry out military construction projects for the installations or locations outside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>Geilenkirchen Air Base</td>
<td>$30,479,000</td>
</tr>
<tr>
<td>Japan</td>
<td>Yokota Air Base</td>
<td>$136,411,000</td>
</tr>
</tbody>
</table>

SEC. 2402. AUTHORIZED ENERGY RESILIENCY AND ENERGY CONSERVATION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a), the Secretary of Defense may carry out energy resiliency and energy conservation projects under chapter 173 of title 10,
United States Code, as specified in the funding table in section 4601.

SEC. 2403. AUTHORIZATION OF APPROPRIATIONS, DEFENSE AGENCIES.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2019, for military construction, land acquisition, and military family housing functions of the Department of Defense (other than the military departments), as specified in the funding table in section 4601.

(b) Limitation on Total Cost of Construction Projects.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2401 of this Act may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.
TITLE XXV—INTERNATIONAL PROGRAMS

Subtitle A—North Atlantic Treaty Organization Security Investment Program

SEC. 2501. AUTHORIZED NATO CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of Defense may make contributions for the North Atlantic Treaty Organization Security Investment Program as provided in section 2806 of title 10, United States Code, in an amount not to exceed the sum of the amount authorized to be appropriated for this purpose in section 2502 and the amount collected from the North Atlantic Treaty Organization as a result of construction previously financed by the United States.

SEC. 2502. AUTHORIZATION OF APPROPRIATIONS, NATO.

(a) Authorization.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2019, for contributions by the Secretary of Defense under section 2806 of title 10, United States Code, for the share of the United States of the cost of projects for the North Atlantic Treaty Organization Security Investment Program authorized by section 2501 as specified in the funding table in section 4601.
(b) Authority to Recognize NATO Authorization Amounts as Budgetary Resources for Project Execution.—When the United States is designated as the Host Nation for the purposes of executing a project under the NATO Security Investment Program (NSIP), the Department of Defense construction agent may recognize the NATO project authorization amounts as budgetary resources to incur obligations for the purposes of executing the NSIP project.

Subtitle B—Host Country In-Kind Contributions

SEC. 2511. REPUBLIC OF KOREA FUNDED CONSTRUCTION PROJECTS.

Pursuant to agreement with the Republic of Korea for required in-kind contributions, the Secretary of Defense may accept military construction projects for the installations or locations in the Republic of Korea, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Component</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Army ..........</td>
<td>Camp Carroll</td>
<td>Army Prepositioned Stock-4 Wheeled Vehicle Maintenance Facility</td>
<td>$51,000,000</td>
</tr>
<tr>
<td>Army ..........</td>
<td>Camp Humphreys</td>
<td>Unaccompanied Enlisted Personnel Housing, P1</td>
<td>$154,000,000</td>
</tr>
<tr>
<td>Army ..........</td>
<td>Camp Humphreys</td>
<td>Unaccompanied Enlisted Personnel Housing, P2</td>
<td>$211,000,000</td>
</tr>
<tr>
<td>Army ..........</td>
<td>Camp Humphreys</td>
<td>Satellite Communications Facility</td>
<td>$32,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td>Gwangju Air Base</td>
<td>Hydrant Fuel System</td>
<td>$35,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td>Kunsan Air Base</td>
<td>Upgrade Electrical Distribution System</td>
<td>$14,200,000</td>
</tr>
</tbody>
</table>
Republic of Korea Funded Construction Projects—Continued

<table>
<thead>
<tr>
<th>Component</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Force ...</td>
<td>Kunsan Air Base</td>
<td>Dining Facility</td>
<td>$21,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td>Suwon Air Base</td>
<td>Hydrant Fuel System</td>
<td>$24,000,000</td>
</tr>
</tbody>
</table>

TITLE XXVI—GUARD AND RESERVE FORCES FACILITIES

SEC. 2601. AUTHORIZED ARMY NATIONAL GUARD CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the Army National Guard locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Army National Guard</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>Alabama</td>
</tr>
<tr>
<td>Foley</td>
</tr>
<tr>
<td>California</td>
</tr>
<tr>
<td>Idaho</td>
</tr>
<tr>
<td>Maryland</td>
</tr>
<tr>
<td>Massachusetts</td>
</tr>
<tr>
<td>Minnesota</td>
</tr>
<tr>
<td>Mississippi</td>
</tr>
<tr>
<td>Missouri</td>
</tr>
<tr>
<td>Nebraska</td>
</tr>
<tr>
<td>New Hampshire</td>
</tr>
<tr>
<td>New York</td>
</tr>
<tr>
<td>Pennsylvania</td>
</tr>
<tr>
<td>Vermont</td>
</tr>
<tr>
<td>Washington</td>
</tr>
</tbody>
</table>
SEC. 2602. AUTHORIZED ARMY RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the Army Reserve locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delaware</td>
<td>Newark Army Reserve Center</td>
<td>$21,000,000</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>Fort McCoy</td>
<td>$25,000,000</td>
</tr>
</tbody>
</table>

SEC. 2603. AUTHORIZED NAVY RESERVE AND MARINE CORPS RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Navy may acquire real property and carry out military construction projects for the Navy Reserve and Marine Corps Reserve locations inside the United States, and in the amounts, set forth in the following table:
976

Navy Reserve and Marine Corps Reserve

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Louisiana</td>
<td>New Orleans</td>
<td>$25,260,000</td>
</tr>
</tbody>
</table>

SEC. 2604. AUTHORIZED AIR NATIONAL GUARD CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the Air National Guard locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>Moffett Air National Guard Base</td>
<td>$57,000,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Savannah/Hilton Head International Airport</td>
<td>$24,000,000</td>
</tr>
<tr>
<td>Missouri</td>
<td>Rosecrans Memorial Airport</td>
<td>$9,500,000</td>
</tr>
<tr>
<td>Puerto Rico</td>
<td>Luis Munoz-Marin International Airport</td>
<td>$50,000,000</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>Truax Field</td>
<td>$34,000,000</td>
</tr>
</tbody>
</table>

SEC. 2605. AUTHORIZED AIR FORCE RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the Air Force Reserve locations inside
the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Georgia</td>
<td>Robins Air Force Base</td>
<td>$43,000,000</td>
</tr>
<tr>
<td>Maryland</td>
<td>Joint Base Andrews</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>Minnesota</td>
<td>Minneapolis-St. Paul IAP</td>
<td>$9,800,000</td>
</tr>
</tbody>
</table>

SEC. 2606. AUTHORIZATION OF APPROPRIATIONS, NATIONAL GUARD AND RESERVE.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2019, for the costs of acquisition, architectural and engineering services, and construction of facilities for the Guard and Reserve Forces, and for contributions therefor, under chapter 1803 of title 10, United States Code (including the cost of acquisition of land for those facilities), as specified in the funding table in section 4601.

TITLE XXVII—BASE REALIGNMENT AND CLOSURE ACTIVITIES

SEC. 2701. AUTHORIZATION OF APPROPRIATIONS FOR BASE REALIGNMENT AND CLOSURE ACTIVITIES FUNDED THROUGH DEPARTMENT OF DEFENSE BASE CLOSURE ACCOUNT.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2019, for base realignment and closure activities, including real property
acquisition and military construction projects, as authorized by the Defense Base Closure and Realignment Act of 1990 (part A of title XXIX of Public Law 101–510; 10 U.S.C. 2687 note) and funded through the Department of Defense Base Closure Account established by section 2906 of such Act (as amended by section 2711 of the Military Construction Authorization Act for Fiscal Year 2013 (division B of Public Law 112–239; 126 Stat. 2140)), as specified in the funding table in section 4601.

TITLE XXVIII—MILITARY CONSTRUCTION GENERAL PROVISIONS

Subtitle A—Military Construction Program Changes

SEC. 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.

(a) PROHIBITION.—Military construction funds may not be obligated, expended, or otherwise used 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.

(b) DEFINITIONS.—In this section:
(1) MILITARY CONSTRUCTION FUNDS.—The term “military construction funds” means—

(A) amounts authorized to be appropriated for a military construction project authorized in this division or authorized in any Military Construction Authorization Act for any of fiscal years 2015 through 2019, including any amounts of such an authorization made available to the Department of Defense and transferred to another authorization by the Secretary of Defense pursuant to transfer authority available to the Secretary; and

(B) funds appropriated in any Act for a military construction project described in subparagraph (A).

(2) MILITARY CONSTRUCTION PROJECT.—The term “military construction project” has the meaning given that term in section 2801 of title 10, United States Code.
SEC. 2802. MODIFICATION AND CLARIFICATION OF CONSTRUCTION AUTHORITY IN THE EVENT OF A DECLARATION OF WAR OR NATIONAL EMERGENCY.

(a) LIMITATION ON AMOUNT OF FUNDS AVAILABLE FOR NATIONAL EMERGENCY.—Section 2808 of title 10, United States Code, is amended—

(1) by redesignating subsections (b) and (c) as subsections (e) and (f), respectively; and

(2) by inserting after subsection (a) the following new subsection:

“(c) LIMITATION ON AMOUNT OF FUNDS AVAILABLE FOR NATIONAL EMERGENCY.—(1) Except as provided in paragraph (2), in the event of a declaration by the President of a national emergency in which the construction authority described in subsection (a) is used, the total cost of all military construction projects undertaken using that authority during the national emergency may not exceed $500,000,000.

“(2) In the event of a national emergency declaration in which the construction authority described in subsection (a) will be used only within the United States, the total cost of all military construction projects undertaken using that authority during the national emergency may not exceed $100,000,000.”.
(b) ADDITIONAL CONDITION ON SOURCE OF FUNDS.—Section 2808(a) of title 10, United States Code, is amended—

(1) in the second sentence—

(A) by striking “Such projects may” and inserting the following:

“(b) CONDITIONS ON SOURCE OF FUNDS.—(1) Military construction projects to be undertaken using the construction authority described in subsection (a) may”; and

(B) by inserting before the period at the end of the sentence the following: “and that the Secretary of Defense determines are otherwise unexecutable”; and

(2) by adding after the second sentence the following:

“(2) For purposes of paragraph (1), the Secretary may determine that funds appropriated for military construction are unexecutable if—

“(A) a military construction project for which the funds were appropriated has been cancelled, for a reason other than to provide funds to carry out military construction under this section; or

“(B) the cost of a military construction project for which the funds were appropriated has been reduced because of project modifications or other cost
savings, for a reason other than to provide funds to
carry out military construction under this section.”.

(c) WAIVER OF OTHER PROVISIONS OF LAW.—Sec-
tion 2808 of title 10, United States Code, is amended by
inserting after subsection (c), as added by subsection (a),
the following new subsection:

“(d) WAIVER OF OTHER PROVISIONS OF LAW IN
EVENT OF NATIONAL EMERGENCY.—In the event of a
declaration by the President of a national emergency in
which the construction authority described in subsection
(a) is used, the authority provided by such subsection to
waive or disregard another provision of law that would
otherwise apply to a military construction project author-
ized by this section may be used only if—

“(1) such other provision of law does not pro-
vide a means by which compliance with the require-
ments of the law may be waived, modified, or expe-
dited; and

“(2) the Secretary of Defense determines that
the nature of the national emergency necessitates
the noncompliance with the requirements of the
law.”.

(d) ADDITIONAL NOTIFICATION REQUIREMENTS.—
Subsection (e) of section 2808 of title 10, United States
Code, as redesignated by subsection (a)(1), is amended—
(1) by striking “of the decision” and all that follows through the end of the subsection and inserting the following: “of the following:

“(A) The reasons for the decision to use the construction authority described in subsection (a), including, in the event of a declaration by the President of a national emergency, the reasons why use of the armed forces is required in response to the declared national emergency.

“(B) The construction projects to be undertaken using the construction authority described in subsection (a), including, in the event of a declaration by the President of a national emergency, an explanation of how each construction project directly supports the immediate security, logistical, or short-term housing and ancillary supporting facility needs of the members of the armed forces used in the national emergency.

“(C) The estimated cost of the construction projects to be undertaken using the construction authority described in subsection (a), including the cost of any real estate action pertaining to the construction projects, and certification of compliance with the funding conditions imposed by subsections (b) and (e).
“(D) Any determination made pursuant to subsection (d)(2) to waive or disregard another provision of law to undertake any construction project using the construction authority described in subsection (a).

“(E) The military construction projects, including any military family housing and ancillary supporting facility projects, to be canceled or deferred in order to provide funds to undertake construction projects using the construction authority described in subsection (a) and the possible impact of the cancellation or deferment of such military construction projects on military readiness and the quality of life of members of the armed forces and their dependents.”; and

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

“(2) In the event of a declaration by the President of a national emergency in which the construction authority described in subsection (a) is used, a construction project to be undertaken using such construction authority may be carried out only after the end of the five-day period beginning on the date the notification required by paragraph (1) is received by the appropriate committees of Congress.”.
(e) Clerical Amendments.—Section 2808 of title 10, United States Code, is further amended—
(1) in subsection (a), by inserting “Construction Authorized.—” after “(a)”;
(2) in subsection (e), as redesignated by subsection (a)(1), by inserting “Notification Requirement.—(1)” after “(e)”;
(3) in subsection (f), as redesignated by subsection (a)(1), by inserting “Termination of Authority.—” after “(f)”.

SEC. 2803. INCLUSION OF INFORMATION REGARDING MILITARY INSTALLATION RESILIENCE IN MASTER PLANS FOR MAJOR MILITARY INSTALLATIONS.

(a) Military Installation Resilience.—Section 2864 of title 10, United States Code, is amended—
(1) in subsection (a)(1), by inserting “military installation resilience,” after “master planning,”;
(2) by redesignating subsections (c) and (d) as subsections (e) and (f), respectively; and
(3) by inserting after subsection (b) the following new subsection:
“(e) Military Installation Resilience Component.—To address military installation resilience under
subsection (a)(1), each installation master plan shall discuss the following:

“(1) Risks and threats to military installation resilience that exist at the time of the development of the plan and that are projected for the future, including from extreme weather events, mean sea level fluctuation, wildfires, flooding, and other changes in environmental conditions.

“(2) Assets or infrastructure located on the military installation vulnerable to the risks and threats described in paragraph (1), with a special emphasis on assets or infrastructure critical to the mission of the installation and the mission of members of the armed forces.

“(3) Lessons learned from the impacts of extreme weather events, including changes made to the military installation to address such impacts, since the prior master plan developed under this section.

“(4) Ongoing or planned infrastructure projects or other measures, as of the time of the development of the plan, to mitigate the impacts of the risks and threats described in paragraph (1).

“(5) Community infrastructure and resources located outside the installation (such as medical fa-
ilities, transportation systems, and energy infra-
structure) that are—

“(A) necessary to maintain mission capa-
bility or that impact the resilience of the mili-
tary installation; and

“(B) vulnerable to the risks and threats
described in paragraph (1).

“(6) Agreements in effect or planned, as of the
time of the development of the plan, with public or
private entities for the purpose of maintaining or en-
hancing military installation resilience or resilience
of the community infrastructure and resources de-
scribed in paragraph (5).

“(7) Projections from recognized governmental
and scientific entities such as the Census Bureau,
the National Academies of Sciences, the United
States Geological Survey, and the United States
Global Change Research Office (or any similar suc-
cessor entities) with respect to future risks and
threats (including the risks and threats described in
paragraph (1)) to the resilience of any project con-
sidered in the installation master plan during the
50-year lifespan of the installation.”.

(b) REPORT ON MASTER PLANS.—Section 2864 of
title 10, United States Code, is amended by inserting after
subsection (c), as added by subsection (a), the following new subsection:

“(d) REPORT.—Not later than March 1 of each year, the Secretary of Defense shall submit to the congressional defense committees a report listing all master plans completed pursuant to this section in the prior calendar year.”.

SEC. 2804. IMPROVED CONSULTATION WITH TRIBAL GOVERNMENTS WHEN PROPOSED MILITARY CONSTRUCTION PROJECTS POTENTIALLY IMPACT INDIAN TRIBES.

Section 2802 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(f)(1) If a proposed military construction project has the potential to significantly affect tribal lands, sacred sites, or tribal treaty rights, the Secretary concerned shall initiate consultation with the tribal government of each impacted Indian tribe—

“(A) to determine the nature, extent, and estimated costs of the adverse impacts;

“(B) to determine whether the adverse impacts can be avoided or mitigated in the design and implementation of the project; and
“(C) if the adverse impacts cannot be avoided, to develop feasible measures to mitigate the impacts and estimate the cost of the mitigation measures.

“(2) As part of the Department of Defense Form 1391 submitted to the appropriate committees of Congress for a military construction project covered by paragraph (1), the Secretary concerned shall include a description of the current status of the consultation conducted under such paragraph and specifically address each of the items specified in subparagraphs (A), (B), and (C) of such paragraph.

“(3) In this subsection:

“(A) The term ‘Indian tribe’ has the meaning given that term in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 5304).

“(B) The term ‘tribal government’ means the recognized governing body of an Indian tribe.

“(C) The term ‘sacred site’ has the meaning given that term in Executive Order 13007, as in effect on the date of the enactment of the National Defense Authorization Act for Fiscal Year 2020.”.
SEC. 2805. AMENDMENT OF UNIFIED FACILITIES CRITERIA TO PROMOTE MILITARY INSTALLATION RESILIENCE, ENERGY RESILIENCE, ENERGY AND CLIMATE RESILIENCY, AND CYBER RESILIENCE.

(a) Amendment Required.—Not later than September 1, 2020, the Secretary of Defense shall amend the Unified Facility Criteria related to military construction planning and design to ensure that building practices and standards promote military installation resilience, energy resilience, energy and climate resiliency, and cyber resilience.

(b) Conditional Availability of Funds Pending Initiation of Amendment Process.—Not more than 25 percent of the funds authorized to be appropriated for fiscal year 2020 for Department of Defense planning and design accounts related to military construction projects may be obligated until the date on which the Secretary of Defense submits to the Committees on Armed Services of the House of Representatives and the Senate a certification that the Secretary has initiated the process to amend the Unified Facility Criteria to comply with the requirements of subsection (a) and intends to complete the amendment process by the date specified in such subsection.
(c) IMPLEMENTATION OF UNIFIED FACILITIES CRITERIA AMENDMENT.—

(1) IMPLEMENTATION.—Any Department of Defense Form 1391 submitted to Congress after the date specified in subsection (a) must be in compliance with the Unified Facility Criteria, amended as required by subsection (a).

(2) CERTIFICATION.—Not later than March 1, 2021, the Secretary of Defense shall certify to the Committees on Armed Services of the House of Representatives and the Senate that the amendment required by subsection (a) and the amendment required by section 2805(c) of the Military Construction Authorization Act for Fiscal Year 2019 (division B of Public Law 115–232; 132 Stat. 2262; 10 U.S.C. 2864 note) have been completed and fully incorporated into military construction planning and design.

(d) ANNUAL REVIEW.—Beginning with fiscal year 2022, and annually thereafter, the Secretary of Defense shall conduct a review comparing the Unified Facility Criteria and industry best practices to ensure that military construction building practices and standards related to military installation resilience, energy resilience, energy and climate resiliency, and cyber resilience remain current.
(c) Definitions.—In this section:

(1) The terms “energy resilience” and “military installation resilience” have the meanings given those terms in section 101(e) of title 10, United States Code.

(2) The term “energy and climate resiliency” has the meaning given that term in section 2864 of title 10, United States Code.

SEC. 2806. MODIFICATION TO DEPARTMENT OF DEFENSE FORM 1391 REGARDING CONSIDERATION OF POTENTIAL LONG-TERM ADVERSE ENVIRONMENTAL EFFECTS.

(a) Modification.—

(1) Certification requirement.—The Secretary of Defense shall modify Department of Defense Form 1391 to require, with respect to any proposed major or minor military construction project requiring congressional notification or approval, the inclusion of a certification by the Secretary of Defense or the Secretary of the military department concerned that the proposed military construction project takes into consideration—

(A) the potential adverse consequences of long-term changes in environmental conditions, such as increasingly frequent extreme weather
events, that could affect the military installation
resilience of the installation for which the mili-
tary construction project is proposed; and

(B) building requirements in effect for the
locality in which the military construction
project is proposed and industry best practices
that are developed to withstand extreme weather events and other consequences of changes in
environmental conditions.

(2) ELEMENTS OF CERTIFICATION.—As part of
the certification required by paragraph (1) for a pro-
posed military construction project, the Secretary
concerned shall identify the potential changes in en-
vironmental conditions, such as increasingly frequent
extreme weather events, considered and addressed
under subparagraphs (A) and (B) of paragraph (1).

(b) RELATION TO RECENT MODIFICATION REQUIRE-
MENT.—The modification of Department of Defense Form
1391 required by subsection (a) is in addition to, and ex-
pands upon, the modification of Department of Defense
Form 1391 with respect to flood risk disclosure for mili-
tary construction required by section 2805(a) of the Mili-
tary Construction Authorization Act for Fiscal Year 2019
(division B of Public Law 115–232; 132 Stat. 2262; 10
(c) **MILITARY INSTALLATION RESILIENCE DEFINED.**—In this section, the term “military installation resilience” has the meaning given that term in section 101(e)(8) of title 10, United States Code.

**Subtitle B—Military Family Housing Reforms**

**SEC. 2811. ENHANCED PROTECTIONS FOR MEMBERS OF THE ARMED FORCES AND THEIR DEPENDENTS RESIDING IN PRIVATIZED MILITARY HOUSING UNITS.**

(a) **SPECIFIED RIGHTS OF TENANCY IN PRIVATIZED MILITARY HOUSING UNITS.**—

(1) **IN GENERAL.**—Section 2886 of title 10, United States Code, is amended to read as follows:

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§ 2886. Specified rights of tenancy in military housing units

“(a) CONTRACT REQUIREMENT FOR MILITARY HOUSING UNITS.—

“(1) INCLUSION OF RIGHTS OF TENANCY.—

Each contract between the Secretary concerned and a landlord shall guarantee the rights of tenancy specified in this section for military tenants who reside in military housing units covered by the contract.
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“(2) Rule of Construction.—The rights of tenancy in military housing units specified in this section are not intended to be exclusive. The omission of a tenant right or protection shall not be construed to deny the existence of such a right or protection for military tenants.

“(3) Written Lease and Explanation of Tenancy.—(A) The lease between a landlord and military tenant shall be in writing to establish tenancy in a military housing unit. The landlord shall provide the military tenant with a copy of the lease, any addendums, and any other regulations imposed by the landlord regarding occupancy of the military housing unit and use of common areas.

“(B) The Secretary concerned shall require that a military tenant receive a plain-language briefing regarding the rights of tenancy guaranteed by this section and the respective responsibilities of landlords and military tenants related to tenancy, including the existence of any additional fees authorized by subsection (c)(2), any utilities payments, the procedures for submitting and tracking work orders, the identity of the military tenant advocate, and the dispute resolution process.

“(b) Protection Against Retaliation.—
“(1) IN GENERAL.—A landlord may not retaliate against a military tenant, directly or through the chain-of-command of a member of the armed forces who is a military tenant, in response to a military tenant making a complaint relating to a military housing unit or common areas. Evidence of retaliation may include any of the following actions, including unsuccessful attempts to commit such an action:

“(A) Unlawful recovery of, or attempt to recover, possession of a military housing unit.

“(B) Unlawfully increasing the rent, decreasing services, or increasing the obligations of a military tenant.

“(C) Interference with a military tenant’s right to privacy.

“(D) Harassment of a military tenant.

“(E) Refusal to honor the terms of the lease.

“(F) Interference with the career of a military tenant.

“(2) INVESTIGATION.—The Inspector General of the Department of Defense and the Inspector General of a military department may investigate allegations of retaliation against a military tenant in
connection with a complaint relating to a military housing unit.

“(c) PROHIBITION AGAINST COLLECTION OF AMOUNTS IN ADDITION TO RENT.—

“(1) IN GENERAL.—A landlord may not impose on a military tenant a supplemental payment, such as an out-of-pocket fee, in addition to the amount of rent the landlord charges for a unit of similar size and composition to the military housing unit, without regard to whether or not the amount of the member’s basic allowance for housing under section 403 of title 37 is less than the amount of the rent.

“(2) EXCEPTIONS.—Nothing in paragraph (1) shall be construed—

“(A) to prohibit a landlord from imposing an additional payment—

“(i) for optional services provided to military tenants, such as access to a gym or a parking space;

“(ii) for non-essential utility services, as determined in accordance with regulations promulgated by the Secretary concerned; or

“(iii) to recover damages associated with tenant negligence; or
“(B) to limit or otherwise affect the authority of the Secretary concerned to enter into rental guarantee agreements under section 2876 of this title or to make differential lease payments under section 2877 of this title, so long as such agreements or payments do not require a military tenant to pay an out-of-pocket fee or payment in addition to the basic allowance for housing of the member.

“(d) DISPUTE RESOLUTION PROCESS.—

“(1) ESTABLISHMENT.—The Secretary concerned shall establish a dispute resolution process for the resolution of disputes between landlords and military tenants related to military housing units. The resolution process shall use neutral arbitrators and minimize costs incurred by military tenants to participate.

“(2) TREATMENT OF BASIC ALLOWANCE FOR HOUSING.—During the dispute resolution process between a landlord and military tenant, the Secretary concerned may withhold from the landlord amounts of the military tenant’s basic allowance for housing under section 403 of title 37 that otherwise would be paid to the landlord directly by the military
tenant or through allotments of the pay of the military tenant under section 701 of such title.

“(e) PROMPT MAINTENANCE AND REPAIRS.—

“(1) IN GENERAL.—The Secretary concerned shall ensure that landlords—

“(A) respond promptly to requests for the maintenance or repair of a military housing unit; and

“(B) communicate effectively with military tenants regarding the schedule and status of maintenance or repair requests.

“(2) ELECTRONIC WORK ORDER SYSTEM.—To promote the policy objective described in paragraph (1), the Secretary concerned shall require the establishment of an electronic work order system through which a military tenant may request maintenance or repairs of a military housing unit and track the progress of the work.

“(3) ACCESS TO SYSTEM.—The electronic work order system shall be accessible—

“(A) to a military tenant to track a work request made through the system by the military tenant;

“(B) to military tenant advocates or a commander of the relevant military installation.
to track a work request made through the system; and

“(C) to the landlord responsible for the military housing unit to track a work request made through the system by a military tenant.

“(f) Disclosure of Housing Code Violations and Hazards.—

“(1) In general.—Before accepting a rental application from a prospective military tenant to lease a military housing unit, the landlord must disclose to the prospective military tenant the following:

“(A) Any housing code violations with respect to the military housing unit incurred within the previous three years.

“(B) Either a three–year history of mold contamination with respect to the military housing unit and common areas or proof of proper remediation.

“(C) Either a three–year history of lead contamination in water with respect to the military housing unit and common areas or proof of proper remediation.

“(D) Either a three–year history of rodent infestation with respect to the military housing
unit and common areas or proof of proper remediation.

“(E) Any information regarding health-related symptoms among previous residents of the military housing unit that may have been the result of exposure to environmental hazards in the military housing unit or common areas, if such residents agreed to voluntarily disclose such information. The military tenant advocate shall inform military tenants of their option to disclose or decline to disclose such information.

“(2) CONTINUED REQUIREMENT.—The landlord must make the information referred to in paragraph (1) accessible to the military tenant throughout the lease of the military housing unit.

“(g) UNIT INSPECTIONS.—

“(1) MOVE-IN.—A military tenant is entitled to be present for an inspection of a military housing unit before accepting occupancy of the military housing unit to ensure that the military housing unit is habitable and that facilities and common areas of the building are in good repair.

“(2) MOVE-OUT.—A military tenant is entitled to be present for the move-out inspection and must be given sufficient time to address any concerns re-
lated to the military tenant’s occupancy of the military housing unit.

“(h) MILITARY TENANT ADVOCATES.—(1)(A) The Secretary concerned shall assign personnel of the Department of Defense or contractor personnel to serve as a military tenant advocate—

“(i) to assist in the resolution of a dispute between a landlord and a military tenant; and

“(ii) to serve as a liaison between military tenants and landlords, officials in the chain of command at the installation, and the individual designated in paragraph (2) within the Office of the Secretary of Defense, with respect to concerns of military tenants at the applicable installation.

“(B) A military tenant advocate may not be an employee of a landlord or occupy office-space provided by a landlord.

“(2)(A) The Secretary of Defense shall designate an individual within the Office of the Secretary of Defense to serve as the liaison between the Secretary and the Secretaries concerned, the military tenant advocates under paragraph (1), landlords, and other offices of the Department as the Secretary determines appropriate with respect to military tenant issues.
“(B) Not later than one year after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2020, and annually thereafter for the next two years, the individual designated under subparagraph (A) shall submit to the Secretary of Defense and the congressional defense committees a report containing a description of—

“(i) common issues encountered by military tenants with respect to military housing; and

“(ii) the responsiveness of landlords to tenant requests for the maintenance or repair of military housing units.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter IV of title 10, United States Code, is amended by striking the item relating to section 2886 and inserting the following new item:

“2886. Specified rights of tenancy in military housing units.”.

(b) DEFINITIONS.—Section 2871 of title 10, United States Code, is amended—

(1) by redesignating paragraphs (7) and (8) as paragraphs (10) and (11), respectively; and

(2) by inserting after paragraph (6) the following new paragraphs:

“(7) The term ‘landlord’ means an eligible entity that enters into a contract as a partner with the
Secretary concerned for the acquisition or construction of a military housing unit under this subchapter or any subsequent lessor who owns, manages, or is otherwise responsible for a military housing unit.

“(8) The term ‘military housing unit’ means a unit of military family housing or military unaccompanied housing acquired or constructed under this subchapter.

“(9) The term ‘military tenant’ means a member of the armed forces who occupies a military housing unit and any dependent of the member who is a party to a lease for a military housing unit or is authorized to act on behalf of the member in the event of the assignment or deployment of the member.”.

(e) IMPLEMENTATION REPORT.—Not later than March 1, 2020, the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report containing a plan to implement section 2886 of title 10, United States Code, as amended by subsection (a). In the report, the Secretary shall identify any circumstances that would impede application of the requirements of such section to existing contracts for the acquisition or construction of military family housing units or military unaccompanied housing units.
under subchapter IV of chapter 169 of such title, and to
existing contracts for the management of such military
housing units.

SEC. 2812. PROHIBITION ON USE OF NONDISCLOSURE
AGREEMENTS IN CONNECTION WITH LEASES
OF MILITARY HOUSING CONSTRUCTED OR
ACQUIRED USING ALTERNATIVE AUTHORITY
FOR ACQUISITION AND IMPROVEMENT OF
MILITARY HOUSING.

(a) NONDISCLOSURE AGREEMENTS PROHIBITED.—
Section 2882 of title 10, United States Code, is amended
by adding at the end the following new subsection:

“(d) PROHIBITION ON USE OF NONDISCLOSURE
AGREEMENTS.—(1) A member of the armed forces who
leases a housing unit acquired or constructed under this
subchapter, and any dependent of the member who is a
party to a lease for such a unit or is authorized to act
on behalf of the member in the event of the assignment
or deployment of the member, may not be required to sign
a nondisclosure agreement in connection with entering
into, continuing, or terminating the lease. Any such agree-
ment against the interests of the member is invalid.

“(2) Paragraph (1) shall not apply to a nondisclosure
agreement executed as part of the settlement of litiga-
tion.”.
(b) IMPLEMENTATION.—The Secretary of Defense and the Secretaries of the military departments shall pro-
mulgate regulations necessary to give full force and effect to subsection (d) of section 2882 of title 10, United States Code, as added by subsection (a).

(c) RETROACTIVE APPLICATION OF AMENDMENT.—Subsection (d) of section 2882 of title 10, United States Code, as added by subsection (a), shall apply with respect to any nondisclosure agreement covered by the terms of such subsection (d) regardless of the date on which the agreement was executed.

SEC. 2813. AUTHORITY TO FURNISH CERTAIN SERVICES IN CONNECTION WITH USE OF ALTERNATIVE AUTHORITY FOR ACQUISITION AND IMPROVEMENT OF MILITARY HOUSING.

Section 2872a(b) of title 10, United States Code, is amended by adding at the end the following new para-
graphs:

“(13) Street sweeping.

“(14) Tree trimming and removal.”.
SEC. 2814. MODIFICATION TO REQUIREMENTS FOR WINDOW FALL PREVENTION DEVICES IN MILITARY FAMILY HOUSING UNITS.

(a) FALL PREVENTION DEVICE REQUIREMENTS.—

Section 2879(a) of title 10, United States Code, is amended—

(1) in paragraph (1), by striking “that protect against unintentional window falls by young children and that are in compliance with applicable International Building Code (IBC) standards” and inserting “described in paragraph (3)”;

(2) in paragraph (2)—

(A) in subparagraph (A), by striking “December 11, 2017” and inserting “October 1, 2019”; and

(B) in subparagraph (B), by striking “September 1, 2018” and inserting “October 1, 2019”; and

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

“(3) FALL PREVENTION DEVICE DESCRIBED.—

A fall prevention device is a window screen or guard that complies with applicable standards in ASTM standard F2090-13 (or any successor standard).”.
(b) Modification to Window Description.—Section 2879(c) of title 10, United States Code, is amended by striking “24” and inserting “42”.

(c) Conforming Amendment.—Section 2879(b)(1) of title 10, United States Code, is amended by striking “paragraph (1)” and inserting “paragraph (3)”.

SEC. 2815. ASSESSMENT OF HAZARDS IN DEPARTMENT OF DEFENSE HOUSING.

(a) Hazard Assessment Tool.—

(1) Development Required.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall develop an assessment tool, such as a rating system or similar mechanism, to identify and measure health and safety hazards in housing under the jurisdiction of the Department of Defense (including privatized housing).

(2) Components.—The assessment tool shall provide for the identification and measurement of the following hazards:

(A) Physiological hazards, including dampness and mold growth, lead-based paint, asbestos and manmade fibers, radiation, biocides, and volatile organic compounds.
(B) Psychological hazards, including ease of access by unlawful intruders, and lighting issues.

(C) Infection hazards.

(D) Safety hazards.

(3) PUBLIC FORUMS.—In developing the assessment tool, the Secretary of Defense shall provide for multiple public forums at which the Secretary may receive input with respect to such assessment tool from occupants of housing under the jurisdiction of the Department of Defense (including privatized housing).

(4) REPORT.—Not later than 210 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representa-
tives a report on the assessment tool.

(b) HAZARD ASSESSMENTS.—

(1) ASSESSMENTS REQUIRED.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense, using the assessment tool developed under subsection (a)(1), shall complete a hazard assessment for each housing facility under the jurisdiction of the Department of Defense (in-
cluding privatized housing).
(2) Tenant Information.—As soon as practicable after the completion of the hazard assessment conducted for a housing facility under paragraph (1), the Secretary of Defense shall provide to each individual who leases or is assigned to a housing unit in the facility a summary of the results of the assessment.

SEC. 2816. DEVELOPMENT OF PROCESS TO IDENTIFY AND ADDRESS ENVIRONMENTAL HEALTH HAZARDS IN DEPARTMENT OF DEFENSE HOUSING.

(a) Process Required.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Secretaries of the military departments, shall develop a process to identify, record, and resolve environmental health hazards in housing under the jurisdiction of the Department of Defense (including privatized housing) in a timely manner.

(b) Elements of Process.—The process developed under subsection (a) shall provide for the following with respect to each identified environmental health hazard:

(1) Categorization of the hazard.

(2) Identification of health risks posed by the hazard.
(3) Identification of the number of housing occupants potentially affected by the hazard.

(4) Recording and maintenance of information regarding the hazard.

(5) Resolution of the hazard, which shall include—

(A) the performance by the Secretary of Defense (or in the case of privatized housing, the landlord) of hazard remediation activities at the affected facility; and

(B) follow-up by the Secretary of Defense to collect information on medical care related to the hazard sought or received by individuals affected by the hazard.

(c) COORDINATION.—The Secretary of Defense shall ensure coordination between military treatment facilities, appropriate public health officials, and housing managers at military installations with respect to the development and implementation of the process required by subsection (a).

(d) REPORT.—Not later than 210 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the process required by subsection (a).
SEC. 2817. REPORT ON CIVILIAN PERSONNEL SHORTAGES FOR APPROPRIATE OVERSIGHT OF MANAGEMENT OF MILITARY HOUSING CONSTRUCTED OR ACQUIRED USING ALTERNATIVE AUTHORITY FOR ACQUISITION AND IMPROVEMENT OF MILITARY HOUSING.

(a) REPORT REQUIRED.—Not later than six months after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Secretaries of the military departments, shall submit to the congressional defense committees a report containing the following:

(1) An evaluation of the extent to which shortages in the number of civilian personnel performing oversight functions at Department of Defense housing management offices or assigned to housing-related functions at headquarters levels contribute to problems regarding the management of military housing constructed or acquired using the alternative authority for the acquisition and improvement of military housing under subchapter IV of chapter 169 of title 10, United States Code.

(2) Recommendations to address such personnel shortages in order to eliminate management problems regarding such military housing, ensure oversight of the partner’s execution of the housing agreement and the delivery of all requirements in accord-
ance with implementing guidance provided by the
Secretaries of the military departments, improve
oversight of and expedite the work-order process,
and facilitate a positive experience for members of
the Armed Forces and their dependents who reside
in military housing.

(b) PERSONNEL RECOMMENDATIONS.—As part of
the recommendations required by subsection (a)(2), the
Secretary of Defense shall—

(1) determine the number of additional per-
sonnel who are required, the installation and head-
quarter locations at which they will be employed, the
employment positions they will fill, and the duties
they will perform;

(2) identify the number of additional personnel
already hired as of the date on which the report is
submitted and their locations and the timeline for
employing the remaining required personnel; and

(3) estimate the cost of employing the addi-
tional personnel.
SEC. 2818. INSPECTOR GENERAL REVIEW OF DEPARTMENT OF DEFENSE OVERSIGHT OF PRIVATIZED MILITARY HOUSING.

Not later than one year after the date of the enactment of this Act, and annually thereafter until 2022, the Inspector General of the Department of Defense shall—

(1) conduct a review at not less than 15 randomly selected military installations of the oversight by the Secretary of Defense of privatized military housing at such installations; and

(2) make publicly available on a website of the Department a summary of the results of such review.

SEC. 2819. DEPARTMENT OF DEFENSE INSPECTION AUTHORITY REGARDING PRIVATIZED MILITARY HOUSING.

(a) Inspection Authority.—Section 2885 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(g) POST-CONSTRUCTION ACCESS AND INSPECTION AUTHORITY.—

“(1) REQUIREMENT.—The Secretary concerned shall retain the authority after the completion of a military housing privatization project to access and inspect any military housing unit, ancillary supporting facility, or common area acquired, con-
constructed, or renovated as part of the project in order
to protect the health and safety of members of the
armed forces and their dependents who occupy the
privatized military housing units.

“(2) NOTICE AND RIGHT OF REFUSAL OF AC-
CESS AND INSPECTION.—The Secretary concerned
shall ensure that the individuals who lease or are as-
signed a military housing unit—

“(A) are provided not less than 48 hours
notice prior to the Secretary concerned access-
ing and inspecting the unit as authorized under
paragraph (1); and

“(B) have the right to refuse the Secretary
cconcerned such access.”.

(b) RETROACTIVE APPLICATION OF AMENDMENT.—
Subsection (g) of section 2885 of title 10, United States
Code, as added by subsection (a), shall apply to each mili-
tary housing privatization project completed prior to the
date of the enactment of this Act, and to each such project
completed on or after such date.

SEC. 2820. IMPROVEMENT OF PRIVATIZED MILITARY HOUS-
ING.

(a) COMPLAINT DATABASE AND FINANCIAL TRANSP-
ARENCY.—
(1) IN GENERAL.—Subchapter IV of chapter 169 of title 10, United States Code, is amended by adding at the end the following new sections:

§ 2887. Complaint database

“(a) DATABASE REQUIRED.—The Secretary of Defense shall establish a database that is available to the public of complaints relating to housing units under this subchapter.

“(b) FILING OF COMPLAINTS.—The Secretary shall ensure that a tenant of a housing unit under this subchapter may file a complaint relating to such housing unit for inclusion in the database under subsection (a).

“(c) RESPONSE BY LANDLORD.—(1) The Secretary shall include in any contract with a landlord responsible for a housing unit under this subchapter a requirement that the landlord respond to any complaints included in the database under subsection (a) that relate to the housing unit.

“(2) Any response under paragraph (1) shall be included in the database under subsection (a).

§ 2888. Financial transparency

“(a) AUDITS OF AGREEMENTS WITH PARTNERS.—(1) Not less frequently than annually, the Comptroller General of the United States, in accordance with best audit practices, shall randomly select one small, medium,
and large military installation participating in the Military
Privatized Housing Initiative for the purposes of con-
ducting a full financial audit of the privatized housing
project or projects at each installation. The results of au-
dits conducted under this section shall be provided to the
Secretary of Defense and the Committees on Armed Serv-
ices of the Senate and the House of Representatives.

“(2) Audits conducted under paragraph (1) shall in-
clude an analysis, at a minimum, of the following:

“(A) Base management fees for managing the
housing units.

“(B) Incentive fees relating to the housing
units, including details on the following:

“(i) Metrics upon which such incentive fees
are paid.

“(ii) Whether incentive fees were paid in
full or withheld in part or in full during the
year covered by the publication, and if so, why.

“(C) Asset management fees relating to the
housing units.

“(D) Preferred return fees relating to the hous-
ing units.

“(E) Any deferred fees or other fees relating to
the housing units.
“(F) Residual cash flow distributions relating to the housing units.

“(G) Provider’s financial relationship with and use of subsidiaries and third parties to manage/implement housing agreements.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter IV of chapter 169 of title 10, United States Code, is amended by inserting after the item relating to section 2886 the following new items:

“2887. Complaint database.

“2888. Financial transparency.”.

(b) ANNUAL REPORTS ON PRIVATIZED MILITARY HOUSING.—Section 2884 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(d) ANNUAL REPORT ON HOUSING.—(1) Not less frequently than annually, the Secretary of Defense shall submit to the congressional defense committees and publish on a publicly available website of the Department of Defense a report on housing units under this subchapter, disaggregated by military installation.

“(2) Each report submitted under paragraph (1) shall include the following:

“(A) An assessment of the condition of housing units under this subchapter based on the average
age of those units and the estimated time until recapitalization.

“(B) An analysis of complaints of tenants of such housing units.

“(C) An assessment of maintenance response times and completion of maintenance requests relating to such housing units.

“(D) An assessment of dispute resolution relating to such housing units, which must include an analysis of all denied tenant requests to withhold rent payments, or where the dispute resolution process resulted in a favorable outcome for the housing provider.

“(E) An assessment of overall customer service for tenants of such housing units.

“(F) A description of the results of any no-notice housing inspections conducted for such housing units.

“(G) The results of any resident surveys conducted with respect to such housing units.”.
Subtitle C—Real Property and Facilities Administration

SEC. 2831. IMPROVED ENERGY SECURITY FOR MAIN OPERATING BASES IN EUROPE.

(a) Prohibition on Use of Certain Energy Source.—The Secretary of Defense shall ensure that each contract for the acquisition of furnished energy for a covered military installation in Europe does not use natural gas sourced from inside the Russian Federation as a means of generating the furnished energy for the covered military installation.

(b) Waiver for National Security Interests.—

(1) Waiver authority; certification.—The Secretary of Defense may waive application of subsection (a) to a specific contract for the acquisition of furnished energy for a covered military installation if the Secretary certifies to the congressional defense committees that—

(A) the waiver of such subsection is necessary to ensure an adequate supply of furnished energy for the covered military installation; and

(B) the Secretary has balanced these national security requirements against the poten-
tial risk associated with reliance upon the Russian Federation for furnished energy.

(2) Submission of waiver notice.—Not later than 14 days before the execution of any energy contract for which a waiver is granted under paragraph (1), the Secretary of Defense shall submit to the congressional defense committees notice of the waiver. The waiver notice shall include the following:

(A) The rationale for the waiver, including the basis for the certifications required by subparagraphs (A) and (B) of paragraph (1).

(B) An assessment of how the waiver may impact the European energy resiliency strategy.

(C) An explanation of the measures the Department of Defense is taking to mitigate the risk of using Russian Federation furnished energy.

(c) Definitions.—In this section:

(1) The term “covered military installation” means a military installation in Europe identified by the Department of Defense as a main operating base.

(2) The term “furnished energy” means energy furnished to a covered military installation in any
form and for any purpose, including heating, cooling, and electricity.

SEC. 2832. ACCESS TO DEPARTMENT OF DEFENSE FACILITIES FOR CREDENTIALED TRANSPORTATION WORKERS.

Section 1050 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 113 note) is amended—

(1) by striking subsection (a) and inserting the following new subsection:

“(a) ACCESS TO FACILITIES FOR CREDENTIALED TRANSPORTATION WORKERS.—The Secretary of Defense, to the extent practicable—

“(1) shall ensure that the Transportation Worker Identification Credential is accepted as a valid credential for unescorted access to a work site at a maritime terminal of the Department of Defense; and

“(2) may provide that the Transportation Worker Identification Credential be accepted as a valid credential for unescorted access to Department of Defense facilities other than those specified in paragraph (1).”;

(2) in the section heading, by striking “INSTALLATIONS” and inserting “FACILITIES”.


Subtitle D—Land Conveyances

SEC. 2841. LAND CONVEYANCE, HILL AIR FORCE BASE, UTAH.

(a) CONVEYANCE AUTHORIZED.—The Secretary of the Air Force may convey, without consideration, to the State of Utah or a designee of the State of Utah (in this section referred to as the “State”) all right, title, and interest of the United States in and to a parcel of real property, including improvements thereon, consisting of approximately 35 acres located at Hill Air Force Base (commonly known as the Defense Nontactical Generator and Rail Center), and such real property adjacent to the Center as the parties consider to be appropriate, for the purpose of permitting the State to construct a new interchange for Interstate 15.

(b) CONDITION OF CONVEYANCE.—As a condition on the conveyance authorized by subsection (a), the State shall agree to the following:

(1) That, not later than two years after the date of the conveyance of the property under such subsection, the State, at no cost to the United States, shall—

(A) demolish all improvements, and infrastructure associated with the improvements, in
existence on the property as of the date of the conveyance; and

(B) subject to subsection (c), complete all environmental cleanup and remediation activities as may be required for the planned redevelopment and use of the property.

(2) That, as part of the construction of the new Interstate 15 interchange referred to in subsection (a), the State, at no cost to the United States, shall construct on the property a new gate for Hill Air Force Base in compliance with such construction, security, and other requirements as the Secretary of the Air Force considers to be necessary.

(3) That the State shall coordinate any demolition, cleanup, remediation, design, redevelopment, and construction activities performed pursuant to the conveyance of property under subsection (a) with the Secretary and the Utah Department of Transportation.

(e) ENVIRONMENTAL OBLIGATIONS.—The State shall not have any obligation in relation to any environmental conditions on the property to be conveyed under subsection (a) unless—
(1) the conditions were in existence and known
before the date of the conveyance of the property;
and
(2) the State agrees to address the conditions
under subsection (b)(1)(B).

(d) PAYMENT OF COSTS OF CONVEYANCE.—
(1) PAYMENT REQUIRED.—The Secretary of
the Air Force shall require the State to cover costs
to be incurred by the Secretary, or to reimburse the
Secretary for such costs incurred, to carry out the
conveyance under subsection (a), including survey
costs, costs for environmental documentation, and
other administrative costs related to the conveyance.
If amounts collected are in advance of the Secretary
incurring actual costs, and the amount collected ex-
ceeds the costs actually incurred by the Secretary to
carry out the conveyance, the Secretary shall refund
the excess amount.

(2) TREATMENT OF AMOUNTS RECEIVED.—
Amounts received under paragraph (1) as reim-
bursement for costs incurred by the Secretary to
carry out the conveyance under subsection (a) shall
be credited to the fund or account that was used to
cover the costs incurred by the Secretary in carrying
out the conveyance, or to an appropriate fund or ac-
count currently available to the Secretary for the
purposes for which the costs were paid. Amounts so
credited shall be merged with amounts in such fund
or account and shall be available for the same pur-
poses, and subject to the same conditions and limita-
tions, as amounts in such fund or account.

(e) DESCRIPTION OF PROPERTY.—The exact acreage
and legal description of the property to be conveyed under
subsection (a) shall be determined by a survey satisfactory
to the Secretary of the Air Force.

(f) ADDITIONAL TERMS AND CONDITIONS.—The Sec-
retary of the Air Force may require such additional terms
and conditions in connection with the conveyance under
subsection (a) as the Secretary considers appropriate to
protect the interests of the United States.

SEC. 2842. RELEASE OF CONDITIONS AND REVERSIONARY
INTEREST, CAMP JOSEPH T. ROBINSON, AR-
KANSAS.

(a) RELEASE OF CONDITIONS AND RETAINED INTER-
ESTS.—With respect to a parcel of real property at Camp
Joseph T. Robinson, Arkansas, consisting of approxi-
mately 141.52 acres and conveyed by the United States
to the State of Arkansas pursuant to the Act entitled “An
Act authorizing the transfer of part of Camp Joseph T.
Robinson to the State of Arkansas”, approved June 30,
1950 (64 Stat. 311, chapter 429), the Secretary of the Army may release, without consideration, the terms and conditions imposed by the United States and the reversionary interest retained by the United States under section 2 of such Act and the right to reenter and use the property retained by the United States under section 3 of such Act.

(b) CONDITION OF RELEASE.—As a condition of the release of terms and conditions and retained interests under subsection (a) and subject to subsection (c), the State of Arkansas shall agree to convey, without consideration, the parcel of real property described in subsection (a) to the Arkansas Department of Veterans Affairs for the purpose of expanding the Arkansas State Veterans Cemetery in North Little Rock, Arkansas.

(e) NEW REVERSIONARY INTEREST.—The conveyance required by subsection (b) of the real property described in subsection (a) shall include a reversionary interest to protect the interests of the United States. Under the terms of such reversionary interest, if the Secretary of the Army determines at any time that the real property conveyed pursuant to subsection (b) is not being used in accordance with the purpose of the conveyance specified in such subsection, all right, title, and interest in and to the real property, including any improvements thereto,
shall, at the option of the Secretary, revert to and become
the property of the United States, and the United States
shall have the right of immediate entry onto the real prop-
erty. A determination by the Secretary under this sub-
section shall be made on the record after an opportunity
for a hearing.

(d) Instrument of Release and Description of
Property.—The Secretary of the Army may execute and
file in the appropriate office a deed of release, amended
deed, or other appropriate instrument reflecting the re-
lease of terms and conditions and retained interests under
subsection (a). The exact acreage and legal description of
the property described in this section shall be determined
by a survey satisfactory to the Secretary of the Army.

(e) Payment of Administrative Costs.—

(1) Payment Required.—The Secretary of
the Army may require the State of Arkansas to
cover costs to be incurred by the Secretary, or to re-
imburse the Secretary for costs incurred by the Sec-
retary, to carry out the release of terms and condi-
tions and retained interests under subsection (a), in-
cluding survey costs, costs related to environmental
documentation, and other administrative costs re-
lated to the release. If amounts paid to the Sec-
retary in advance exceed the costs actually incurred
by the Secretary to carry out the release, the Secretary shall refund the excess amount to the State.

(2) **TREATMENT OF AMOUNTS RECEIVED.**—Amounts received under subsection (a) as reimbursement for costs incurred by the Secretary to carry out the release of terms and conditions and retained interests under subsection (a) shall be credited to the fund or account that was used to cover the costs incurred by the Secretary in carrying out the release. Amounts so credited shall be merged with amounts in such fund or account and shall be available for the same purposes, and subject to the same conditions and limitations, as amounts in such fund or account.

(f) **ADDITIONAL TERMS AND CONDITIONS.**—The Secretary of the Army may require such additional terms and conditions in connection with the release of terms and conditions and retained interests under subsection (a) as the Secretary considers appropriate to protect the interests of the United States.

SEC. 2843. MODIFICATION OF AUTHORIZED USES OF CERTAIN PROPERTY CONVEYED BY THE UNITED STATES IN LOS ANGELES, CALIFORNIA.

(a) **IN GENERAL.**—Section 2 of Public Law 85–236 (71 Stat. 517) is amended in the first sentence by inserting
ing after “for other military purposes” the following: “and
for purposes of meeting the needs of the homeless (as that
term is defined in section 103 of the McKinney-Vento
Homeless Assistance Act (42 U.S.C. 11302))”.

(b) Modification of Use.—

(1) Application.—The State of California
shall submit to the Administrator of General Serv-
ices an application for use of the property conveyed
by section 2 of Public Law 85–236 for purposes of
meeting the needs of the homeless in accordance
with the amendment made by subsection (a).

(2) Review of Application.—Not later than
60 days after the date of receipt of an application
pursuant to paragraph (1), the Administrator and
the Secretary of Health and Human Services shall
jointly determine whether the use of the property de-
scribed in the application is a use for purposes of
meeting the needs of the homeless.

(3) Modification of instrument of conveyance.—If the Administrator and the Secretary
jointly determine that the use of the property de-
scribed in the application is for purposes of meeting
the needs of the homeless, the Administrator shall
execute and record in the appropriate office an in-
strument of modification of the deed of conveyance
executed pursuant to Public Law 85–236 in order to authorize such use of the property. The instrument shall include such additional terms and conditions as the Administrator considers appropriate to protect the interests of the United States.

(4) **COMPATIBILITY WITH MILITARY PURPOSES.**—Before executing any instrument of modification of the deed of conveyance, the Administrator and the Secretary shall request a review by the Chief of the National Guard Bureau, in consultation with the Secretary of the Army, to ensure that any modification of the use of the property described in the application is compatible with the training of members of the National Guard and other military purposes.

**Subtitle E—Military Land Withdrawals**

**SEC. 2851. PUBLIC NOTICE REGARDING UPCOMING PERIODS OF SECRETARY OF THE NAVY MANAGEMENT OF SHARED USE AREA OF THE JOHNSON VALLEY OFF-HIGHWAY VEHICLE RECREATION AREA.**

(a) **PUBLIC NOTICE REQUIRED.**—Section 2942(b)(2) of the Military Land Withdrawals Act of 2013 (title XXIX
of Public Law 113–66; 127 Stat. 1036) is amended by adding at the end the following new subparagraph:

“(D) PUBLIC NOTICE.—Not later than one year before the date on which a 30-day period of Secretary of the Navy management of the Shared Use Area will start, the Secretary of the Navy, acting through the Resource Management Group established pursuant to section 2944, shall notify the public of the start date and the intention of the Armed Forces to use the Shared Use Area for military training purposes. The Secretary of the Navy, upon notice to the Secretary of the Interior, may waive such public notice in the event of an emergent military training requirement.”.

(b) APPLICATION OF AMENDMENT.—Subparagraph (D) of section 2942(b)(2) of the Military Land Withdrawals Act of 2013 (title XXIX of Public Law 113–66; 127 Stat. 1036), as added by subsection (a), shall apply to periods of Secretary of the Navy management of the Shared Use Area of the Johnson Valley Off-Highway Vehicle Recreation Area under such section that start on or after January 1, 2021.
Subtitle F—White Sands National Park and White Sands Missile Range

SEC. 2861. SHORT TITLE.

This subtitle may be cited as the “White Sands National Park Establishment Act”.

SEC. 2862. DEFINITIONS.

In this subtitle:


(2) MILITARY MUNITIONS.—The term “military munitions” has the meaning given the term in section 101(e) of title 10, United States Code.

(3) MISSILE RANGE.—The term “Missile Range” means the White Sands Missile Range, New Mexico, administered by the Secretary of the Army.

(4) MONUMENT.—The term “Monument” means the White Sands National Monument, New Mexico, established by Presidential Proclamation No. 2025 (54 U.S.C. 320301 note), dated January 18, 1933, and administered by the Secretary of the Interior.
(5) Munitions Debris.—The term “munitions debris” has the meaning given the term in volume 8 of the Department of Defense Manual Number 6055.09-M entitled “DoD Ammunition and Explosives Safety Standards” and dated February 29, 2008 (as in effect on the date of enactment of this Act).

(6) National Park.—The term “National Park” means the White Sands National Park established by this subtitle.


SEC. 2863. FINDINGS.

Congress finds the following:

(1) White Sands National Monument was established on January 18, 1933, by President Herbert Hoover pursuant to the Antiquities Act of 1906 (now chapter 3203 of title 54, United States Code).

(2) President Hoover proclaimed that the Monument was established “for the preservation of the white sands and additional features of scenic, scientific, and educational interest”.

(3) The term “munitions debris” has the meaning given the term in volume 8 of the Department of Defense Manual Number 6055.09-M entitled “DoD Ammunition and Explosives Safety Standards” and dated February 29, 2008 (as in effect on the date of enactment of this Act).

(4) The term “National Park” means the White Sands National Park established by this subtitle.

(3) The Monument was expanded by Presidents Roosevelt, Eisenhower, Carter, and Clinton in 1934, 1942, 1953, 1978, and 1996, respectively.

(4) The Monument contains a substantially more diverse set of nationally significant historical, archaeological, scientific, and natural resources than were known of at the time the Monument was established, including a number of recent discoveries.

(5) The Monument is recognized as a major unit of the National Park System with extraordinary values enjoyed by more visitors each year since 1995 than any other unit in the State of New Mexico.

(6) The Monument contributes significantly to the local economy by attracting tourists.

(7) Designation of the Monument as a national park would increase public recognition of the diverse array of nationally significant resources at the Monument and visitation to the unit.

SEC. 2864. ESTABLISHMENT OF WHITE SANDS NATIONAL PARK IN THE STATE OF NEW MEXICO.

(a) Establishment.—To protect, preserve, and restore its scenic, scientific, educational, natural, geological, historical, cultural, archaeological, paleontological, hydrological, fish, wildlife, and recreational values and to enhance visitor experiences, there is established the White
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1 Sands National Park as a unit of the National Park System.
2
3 (b) ABOLISHMENT OF WHITE SANDS NATIONAL MONUMENT.—
4
5 (1) ABOLISHMENT.—Due to the establishment of the National Park, the Monument is abolished.
6
7 (2) INCORPORATION.—The land and interests in land that comprise the Monument are incorporated in, and shall be considered to be part of, the National Park.
8
9 (c) REFERENCES.—Any reference in a law, map, regulation, document, paper, or other record of the United States to White Sands National Monument shall be considered to be a reference to White Sands National Park.
10
11 (d) AVAILABILITY OF FUNDS.—Any funds available for the Monument shall be available for the National Park.
12
13 (e) ADMINISTRATION.—The Secretary of the Interior shall administer the National Park in accordance with—
14
15 (1) this subtitle; and
16
17 (2) the laws generally applicable to units of the National Park System, including section 100101(a), chapter 1003, sections 100751(a), 100752, 100753, and 102101, and chapter 3201 of title 54, United States Code.
18
19 (f) EFFECT.—Nothing in this section affects—
(1) valid existing rights (including water rights);
(2) permits or contracts issued by the Monument;
(3) existing agreements, including agreements with the Department of Defense;
(4) the jurisdiction of the Department of Defense regarding the restricted airspace above the National Park; or
(5) the airshed classification of the National Park under the Clean Air Act (42 U.S.C. 7401 et seq.).

SEC. 2865. TRANSFERS OF ADMINISTRATIVE JURISDICTION RELATED TO THE NATIONAL PARK AND WHITE SANDS MISSILE RANGE.

(a) Transfer of Administrative Jurisdiction to the Secretary of the Interior.—

(1) In general.—Administrative jurisdiction over the land described in paragraph (2) is transferred from the Secretary of the Army to the Secretary of the Interior.

(2) Description of land.—The land referred to in paragraph (1) consists of the following:
(A) The approximately 2,826 acres of land identified as “To NPS, lands inside current boundary” on the Map.

(B) The approximately 5,766 acres of land identified as “To NPS, new additions” on the Map.

(b) TRANSFER OF ADMINISTRATIVE JURISDICTION TO THE SECRETARY OF THE ARMY.—

(1) IN GENERAL.—Administrative jurisdiction over the land described in paragraph (2) is transferred from the Secretary of the Interior to the Secretary of the Army.

(2) DESCRIPTION OF LAND.—The land referred to in paragraph (1) consists of the approximately 3,737 acres of land identified as “To DOA” on the Map.

(c) ADMINISTRATION.—

(1) NATIONAL PARK.—The Secretary of the Interior shall administer the land transferred under subsection (a) in accordance with laws (including regulations) applicable to the National Park.

(2) MISSILE RANGE.—Subject to subsection (d), the Secretary of the Army shall administer the land transferred to the Secretary of the Army under subsection (b) as part of the Missile Range.
(d) INFRASTRUCTURE; RESOURCE MANAGEMENT.—

(1) RANGE ROAD 7.—

(A) INFRASTRUCTURE MANAGEMENT.—To the maximum extent practicable, in planning, constructing, and managing infrastructure on the land described in subparagraph (C), the Secretary of the Army shall apply low-impact development techniques and strategies to prevent impacts within the Missile Range and the National Park from stormwater runoff from the land described in that subparagraph.

(B) RESOURCE MANAGEMENT.—The Secretary of the Army shall—

(i) manage the land described in subparagraph (C) in a manner consistent with the protection of natural and cultural resources within the Missile Range and the National Park and in accordance with section 101(a)(1)(B) of the Sikes Act (16 U.S.C. 670a(a)(1)(B)), division A of subtitle III of title 54, United States Code, and the Native American Graves Protection and Repatriation Act (25 U.S.C. 3001 et seq.); and
(ii) include the land described in sub-
paragraph (C) in the integrated natural
and cultural resource management plan for
the Missile Range.

(C) Description of Land.—The land re-
ferred to in subparagraphs (A) and (B) is the
land that is transferred to the administrative
jurisdiction of the Secretary of the Army under
subsection (b) and located in the area east of
Range Road 7 in—

(i) T. 17 S., R. 5 E., sec. 31;
(ii) T. 18 S., R. 5 E.; and
(iii) T. 19 S., R. 5 E., sec. 5.

(2) Fence.—

(A) In General.—The Secretary of the
Army shall continue to allow the Secretary of
the Interior to maintain the fence shown on the
Map until such time as the Secretary of the In-
terior determines that the fence is unnecessary
for the management of the National Park.

(B) Removal.—If the Secretary of the In-
terior determines that the fence is unnecessary
for the management of the National Park under
subparagraph (A), the Secretary of the Interior
shall promptly remove the fence at the expense
of the Department of the Interior.

(c) RESEARCH.—The Secretary of the Army and the
Secretary of the Interior may enter into an agreement to
allow the Secretary of the Interior to conduct certain re-
search in the area identified as “Cooperative Use Research
Area” on the Map.

(f) MILITARY MUNITIONS AND MUNITIONS DE-
BRIS.—

(1) RESPONSE ACTION.—With respect to any
Federal liability, the Secretary of the Army shall re-
main responsible for any response action addressing
military munitions or munitions debris on the land
transferred under subsection (a) to the same extent
as on the day before the date of enactment of this
Act.

(2) INVESTIGATION OF MILITARY MUNITIONS
AND MUNITIONS DEBRIS.—

(A) IN GENERAL.—The Secretary of the
Interior may request that the Secretary of the
Army conduct one or more investigations of
military munitions or munitions debris on any
land transferred under subsection (a).

(B) ACCESS.—The Secretary of the Inte-
rior shall give access to the Secretary of the
Army to the land covered by a request under subparagraph (A) for the purposes of conducting an investigation under that subparagraph.

(C) LIMITATION.—An investigation conducted under this paragraph shall be subject to available appropriations.

(3) APPLICABLE LAW.—Any activities undertaken under this subsection shall be carried out in accordance with—

(A) the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601 et seq.);

(B) the purposes for which the National Park was established; and

(C) any other applicable law.

SEC. 2866. BOUNDARY MODIFICATIONS RELATED TO THE NATIONAL PARK AND MISSILE RANGE.

(a) NATIONAL PARK.—

(1) IN GENERAL.—The boundary of the National Park is revised to reflect the boundary depicted on the Map.

(2) MAP.—

(A) IN GENERAL.—The Secretary of the Interior, in coordination with the Secretary of
the Army, shall prepare and keep on file for public inspection in the appropriate office of the Secretary of the Interior a map and a legal description of the revised boundary of the National Park.

(B) Effect.—The map and legal description under subparagraph (A) shall have the same force and effect as if included in this Act, except that the Secretary of the Interior may correct clerical and typographical errors in the map and legal description.

(3) Boundary Survey.—As soon as practicable after the date of the establishment of the National Park and subject to the availability of funds, the Secretary of the Interior shall complete an official boundary survey of the National Park.

(b) Missile Range.—

(1) In General.—The boundary of the Missile Range and the Public Land Order are modified to exclude the land transferred to the Secretary of the Interior under subsection (a) of section 2865 and to include the land transferred to the Secretary of the Army under subsection (b) of such section.
(2) **Map.**—The Secretary of the Interior shall prepare a map and legal description depicting the revised boundary of the Missile Range.

(c) **Conforming Amendment.**—Section 2854 of the National Defense Authorization Act for Fiscal Year 1997 (Public Law 104–201; 54 U.S.C. 320301 note), relating to the modification of boundaries of the Monument and the Missile Range, is repealed.

**Subtitle G—Other Matters**

**Sec. 2871. Installation and Maintenance of Fire Extinguishers in Department of Defense Facilities.**

The Secretary of Defense shall ensure that portable fire extinguishers are installed and maintained in all Department of Defense facilities in accordance with requirements of national model fire codes developed by the National Fire Protection Association and the International Code Council that require redundancy and extinguishers throughout occupancies regardless of the presence of other suppression systems or alarm systems.
SEC. 2872. DEFINITION OF COMMUNITY INFRASTRUCTURE FOR PURPOSES OF MILITARY BASE REUSE STUDIES AND COMMUNITY PLANNING ASSISTANCE.

Paragraph (4) of section 2391(e) of title 10, United States Code, is amended to read as follows:

“(4)(A) The term ‘community infrastructure’ means a project or facility described in subparagraph (B) that—

“(i) is located off of a military installation; and

“(ii) is—

“(I) owned by a State or local government; or

“(II) a not-for-profit, member owned utility service.

“(B) A project or facility described in this subparagraph is any of the following:

“(i) Any transportation project.

“(ii) A school, hospital, police, fire, emergency response, or other community support facility.

“(iii) A water, waste-water, telecommunications, electric, gas, or other utility infrastructure project.”.
SEC. 2873. REPORT ON VULNERABILITIES FROM SEA LEVEL RISE TO CERTAIN MILITARY INSTALLATIONS LOCATED OUTSIDE THE CONTINENTAL UNITED STATES.

(a) Report Required.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on vulnerabilities from sea level rise to covered installations located outside of the continental United States.

(b) Contents.—For each covered installation, the report required by subsection (a) shall include the following:

(1) An analysis of the impacts to the operations, contingency plans, and readiness of such installation from a sea level rise.

(2) A discussion of mitigation efforts, including dredging, reclaiming land, and island building, that may be necessary due to a sea level rise—

(A) to ensure the continued operational viability of such installation; and

(B) to increase the resiliency of such installation.

(3) The estimated costs of the efforts discussed under paragraph (2).
(4) An identification of alternative locations for
the continuance of operations of such installation if
such installation is rendered inoperable.

(c) FORM.—The report required under subsection (a)
shall be submitted in unclassified form, but may contain
a classified annex.

(d) COVERED INSTALLATION DEFINED.—In this sec-
tion, the term “covered installation” means the following
military installations:

(1) Naval Support Facility Diego Garcia.

(2) Ronald Reagan Ballistic Missile Defense
Test Site.

SEC. 2874. BLACK START EXERCISES AT JOINT BASES.

(a) REQUIREMENT.—Not later than September 30,
2020, the Secretary of Defense shall conduct a black start
exercise at three Joint Bases at which such exercise has
not previously been conducted, for the purpose of identi-
fying any shortcomings in infrastructure, joint operations,
joint coordination, and security that would result from a
loss of power at the site.

(b) REPORT.—Not later than June 1, 2020, the Sec-
retary of Defense shall submit to the congressional defense
committees a report that contains a discussion of lessons
learned from black start exercises conducted by the Sec-
retary of Defense during the period beginning with the
first such exercise and ending on December 31, 2019, in-
cluding the three most recurring issues identified as a re-
sult of such exercises with respect to infrastructure, joint
coordination efforts, and security.

(c) BLACK START EXERCISE DEFINED.—In this sec-
tion, the term “black start exercise” means, with respect
to a military installation, an exercise in which commercial
utility power at the installation is dropped before backup
generation assets start, for the purpose of—

(1) testing the ability of the backup systems to
start, transfer the load, and carry the load until
commercial power is restored;

(2) aligning stakeholders on critical energy re-
quirements to meet mission requirements;

(3) validating mission operation plans, such as
continuity of operations plans;

(4) identifying infrastructure interdependencies;

and

(5) verifying backup electric power system per-
formance.
TITLE XXIX—OVERSEAS CONTINGENCY OPERATIONS MILITARY CONSTRUCTION

SEC. 2901. AUTHORIZED ARMY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) AUTHORIZATION.—Subject to subsection (b), the Secretary of the Army may acquire real property and carry out the military construction projects for the installations outside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cuba</td>
<td>Guantanamo Bay Naval Station</td>
<td>$33,800,000</td>
</tr>
<tr>
<td>Unspecified Europe</td>
<td>European Deterrence Initiative: Various Locations.</td>
<td>$98,342,000</td>
</tr>
</tbody>
</table>

(b) REPORT REQUIRED AS CONDITION OF AUTHORIZATION.—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Army shall submit to the congressional defense committees a report containing a plan to carry out each military construction project authorized in the final item in the table in subsection (a) for an unspecified location for the European Deterrence Initiative. The plan shall include a Department of Defense Form 1391 for each proposed project. The Secretary may not commence a project until the report has been submitted.
SEC. 2902. AUTHORIZED NAVY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) Authorization.—Subject to subsection (b), the Secretary of the Navy may acquire real property and carry out the military construction projects for the installations outside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bahrain</td>
<td>SW Asia</td>
<td>$53,360,000</td>
</tr>
<tr>
<td>Italy</td>
<td>Sigonella</td>
<td>$77,400,000</td>
</tr>
<tr>
<td>Spain</td>
<td>Rota</td>
<td>$69,870,000</td>
</tr>
<tr>
<td>Unspecified Europe</td>
<td>European Deterrence Initiative: Various Locations</td>
<td>$56,246,000</td>
</tr>
</tbody>
</table>

(b) Report Required as Condition of Authorization.—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Navy shall submit to the congressional defense committees a report containing a plan to carry out each military construction project authorized in the final item in the table in subsection (a) for an unspecified location for the European Deterrence Initiative. The plan shall include a Department of Defense Form 1391 for each proposed project. The Secretary may not commence a project until the report has been submitted.

SEC. 2903. AUTHORIZED AIR FORCE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) Authorization.—Subject to subsection (b), the Secretary of the Air Force may acquire real property and
carry out the military construction projects for the installations outside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iceland</td>
<td>Keflavik</td>
<td>$57,000,000</td>
</tr>
<tr>
<td>Jordan</td>
<td>Azraq</td>
<td>$66,000,000</td>
</tr>
<tr>
<td>Spain</td>
<td>Moron</td>
<td>$8,500,000</td>
</tr>
<tr>
<td>Unspecified Europe</td>
<td>European Deterrence Initiative: Various</td>
<td>$231,246,000</td>
</tr>
</tbody>
</table>

(b) Report Required as Condition of Authorization.—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the congressional defense committees a report containing a plan to carry out each military construction project authorized in the final item in the table in subsection (a) for an unspecified location for the European Deterrence Initiative. The plan shall include a Department of Defense Form 1391 for each proposed project. The Secretary may not commence a project until the report has been submitted.

SEC. 2904. AUTHORIZED DEFENSE AGENCIES CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of Defense may acquire real property and carry out the military construction project for the installation outside the United States, and in the amount, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>Germersheim</td>
<td>$46,000,000</td>
</tr>
</tbody>
</table>
SEC. 2905. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2019, for the military construction projects outside the United States authorized by this title as specified in the funding table in section 4602.

TITLE XXX—AUTHORIZATION OF EMERGENCY MILITARY CONSTRUCTION

SEC. 3001. AUTHORIZATION OF EMERGENCY NAVY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Pursuant to section 2802 of title 10, United States Code, the following real property acquisition and military construction projects, including planning and design related to military construction projects, in the following amounts, are authorized:

| Navy Authorization                                                                 |
|---------------------------------|-----------------|-------------------|----------------|
| State or Location               | Installation or Location | Project           | Amount          |
| North Carolina                  | Camp Lejeune     | Various construction | $967,210,000    |
|                                 | Marine Corps Air Station Cherry Point | Various Construction | $175,456,000    |
| Unspecified Worldwide           | Unspecified Worldwide Locations | Planning and Design | $68,282,000     |
SEC. 3002. AUTHORIZATION OF EMERGENCY AIR FORCE
CONSTRUCTION AND LAND ACQUISITION
PROJECTS.

(a) Air Force Authorization.—Subject to sub-
section (b), pursuant to section 2802 of title 10, United
States Code, the following real property acquisition and
military construction projects, in the following amounts,
are authorized:

Air Force Authorization

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida ......</td>
<td>Tyndall Air Force Base .....</td>
<td>Various Construction</td>
<td>$735,752,000</td>
</tr>
<tr>
<td>Nebraska .....</td>
<td>Offutt Air Force Base ........</td>
<td>Various Construction</td>
<td>$300,000,000</td>
</tr>
</tbody>
</table>

(b) Report Required as Condition of Author-
ization.—Not later than 90 days after the date of the
enactment of this Act, the Secretary of the Air Force shall
submit to the Committees on Armed Services of the House
of Representatives and the Senate a report containing a
plan to carry out the military construction projects author-
ized by this section. The plan shall include an explanation
of how each military construction project will incorporate
mitigation measures that reduce the threat from extreme
weather events, mean sea level fluctuation, flooding, and
any other known environmental threat to resilience, in-
cluding a list of any areas in which there is a variance
from the local building requirements and an explanation
of the reason for the variance. The plan shall also include
a Department of Defense Form 1391 for each proposed
project. The Secretary may not commence a project until
the report required from the Secretary has been sub-
mitted.

SEC. 3003. AUTHORIZATION OF EMERGENCY ARMY NA-
TIONAL GUARD AND ARMY RESERVE CON-
STRUCTION AND LAND ACQUISITION

PROJECTS.

(a) Army National Guard Authorization.—Pur-
suant to section 2802 of title 10, United States Code, the
following real property acquisition and military construc-
tion projects, in the following amounts, are authorized:

**Army National Guard Authorization**

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida ...........</td>
<td>Panama City ............</td>
<td>National Guard Readiness Center</td>
<td>$25,000,000</td>
</tr>
<tr>
<td>North Carolina ....</td>
<td>Military Training Area Fort Fisher ...........</td>
<td>General Purpose Administrative Building .....................................</td>
<td>$25,000,000</td>
</tr>
</tbody>
</table>

(b) Army Reserve Authorization.—Pursuant to
section 2805 of title 10, United States Code, unspecified
minor construction, in the amount set forth in the fol-
lowing table, is authorized:
DIVISION C—DEPARTMENT OF ENERG Y NATIONAL SECURITY AUTHORIZATIONS AND OTHER AUTHORIZATIONS

TITLE XXXI—DEPARTMENT OF ENERG Y NATIONAL SECURITY PROGRAMS

Subtitle A—National Security Programs and Authorizations

SEC. 3101. NATIONAL NUCLEAR SECURITY ADMINISTRATION.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2020 for the activities of the National Nuclear Security Administration in carrying out programs as specified in the funding table in section 4701.

(b) Authorization of New Plant Projects.—From funds referred to in subsection (a) that are available for carrying out plant projects, the Secretary of Energy

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unspecified Worldwide</td>
<td>Unspecified</td>
<td>Unspecified Minor Construction</td>
<td>$3,300,000</td>
</tr>
</tbody>
</table>
may carry out new plant projects for the National Nuclear Security Administration as follows:

Project 15–D–301, High Explosive Science and Engineering Facility, Pantex Plant, Amarillo, Texas, $123,000,000.

Project 15–D–611, Emergency Operations Center, Sandia National Laboratories, Albuquerque, New Mexico, $4,000,000.

Project 15–D–612, Emergency Operations Center, Lawrence Livermore National Laboratory, Livermore, California, $5,000,000.

Project 18–D–150, Surplus Plutonium Disposition, Savannah River Site, Aiken, South Carolina, $79,000,000.

Project 18–D–650, Tritium Finishing Facility, Savannah River Site, Aiken, South Carolina, $27,000,000.

Project 19–D–670, 138k Power Transmission System Replacement, Nevada National Security Site, Mercury, Nevada, $6,000,000.

Project 20–D–931, KL Fuel Development Laboratory, Knolls Atomic Power Laboratory, Schenectady, New York, $23,700,000.
SEC. 3102. DEFENSE ENVIRONMENTAL CLEANUP.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2020 for defense environmental cleanup activities in carrying out programs as specified in the funding table in section 4701.

SEC. 3103. OTHER DEFENSE ACTIVITIES.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2020 for other defense activities in carrying out programs as specified in the funding table in section 4701.

SEC. 3104. NUCLEAR ENERGY.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2020 for nuclear energy as specified in the funding table in section 4701.

Subtitle B—Program Authorizations, Restrictions, Limitations, and Other Matters

SEC. 3111. PERSONNEL LEVELS OF THE OFFICE OF THE ADMINISTRATOR FOR NUCLEAR SECURITY.

(a) PERSONNEL LEVELS.—

(1) INCREASE.—Subsection (a) of section 3241A of the National Nuclear Security Administration Act (50 U.S.C. 2441a) is amended by striking “1,690” both places it appears and inserting “1,890”.

June 18, 2019 (1:16 p.m.)
(2) TECHNICAL AMENDMENTS.—Such subsection is further amended—

(A) in paragraph (1), by striking “By October 1, 2015, the” and inserting “The”; and

(B) in paragraph (2), by striking “2016” and inserting “2020”.

(b) REPORTS ON SERVICE SUPPORT CONTRACTS.—

Subsection (f) of such section is amended—

(1) in the matter preceding paragraph (1), by striking “as of the date of the report” and inserting “for the most recent fiscal year for which data is available”; and

(2) by striking paragraph (5) and inserting the following new paragraphs:

“(5) With respect to each contract identified under paragraph (2)—

“(A) identification of each appropriations account that supports the contract; and

“(B) the amount obligated under the contract during the fiscal year, listed by each such account.

“(6) With respect to each appropriations account identified under paragraph (5)(A), the total amount obligated for contracts identified under paragraph (2).”.
SEC. 3112. OFFICE OF COST ESTIMATING AND PROGRAM EVALUATION.

(a) Sense of Congress.—It is the sense of Congress that Congress is concerned that the staffing levels of the Office of Cost Estimating and Program Evaluation of the National Nuclear Security Administration have been persistently below the authorized level.

(b) Reporting.—Section 3221(b)(1) of the National Nuclear Security Administration Act (50 U.S.C. 2411(b)(1)) is amended by adding at the end the following new sentence: “The Director shall report directly to the Administrator.”

(c) Briefing.—Not later than 180 days after the date of the enactment of this Act, the Administrator for Nuclear Security shall provide to the congressional defense committees a briefing on the plan of the Administrator to fully staff the Office of Cost Estimating and Program Evaluation of the National Nuclear Security Administration pursuant to section 3221(f) of the National Nuclear Security Administration Act (50 U.S.C. 2411(f)).

SEC. 3113. CLARIFICATION OF CERTAIN STOCKPILE RESPONSIVENESS PROGRAM OBJECTIVES.

Section 4220(c) of the Atomic Energy Defense Act (50 U.S.C. 2538b(e)) is amended—

(1) in paragraph (3), by striking “capabilities required, including prototypes” and inserting “capa-
bilities as required, such as through the use of pro-
totypes”; and

(2) in paragraph (6)—

(A) by striking “in consultation with the
Director of National Intelligence” and inserting
“in coordination with the Director of National
Intelligence”; and

(B) by inserting “if needed to meet intel-
ligence requirements” after “foreign countries”.

SEC. 3114. MODIFICATION TO PLUTONIUM PIT PRODUC-
TION CAPACITY.

(a) FINDING AND SENSE OF CONGRESS.—

(1) FINDING.—Congress finds that a recent
study by the Institute of Defense Analyses notes, “a
key milestone will be achieving the Plutonium
Sustainment Program goal of 30 pits per year at
Los Alamos National Laboratory”.

(2) SENSE OF CONGRESS.—It is the sense of
Congress that the National Nuclear Security Admin-
istration should prioritize achieving production of 30
pits per year at Los Alamos National Laboratory
and ensure that efforts to design and construct a
second site do not divert resources, including per-
sonnel and funding, from Los Alamos National Lab-
oratory.
(b) 2027 REQUIREMENT.—Section 4219 of the Atomic Energy Defense Act (50 U.S.C. 2538a) is amended—

(1) in subsection (a)—

(A) in paragraph (3), by inserting “and” after the semicolon;

(B) in paragraph (4), by striking “; and” and inserting a period; and

(C) by striking paragraph (5);

(2) by striking subsection (b); and

(3) by redesignating subsections (c) and (d) as subsections (b) and (c), respectively.

(e) CONFORMING AMENDMENT.—Subsection (b) of such section, as redesignated by subsection (b), is amended by striking “(or, if the authority under subsection (b) is exercised, 2029)”.

SEC. 3115. ANNUAL CERTIFICATION OF SHIPMENTS TO WASTE ISOLATION PILOT PLANT.

Section 3115(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2759), as amended by section 3137 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2303), is further amended, in the matter preceding paragraph (1), by
striking “three-year period” and inserting “10-year period”.

SEC. 3116. REPEAL OF LIMITATION ON AVAILABILITY OF FUNDS FOR ACCELERATION OF NUCLEAR WEAPONS DISMANTLEMENT.

Section 3125 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2766) is repealed.

SEC. 3117. ELIMINATION OF LIMITATION ON AVAILABILITY OF FUNDS RELATING TO SUBMISSION OF ANNUAL REPORTS ON UNFUNDED PRIORITIES.

Section 4716 of the Atomic Energy Defense Act (50 U.S.C. 2756) is amended—

(1) by striking subsection (c); and

(2) by redesignating subsection (d) as subsection (e).

SEC. 3118. PROGRAM FOR RESEARCH AND DEVELOPMENT OF ADVANCED NAVAL NUCLEAR FUEL SYSTEM BASED ON LOW-ENRICHED URANIUM.

(a) Establishment.—Not later than 60 days after the date of the enactment of this Act, the Administrator for Nuclear Security shall establish a program to assess the viability of using low-enriched uranium in naval nuclear propulsion reactors, including such reactors located
on aircraft carriers and submarines, that meet the require-
ments of the Navy.

(b) Activities.—In carrying out the program under
subsection (a), the Administrator shall carry out activities
to develop an advanced naval nuclear fuel system based
on low-enriched uranium, including activities relating to—

(1) down-blending of high-enriched uranium
into low-enriched uranium;

(2) manufacturing of candidate advanced low-
enriched uranium fuels;

(3) irradiation tests and post-irradiation exam-
ination of these fuels; and

(4) modification or procurement of equipment
and infrastructure relating to such activities.

(c) Report.—Not later than 120 days after the date
of the enactment of this Act, the Administrator shall sub-
mit to the congressional defense committees a plan out-
lining the activities the Administrator will carry out under
the program established under subsection (a), including
the funding requirements associated with developing a
low-enriched uranium fuel.

SEC. 3119. REPLACEMENT OF W78 WARHEAD.

(a) Analysis of Alternatives.—

(1) In general.—The Administrator for Nu-
clear Security shall conduct an analysis of alter-
natives with respect to replacing the W78 warhead. Such analysis shall describe the technical risks and costs for each option to replace the W78 warhead.

(2) REVIEW.—The Director for Cost Estimating and Program Evaluation of the National Nuclear Security Administration shall review the analysis of alternatives under paragraph (1).

(3) REPORT.—Not later than 150 days after the date of the enactment of this Act, the Administrator shall submit to the congressional defense committees a report on the replacement of the W78 warhead. Such report shall include the analysis of alternatives under paragraph (1) and the review under paragraph (2).

(b) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the National Nuclear Security Administration for the modernization of the W78 warhead, not more than 75 percent may be obligated or expended until the date on which the report is submitted under subsection (a)(3).

(c) INDEPENDENT STUDY.—

(1) IN GENERAL.—The Administrator shall seek to enter into an arrangement with the private scientific advisory group known as JASON to con-
duct a study of the plan of the Administrator to replace the W78 warhead. Such study shall include—

(A) an assessment of the risks to certification; and

(B) the need for planned upgrades to such warhead.

(2) SUBMISSION.—Not later than 150 days after the date of the enactment of this Act, the Administrator shall submit to the congressional defense committees the study under paragraph (1), without change.

SEC. 3120. NATIONAL LABORATORY JOBS ACCESS PROGRAM.

(a) IN GENERAL.—Not later than 180 days after the date of enactment of this Act, the Secretary may establish a program known as the “Department of Energy National Lab Jobs ACCESS Program”, under which the Secretary may award, on a competitive basis, 5-year grants to eligible entities described in subsection (c) for the Federal share of the costs of technical, skills-based preapprenticeship and apprenticeship programs that provide employer-driven or recognized postsecondary credentials during the grant period.
(b) REQUIREMENTS.—A program funded by a grant awarded under this section shall develop and deliver customized and competency-based training that—

(1) leads to recognized postsecondary credentials for secondary school and postsecondary students;

(2) is focused on skills and qualifications needed, as determined by the Department of Energy in consultation with the national laboratories, to meet the immediate and on-going needs of traditional and emerging technician positions (including machinists and cyber security technicians) at the National Laboratories and covered facilities of the National Nuclear Security Administration;

(3) creates an apprenticeship or preapprenticeship program in consultation with a National Laboratory or covered facility of the National Nuclear Security Administration; and

(4) creates an apprenticeship or preapprenticeship program registered with and approved by the Secretary of Labor or a State Apprenticeship Agency.

(e) ELIGIBLE ENTITIES.—An entity that is eligible to receive a grant under this section shall be a workforce
intermediary or an eligible sponsor of a preapprenticeship
or an apprenticeship program that—

(1) demonstrates experience in implementing
and providing career planning and career pathways
towards apprenticeship or preapprenticeship pro-
grams;

(2)(A) has a relationship with a National Lab-
boratory or covered facility of the National Nuclear
Security Administration;

(B) has knowledge of technician workforce
needs of such laboratory or facility and the associ-
ated security requirements of such laboratory or fa-
cility; and

(C) is eligible to enter into an agreement with
such laboratory or facility that would be paid for in
part or entirely from grant funds received under this
section;

(3) demonstrates the ability to recruit and sup-
port individuals who plan to work in relevant techni-
cian positions upon the successful completion of such
programs;

(4) provides students who complete such pro-
grams with a recognized postsecondary credential,
such as a journeyman craft license or an industry-
recognized certification;
(5) uses a customized training curriculum that is specifically aligned with employers, utilizing workplace learning advisors and on-the-job training to the greatest extent possible; and

(6) demonstrates successful outcomes connecting graduates of such programs to careers relevant to such programs.

(d) APPLICATIONS.—An eligible entity seeking a grant under this section shall submit to the Secretary an application at such time, in such manner, and containing such information as the Secretary may require.

(e) PRIORITY.—In selecting eligible entities to receive grants under this section, the Secretary shall prioritize an eligible entity that—

(1) is a member of an industry or sector partnership;

(2) provides the training described in subsection (b)—

(A) at an institution of higher education (such as a community college) that includes basic science, technology, and mathematics education in the curriculum;

(B) through an apprenticeship program that was registered with the Department of Labor or a State Apprenticeship Agency before
the date on which the eligible entity applies for
the grant under subsection (d); or

(C) with respect to a preapprenticeship
program, at a local educational agency, a sec-
secondary school, a provider of adult education, an
area career and technical education school, or
an appropriate community facility;

(3) works with the Secretary of Defense, Sec-
etary of Veteran Affairs, or veterans organizations
to transition members of the Armed Forces and vet-
erans to apprenticeship or preapprenticeship pro-
grams in a relevant sector;

(4) plans to use the grant to carry out the
training described in subsection (b) with an entity
that receives State funding or is operated by a State
agency; and

(5) plans to use the grant to carry out the
training described in subsection (b) for—

(A) young adults ages 16 to 29, inclusive;
or

(B) individuals with barriers to employ-
ment.

(f) ADDITIONAL CONSIDERATION.—In making grants
under this section, the Secretary shall consider regional
diversity.
(g) Limitation on Applications.—An eligible entity may not submit, either individually or as part of a joint application, more than 1 application for a grant under this section during any 1 fiscal year.

(h) Limitations on Amount of Grant.—The amount of a grant provided under this section for any 24-month period of the 5-year grant period shall not exceed $500,000.

(i) Non-Federal Share.—The non-Federal share of the cost of a customized training program carried out using a grant under this section shall be not less than 25 percent of the total cost of the program.

(j) Technical Assistance.—The Secretary may provide technical assistance to eligible entities described in subsection (c) to leverage the existing job training and education programs of the Department of Labor and other relevant programs at appropriate Federal agencies.

(k) Report.—

(1) In General.—Not less than once every 2 years, the Secretary of Labor shall submit to Congress, and make publicly available on the website of the Department of Labor, a report on the program established under this section, including—

(A) a description of—
(i) any entity that receives a grant under this section;

(ii) any activity carried out using the grants under this section; and

(iii) best practices used to leverage the investment of the Federal Government under this section; and

(B) an assessment of the results achieved by the program established under this section, including the rate of employment for participants after completing a job training and education program carried out using a grant under this section.

(2) Provision of Information.—The Secretary of Energy shall provide such information as necessary to the Secretary of Labor for purposes of the report under paragraph (1).

(3) Performance Reports.—Not later than one year after the start of a new apprenticeship or preapprenticeship program established under this section, and annually thereafter, the entity carrying out the programs shall submit to the Secretary of Labor a report on the effectiveness of the program based on the accountability measures described in clauses (i) and (ii) of section 116(b)(2)(A) of the
(l) DEFINITIONS.—In this section:

(1) ESEA TERMS.—The terms “local educational agency” and “secondary school” have the meanings given the terms in section 8101 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 7801).

(2) WIOA TERMS.—The terms “career planning”, “community-based organization”, “customized training”, “economic development agency”, “individual with a barrier to employment”, “industry or sector partnership”, “on-the-job training”, “recognized postsecondary credential”, and “workplace learning advisor” have the meanings given such terms in section 3 of the Workforce Innovation and Opportunity Act (29 U.S.C. 3102).

(3) APPRENTICESHIP.—The term “apprenticeship” means an apprenticeship registered under the Act of August 16, 1937 (commonly known as the “National Apprenticeship Act”; 50 Stat. 664, chapter 663; 29 U.S.C. 50 et seq.).

(4) AREA CAREER AND TECHNICAL EDUCATION SCHOOL.—The term “area career and technical education school” has the meaning given the term in Workforce Innovation and Opportunity Act (29 U.S.C. 3141(b)(2)(A)).

(5) COMMUNITY COLLEGE.—The term “community college” has the meaning given the term “junior or community college” in section 312(f) of the Higher Education Act of 1965 (20 U.S.C. 1058(f)).

(6) COVERED FACILITY OF THE NATIONAL NUCLEAR SECURITY ADMINISTRATION.—The term “covered facility of the National Nuclear Security Administration” means a national security laboratory or a nuclear weapons production facility as such terms are defined in section 4002 of the Atomic Energy Defense Act (50 U.S.C. 2501).

(7) ELIGIBLE SPONSOR.—The term “eligible sponsor” means a public organization or an organization described in section 501(e) of the Internal Revenue Code of 1986 and exempt from tax under section 501(a) of that Code, that—

(A) with respect to an apprenticeship program, administers such program through a partnership that may include—

(i) an industry or sector partnership;

(ii) an employer or industry association;

(iii) a labor-management organization;
(iv) a local workforce development board or State workforce development board;

(v) a 2- or 4-year institution of higher education that offers an educational program leading to an associate’s or bachelor’s degree in conjunction with a certificate of completion of apprenticeship;

(vi) the Armed Forces (including the National Guard and Reserves);

(vii) a community-based organization;

or

(viii) an economic development agency; and

(B) with respect to a preapprenticeship program, is a local educational agency, a secondary school, an area career and technical education school, a provider of adult education, a State workforce development board, a local workforce development board, or a community-based organization, that administers such program with any required coordination and necessary approvals from the Secretary of Labor or a State department of labor.
(8) INSTITUTION OF HIGHER EDUCATION.—The term “institution of higher education” has the meaning given the term in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001).

(9) LOCAL WORKFORCE DEVELOPMENT BOARD.—The term “local workforce development board” has the meaning given the term “local board” in section 3 of the Workforce Innovation and Opportunity Act (29 U.S.C. 3102).

(10) NATIONAL LABORATORY.—The term “National Laboratory” has the meaning given the term in section 2 of the Energy Policy Act of 2005 (42 U.S.C. 15801).

(11) PROVIDER OF ADULT EDUCATION.—The term “provider of adult education” has the meaning given that term in section 203 of the Adult Education and Literacy Act (29 U.S.C. 3272).

(12) RELATED INSTRUCTION.—The term “related instruction” means an organized and systematic form of instruction designed to provide an apprentice with the knowledge of the technical subjects related to the occupation of the apprentice.

(13) SECRETARY.—The term “Secretary” means the Secretary of Energy, in consultation with
the Secretary of Labor, except as otherwise specified in this Act.

(14) **STATE WORKFORCE DEVELOPMENT BOARD.**—The term “State workforce development board” has the meaning given the term “State board” in section 3 of the Workforce Innovation and Opportunity Act (29 U.S.C. 3102).

(15) **WORKFORCE INTERMEDIARY.**—The term “workforce intermediary”—

(A) means an organization that proactively addresses workforce needs using a dual customer approach, which considers the needs of both employees and employers; and

(B) may include a community organization, an employer organization, a community college, a temporary staffing agency, a State workforce development board, a local workforce development board, or a labor organization.

**TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD**

**SEC. 3201. AUTHORIZATION.**

There are authorized to be appropriated for fiscal year 2020, $29,450,000 for the operation of the Defense

SEC. 3202. IMPROVEMENTS TO DEFENSE NUCLEAR FACILITIES SAFETY BOARD.

(a) Staff.—

(1) Sense of Congress.—It is the sense of Congress that the Defense Nuclear Facilities Safety Board is not adequately staffed, particularly given the ongoing increase in defense nuclear activities during the decade following the date of the enactment of this Act.

(2) Executive Director of Operations.—

(A) Establishment of position.—Subsection (b) of section 313 of the Atomic Energy Act of 1954 (42 U.S.C. 2286b) is amended by adding at the end the following new paragraph:

“(3)(A) The Board shall have an Executive Director of Operations who shall be appointed under section 311(c)(7).

“(B) The Executive Director of Operations shall report to the Chairman.

“(C) The Executive Director of Operations shall be the senior employee of the Board responsible for—

“(i) general administration and technical matters;
“(ii) ensuring that the members of the Board are fully and currently informed with respect to matters for which the members are responsible; and

“(iii) the functions delegated by the Chairman pursuant to section 311(c)(3)(B).”.

(B) DELEGATION OF FUNCTIONS.—Paragraph (3) of section 311(e) of such Act (42 U.S.C. 2286(e)) is amended—

(i) by striking “The Chairman” and inserting “(A) The Chairman”; and

(ii) by adding at the end the following new subparagraph:

“(B) In carrying out subparagraph (A), the Chairman shall delegate to the Executive Director of Operations established under section 313(b)(3) the following functions:

“(i) Administrative functions of the Board.

“(ii) Appointment and supervision of employees of the Board not specified under paragraph (7).

“(iii) Distribution of business among the employees and administrative units and offices of the Board.

“(iv) Preparation of—

“(I) proposals for the reorganization of the administrative units or offices of the Board;
“(II) the budget estimate for the Board;

and

“(III) the proposed distribution of funds

according to purposes approved by the Board.”.

(3) APPOINTMENT AND REMOVAL POWERS.—

Paragraph (7) of such section 311(e) is amended to

read as follows:

“(7)(A) The Chairman, subject to the approval of the

Board, shall appoint the senior employees described in

subparagraph (C). Any member of the Board may propose

to the Chairman an individual to be so appointed.

“(B) The Chairman, subject to the approval of the

Board, may remove a senior employee described in sub-

paragraph (C). Any member of the Board may propose

to the Chairman an individual to be so removed.

“(C) The senior employees described in this subpara-

graph are the following senior employees of the Board:

“(i) The Executive Director of Operations es-

established under section 313(b)(3).

“(ii) The general counsel.”.

(4) FULL-TIME EQUIVALENT PERSONNEL LEV-

ELS.—Section 313(b)(1)(A) of such Act (42 U.S.C.

2286b(b)(1)(A)) is amended by striking “but not”

and all that follows through the semicolon and in-

serting “but not fewer than the equivalent of 110
full-time employees and not more than the equivalent of 130 full-time employees;”.

(b) Public Health and Safety.—Section 312(a) of such Act (42 U.S.C. 2286a(a)) is amended by inserting before the period at the end the following: “, including with respect to the health and safety of employees and contractors at such facilities”.

(c) Access to Facilities, Personnel, and Information.—Section 314 of such Act (42 U.S.C. 2286c) is amended—

(1) in subsection (a)—

(A) by striking “The Secretary of Energy” and inserting “Except as specifically provided by this section, the Secretary of Energy”;

(B) by striking “ready access” both places it appears and inserting “prompt and unfettered access”; and

(C) by adding at the end the following new sentence: “The access provided to facilities, personnel, and information under this subsection shall be provided without regard to the hazard or risk category assigned to a facility by the Secretary.”; and

(2) by striking subsection (b) and inserting the following new subsections:
“(b) Authority of Secretary Deny Information.—The Secretary may only deny access to information pursuant to subsection (a)—

“(1) to any person who—

“(A) has not been granted an appropriate security clearance or access authorization by the Secretary; or

“(B) does not need such access in connection with the duties of such person; or

“(2) if such denial is authorized by a provision of Federal law that specifically limits the right of the Board to access such information.

“(c) Application of Nondisclosure Protections by Board.—The Board may not publicly disclose information provided under this section if such information is otherwise protected from disclosure by law, including deliberative process information.”.

**TITLE XXXIV—NAVAL PETROLEUM RESERVES**

**SEC. 3401. AUTHORIZATION OF APPROPRIATIONS.**

(a) Amount.—There are hereby authorized to be appropriated to the Secretary of Energy $14,000,000 for fiscal year 2020 for the purpose of carrying out activities under chapter 869 of title 10, United States Code, relating to the naval petroleum reserves.
(b) Period of Availability.—Funds appropriated pursuant to the authorization of appropriations in subsection (a) shall remain available until expended.

**TITLE XXXV—MARITIME MATTERS**

**Subtitle A—Maritime Administration**

**SEC. 3501. AUTHORIZATION OF THE MARITIME ADMINISTRATION.**

There are authorized to be appropriated to the Department of Transportation for fiscal year 2020, to be available without fiscal year limitation if so provided in appropriations Acts, for programs associated with maintaining the United States merchant marine, the following amounts:

(1) For expenses necessary for operations of the United States Merchant Marine Academy, $81,944,000, of which—

(A) $77,944,000 shall be for Academy operations; and

(B) $4,000,000 shall remain available until expended for capital asset management at the Academy.

(2) For expenses necessary to support the State maritime academies, $38,480,000, of which—
(A) $2,400,000 shall remain available until September 30, 2020, for the Student Incentive Program;

(B) $30,080,000 shall remain available until expended for maintenance and repair of State maritime academy training vessels; and

(C) $6,000,000 shall remain available until expended for direct payments to such academies.

(3) For expenses necessary to support the National Security Multi-Mission Vessel Program, $300,000,000, which shall remain available until expended.

(4) For expenses necessary to support Maritime Administration operations and programs, $53,273,000.

(5) For expenses necessary to dispose of vessels in the National Defense Reserve Fleet, $5,000,000, which shall remain available until expended.

(6) For expenses necessary to maintain and preserve a United States flag merchant marine to serve the national security needs of the United States under chapter 531 of title 46, United States Code, $300,000,000.
(7) For expenses necessary for the loan guarantee program authorized under chapter 537 of title 46, United States Code, $33,000,000, of which—

(A) $30,000,000 may be used for the cost (as defined in section 502(5) of the Federal Credit Reform Act of 1990 (2 U.S.C. 661a(5))) of loan guarantees under the program; and

(B) $3,000,000 may be used for administrative expenses relating to loan guarantee commitments under the program.

(8) For expenses necessary to provide small shipyards and maritime communities grants under section 54101 of title 46, United States Code, $35,000,000.

SEC. 3502. REAUTHORIZATION OF MARITIME SECURITY PROGRAM.

(a) Award of Operating Agreements.—Section 53103 of title 46, United States Code, is amended by striking “2025” each place it appears and inserting “2035”.

(b) Effectiveness of Operating Agreements.—Section 53104(a) of title 46, United States Code, is amended by striking “2025” and inserting “2035”.
(c) PAYMENTS.—Section 53106(a)(1) of title 46, United States Code, is amended—

(1) in subparagraph (B), by striking “and”;

(2) in subparagraph (C), by striking “$3,700,000 for each of fiscal years 2022, 2023, 2024, and 2025.” and inserting “$5,300,000 for each of fiscal years 2022, 2023, 2024, and 2025; and”;

(3) by adding at the end the following new subparagraphs:

“(D) $5,800,000 for each of fiscal years 2026, 2027, and 2028;

“(E) $6,300,000 for each of fiscal years 2029, 2030, and 2031; and

“(F) $6,800,000 for each of fiscal years 2032, 2033, 2034, and 2035.”.

(d) AUTHORIZATION OF APPROPRIATIONS.—Section 53111 of title 46, United States Code, is amended—

(1) in paragraph (2), by striking “and”;

(2) in paragraph (3), by striking “$222,000,000 for each fiscal year thereafter through fiscal year 2025.” and inserting “$318,000,000 for each of fiscal years 2022, 2023, 2024, and 2025;”; and
(3) by adding at the end the following new paragraphs:

“(4) $348,000,000 for each of fiscal years 2026, 2027, and 2028;

“(5) $378,000,000 for each of fiscal years 2029, 2030, and 2031; and

“(6) $408,000,000 for each of fiscal years 2032, 2033, 2034, and 2035.”.

SEC. 3503. MARITIME OCCUPATIONAL SAFETY AND HEALTH ADVISORY COMMITTEE.

Section 7 of the Occupational Safety and Health Act of 1970 (29 U.S.C. 656) is amended by adding at the end the following:

“(d) There is established a Maritime Occupational Safety and Health Advisory Committee, which shall be a continuing body and shall provide advice to the Secretary in formulating maritime industry standards and regarding matters pertaining to the administration of this Act related to the maritime industry. The composition of such advisory committee shall be consistent with the advisory committees established under subsection (b). A member of the advisory committee who is otherwise qualified may continue to serve until a successor is appointed. The Secretary may promulgate or amend regulations as necessary to implement this subsection.”.
Subtitle B—Tanker Security Fleet

SEC. 3511. TANKER SECURITY FLEET.

(a) IN GENERAL.—Subtitle VII of title 46, United States Code, is amended by adding at the end the following:

“CHAPTER 707—TANKER SECURITY FLEET

§ 70701. Definitions

In this chapter:

“(1) FOREIGN COMMERCE.—The term ‘foreign commerce’ means—

“(A) commerce or trade between the United States, its territories or possessions, or the District of Columbia, and a foreign country; and

“(B) commerce or trade between foreign countries including trade between foreign ports in accordance with normal commercial bulk shipping practices in such a manner as will permit vessels of the United States freely to com-
pete with foreign-flag liquid bulk carrying vessels in their operation or in competing charters, subject to rules and regulations promulgated by the Secretary of Transportation pursuant to this chapter or subtitle.

“(2) Participating Fleet vessel.—The term ‘participating Fleet vessel’ means any tank vessel covered by an operating agreement under this chapter on or after January 1, 2021.

“(3) Person.—The term ‘person’ includes corporations, partnerships, and associations existing under, or authorized by, laws of the United States, or any State, territory, district, or possession thereof, or any foreign country.

“(4) Tank vessel.—The term ‘tank vessel’ has the meaning that term has under section 2101 of this title.

“(5) United States citizen trust.—The term ‘United States citizen trust’—

“(A) means a trust for which—

“(i) each of the trustees is a citizen of the United States; and

“(ii) the application for documentation of the vessel under chapter 121 of this title includes an affidavit of each trustee
stating that the trustee is not aware of any reason involving a beneficiary of the trust that is not a citizen of the United States, or involving any other person who is not a citizen of the United States, as a result of which the beneficiary or other person would hold more than 25 percent of the aggregate power to influence or limit the exercise of the authority of the trustee with respect to matters involving any ownership or operation of the vessel that may adversely affect the interests of the United States;

“(B) does not include a trust for which any person that is not a citizen of the United States has authority to direct, or participate in directing, a trustee for a trust in matters involving any ownership or operation of the vessel that may adversely affect the interests of the United States or in removing a trustee without cause, either directly or indirectly through the control of another person, unless the trust instrument provides that persons who are not citizens of the United States may not hold more
than 25 percent of the aggregate authority to
so direct or remove a trustee; and
“(C) may include a trust for which a per-
son who is not a citizen of the United States
holds more than 25 percent of the beneficial in-
terest in the trust.

§ 70702. Establishment of the Tanker Security Fleet
“(a) In General.—The Secretary of Transport-
ation, in consultation with the Secretary of Defense, shall
establish a fleet of active, commercially viable, militarily
useful, privately owned product tankers to meet national
defense and other security requirements and maintain a
United States presence in international commercial ship-
ning. The fleet shall consist of privately owned vessels of
the United States for which there are in effect operating
agreements under this chapter, and shall be known as the
‘Tanker Security Fleet’ (hereinafter in this chapter re-
ferred to as the ‘Fleet’).

“(b) Vessel Eligibility.—A vessel is eligible to be
included in the Fleet if the vessel—
“(1) meets the requirements under paragraph
(1), (2), (3), or (4) of subsection (c);
“(2) is operated (or in the case of a vessel to
be constructed, will be operated) in providing trans-
portation in United States foreign commerce;
“(3) is self-propelled;

“(4) is not more than ten years of age on the date the vessel is first included in the Fleet and not more than 25 years of age at any time during which the vessel is included in the Fleet;

“(5) is determined by the Secretary of Defense to be suitable for use by the United States for national defense or military purposes in time of war or national emergency; and

“(6) is commercially viable, as determined by the Secretary of Transportation; and

“(7) is—

“(A) a vessel of the United States; or

“(B) not a vessel of the United States, but—

“(i) the owner of the vessel has demonstrated an intent to have the vessel documented under chapter 121 of this title if it is included in the Fleet; and

“(ii) at the time an operating agreement is entered into under this chapter, the vessel is eligible for documentation under chapter 121 of this title.

“(c) REQUIREMENTS REGARDING CITIZENSHIP OF OWNERS, CHARTERERS, AND OPERATORS.—
“(1) VESSELS OWNED AND OPERATED BY SECTION 50501 CITIZENS.—A vessel meets the requirements of this paragraph if, during the period of an operating agreement under this chapter that applies to the vessel, the vessel will be owned and operated by one or more persons that are citizens of the United States under section 50501 of this title.

“(2) VESSELS OWNED BY A SECTION 50501 CITIZEN, OR UNITED STATES CITIZEN TRUST, AND CHARTERED TO A DOCUMENTATION CITIZEN.—A vessel meets the requirements of this paragraph if—

“(A) during the period of an operating agreement under this chapter that applies to the vessel, the vessel will be—

“(i) owned by a person that is a citizen of the United States under section 50501 of this title or that is a United States citizen trust; and

“(ii) demise chartered to a person—

“(I) that is eligible to document the vessel under chapter 121 of this title;

“(II) the chairman of the board of directors, chief executive officer, and a majority of the members of the
board of directors of which are citizens of the United States under section 50501 of this title, and are appointed and subjected to removal only upon approval by the Secretary; and

“(III) that certifies to the Secretary that there are no treaties, statutes, regulations, or other laws that would prohibit the owner or operator for the vessel from performing its obligations under an operating agreement under this chapter;

“(B) in the case of a vessel that will be demise chartered to a person that is owned or controlled by another person that is not a citizen of the United States under section 50501 of this title, the other person enters into an agreement with the Secretary not to influence the operation of the vessel in a manner that will adversely affect the interests of the United States; and

“(C) the Secretary of Transportation and the Secretary of Defense notify the Committee on Armed Services and the Committee on Commerce, Science, and Transportation of the Sen-
ate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives that the Secretaries concur with the certification required under subparagraph (A)(ii)(III), and have reviewed and agree that there are no legal, operational, or other impediments that would prohibit the owner or operator for the vessel from performing its obligations under an operating agreement under this chapter.

“(3) VESSELS OWNED AND OPERATED BY A DEFENSE OWNER OR OPERATOR.—A vessel meets the requirements of this paragraph if—

“(A) during the period of an operating agreement under this chapter that applies to the vessel, the vessel will be owned and operated by a person that—

“(i) is eligible to document a vessel under chapter 121 of this title;

“(ii) operates or manages other vessels of the United States for the Secretary of Defense, or charters other vessels to the Secretary of Defense;
“(iii) has entered into a special security agreement for the purpose of this paragraph with the Secretary of Defense;

“(iv) makes the certification described in paragraph (2)(A)(ii)(III); and

“(v) in the case of a vessel described in paragraph (2)(B), enters into an agreement referred to in that subparagraph; and

“(B) the Secretary of Transportation and the Secretary of Defense notify the Committee on Armed Services and the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives that they concur with the certification required under subparagraph (A)(iv), and have reviewed and agree that there are no legal, operational, or other impediments that would prohibit the owner or operator for the vessel from performing its obligations under an operating agreement under this chapter.

“(4) VESSELS OWNED BY DOCUMENTATION CITIZENS AND CHARTERED TO SECTION 50501 CITIZENS.—A vessel meets the requirements of this
paragraph if, during the period of an operating
agreement under this chapter, the vessel will be—

“(A) owned by a person who is eligible to
document a vessel under chapter 121 of this
title; and

“(B) demise chartered to a person that is
a citizen of the United States under section
50501 of this title.

“(d) REQUEST BY SECRETARY OF DEFENSE.—The
Secretary of Defense shall request that the Commandant
of the Coast Guard issue any waiver under section 501
of this title that the Secretary of Defense determines is
necessary for purposes of this chapter.

“(e) VESSEL STANDARDS.—

“(1) CERTIFICATE OF INSPECTION.—A vessel
used to provide oceangoing transportation that the
Commandant of the Coast Guard determines meets
the criteria of subsection (b) but which, on the date
of enactment of this section, is not documented
under chapter 121 of this title, shall be eligible for
a certificate of inspection if the Commandant of the
Coast Guard determines that—

“(A) the vessel is classed by and designed
in accordance with the rules of the American
Bureau of Shipping, or another classification
society accepted by the Commandant of the
Coast Guard;

“(B) the vessel complies with applicable
international agreements and associated guide-
lines, as determined by the country in which the
vessel was documented immediately before be-
coming documented under chapter 121 of this
title; and

“(C) the country has not been identified by
the Commandant of the Coast Guard as inade-
quately enforcing international vessel regula-
tions as to that vessel.

“(2) RELIANCE ON CLASSIFICATION SOCIETY.—

“(A) IN GENERAL.—The Commandant of
the Coast Guard may rely on a certification
from the American Bureau of Shipping or, sub-
ject to subparagraph (B), another classification
society accepted by the Commandant of the
Coast Guard, to establish that a vessel is in
compliance with the requirements of paragraph
(1).

“(B) FOREIGN CLASSIFICATION SOCI-
ETY.—The Secretary may accept certification
from a foreign classification society under sub-
paragraph (A) only—
“(i) to the extent that the government of the foreign country in which the society is headquartered provides access on a reciprocal basis to the American Bureau of Shipping; and

“(ii) if the foreign classification society has offices and maintains records in the United States.

“§ 70703. Vessel standards

“(a) CERTIFICATE OF INSPECTION.—A vessel used to provide transportation service as a common carrier that the Secretary of Transportation determines meets the criteria of section 53102(b) of this title, which on the date of enactment of this section is not a documented vessel (as that term is defined in section 106 of this title), shall be eligible for a certificate of inspection if the Secretary determines that—

“(1) the vessel is classed by and designed in accordance with the rules of the American Bureau of Shipping or another classification society accepted by the Secretary;

“(2) the vessel complies with applicable international agreements and associated guidelines, as determined by the country in which the vessel was
documented immediately before becoming a documented vessel (as defined in that section); and

“(3) that country has not been identified by the Secretary as inadequately enforcing international vessel regulations as to that vessel.

“(b) CONTINUED ELIGIBILITY FOR CERTIFICATE.—Subsection (a) does not apply to any vessel that has failed to comply with the applicable international agreements and association guidelines referred to in subsection (a)(2).

“(c) RELIANCE ON CLASSIFICATION SOCIETY.—

“(1) IN GENERAL.—The Secretary may rely on a certification from the American Bureau of Shipping or, subject to paragraph (2), another classification society accepted by the Secretary, to establish that a vessel is in compliance with the requirements of subsections (a) and (b).

“(2) FOREIGN CLASSIFICATION SOCIETY.—The Secretary may accept certification from a foreign classification society under paragraph (1) only—

“(A) to the extent that the government of the foreign country in which the society is headquartered provides access on a reciprocal basis to the American Bureau of Shipping; and
“(B) if the foreign classification society has offices and maintains records in the United States.

§ 70704. Award of operating agreements

“(a) IN GENERAL.—The Secretary of Transportation shall require, as a condition of including any vessel in the Fleet, that the owner or operator of the vessel enter into an operating agreement with the Secretary under this section.

“(b) PROCEDURE FOR APPLICATIONS.—

“(1) PARTICIPATING FLEET VESSELS.—

“(A) IN GENERAL.—The Secretary of Transportation shall accept an application for an operating agreement for a participating Fleet vessel under the priority under paragraph (2) only from a person that has authority to enter into an operating agreement under this chapter.

“(B) VESSEL UNDER DEMISE CHARTER.—

For purposes of subparagraph (A), in the case of a vessel that is subject to a demise charter that terminates by its own terms on September 30, 2035 (without giving effect to any extension provided therein for completion of a voyage or to effect the actual redelivery of the vessel), or
that is terminable at the will of the owner of
the vessel after such date, only the owner of the
vessel shall be treated as having the authority
referred to in subparagraph (A).

“(C) VESSEL OWNED BY A UNITED STATES
CITIZEN TRUST.—For purposes of subpara-
graph (B), in the case of a vessel owned by a
United States citizen trust, the term ‘owner of
the vessel’ includes the beneficial owner of the
vessel with respect to such trust.

“(2) DISCRETION WITHIN PRIORITY.—The Sec-
retary of Transportation—

“(A) may award operating agreements
under paragraph (1) according to such prior-
ities as the Secretary considers appropriate; and

“(B) shall award operating agreements
within any such priority—

“(i) in accordance with operational re-
quirements specified by the Secretary of
Defense;

“(ii) in the case of operating agree-
ments awarded under subparagraph (B) of
paragraph (1), according to applicants’
records of owning and operating vessels; and
“(iii) subject to approval of the Secretary of Defense.

“(c) LIMITATION.—For any fiscal year, the Secretary may not award operating agreements under this chapter that require payments under section 70707 of this title for more than 10 vessels.

§ 70705. Effectiveness of operating agreements

“(a) IN GENERAL.—Subject to the availability of appropriations for such purpose, the Secretary of Transportation may enter into an operating agreement under this chapter for fiscal year 2021 and any subsequent fiscal year. Each such agreement may be renewed annually for up to seven years.

“(b) VESSELS UNDER CHARTER TO THE UNITED STATES.—The owner or operator of a vessel under charter to the United States is eligible to receive payments pursuant to any operating agreement that covers such vessel.

“(c) TERMINATION.—

“(1) TERMINATION BY SECRETARY FOR LACK OF OWNER OR OPERATOR COMPLIANCE.—If the owner or operator with respect to an operating agreement materially fails to comply with the terms of the agreement—

“(A) the Secretary shall notify the owner or operator and provide a reasonable oppor-
tunity to comply with the operating agreement;

and

“(B) the Secretary shall terminate the oper-
ating agreement if the owner or operator fails
to achieve such compliance.

“(2) TERMINATION BY OWNER OR OPER-
ATOR.—

“(A) IN GENERAL.—If an owner or oper-
ator provides notice of the intent to terminate
an operating agreement under this chapter on
a date specified by not later than 60 days prior
to such date, such agreement shall terminate on
the date specified by the owner or operator.

“(B) REPLACEMENT.—An operating agree-
ment with respect to a vessel shall terminate on
the date that is three years after the date on
which the vessel begins operating under the
agreement, if—

“(i) the owner or operator notifies the
Secretary, by not later than two years
after the date the vessel begins operating
under the agreement, that the owner or op-
erator intends to terminate the agreement
under this subparagraph; and
“(ii) the Secretary of Transportation, in coordination with the Secretary of Defense, determines that—

“(I) an application for an operating agreement under this chapter has been received for a replacement vessel that is acceptable to the Secretaries; and

“(II) during the period of an operating agreement under this chapter that applies to the replacement vessel, the replacement vessel will be—

“(aa) owned and operated by one or more persons that are citizens of the United States under section 50501 of this title; or

“(bb) owned by a person who is eligible to document the vessel under chapter 121 of this title, and operated by a person that is a citizen of the United States under section 50501 of this title.

“(d) NONRENEWAL FOR LACK OF FUNDS.—
“(1) IN GENERAL.—If sufficient funds are not made available to carry out an operating agreement under this chapter—

“(A) the Secretary of Transportation shall submit to the Committee on Armed Services and the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives notice that such agreement shall be not renewed effective on the 60th day of the fiscal year, unless such funds are made available before such day; and

“(B) effective on the 60th day of such fiscal year, terminate such agreement and provide notice of such termination to the owner or operator of the vessel covered by the agreement.

“(2) RELEASE OF VESSELS FROM OBLIGATIONS.—If an operating agreement for a vessel under this chapter is not renewed pursuant to paragraph (1), then the owner or operator of the vessel is released from any further obligation under the operating agreement as of the date of such termination or nonrenewal.
“(3) **Foreign Transfer and Registration.**—The owner or operator of a vessel covered by an operating agreement under this chapter may transfer and register such vessel under a foreign registry that is acceptable to the Secretary and the Secretary of Defense, notwithstanding section 70701 of this title.

“(4) **Requisition.**—If chapter 563 of this title is applicable to a vessel after registration, then the vessel is available to be requisitioned by the Secretary pursuant to chapter 563 of this title.

“§ 70706. **Obligations and rights under operating agreements**

“(a) **Operation of Vessel.**—An operating agreement under this chapter shall require that, during the period the vessel covered by the agreement is operating under the agreement the vessel shall—

“(1) be operated in the United States foreign commerce, mixed United States foreign commerce and domestic trade allowed under a registry endorsement issued under section 12111 of this title, foreign-to-foreign commerce, or under a charter to the United States;

“(2) not be operated in the coastwise trade except as described in paragraph (1); and
“(3) be documented under chapter 121 of this title.

“(b) Operating Agreement Is an Obligation of the United States Government.—An operating agreement under this chapter constitutes a contractual obligation of the United States Government to pay the amounts provided for in the agreement to the extent of actual appropriations.

“(c) Obligations of Owner or Operator.—

“(1) In General.—The owner or operator of a vessel covered by an operating agreement under this chapter shall agree, as a condition of such agreement, to remain obligated to carry out the requirements described in paragraph (2) until the termination date specified in the agreement, even in the case of early termination of the agreement under section 70705(c) of this title. This subsection shall not apply in the case of an operating agreement terminated for lack of funds under section 70705(d) of this title.

“(2) Requirements.—The requirements described in this paragraph are the following:

“(A) To continue the documentation of the vessel under chapter 121 of this title.
“(B) To be bound by the requirements of section 70708 of this title.

“(C) That all terms and conditions of an emergency preparedness agreement entered into under section 70708 of this title shall remain in effect, except that the terms of such emergency preparedness agreement may be modified by the mutual consent of the owner or operator, the Secretary and the Secretary of Defense as provided in such section.

“(d) Transfer of Operating Agreements.—The owner or operator of a vessel covered by an operating agreement under this chapter may transfer that agreement (including all rights and obligations under the agreement) to any person that is eligible to enter into that operating agreement under this chapter, if the transfer is approved by the Secretary of Transportation and the Secretary of Defense.

“(e) Replacement of Vessels Covered by Agreements.—A owner or operator may replace a vessel covered by an operating agreement with another vessel that is eligible to be included in the Fleet under section 70702(b), if the Secretary of Transportation, in coordination with the Secretary of Defense, approves the replace-
ment of the vessel. In selecting a replacement vessel, the
owner or operator shall give primary consideration to—
“(1) the commercial viability of the vessel;
“(2) the utility of the vessel with respect to the
operating requirements of the owner or operator;
and
“(3) ensuring that the commercial and military
utility of any replacement vessel is not less than that
of the initial vessel.

“§ 70707. Payments
“(a) ANNUAL PAYMENT.—Subject to the availability
of appropriations for such purpose and the other provi-
sions of this chapter, the Secretary shall pay to the owner
or operator of a vessel covered by an operating agreement
under this chapter an amount equal to $6,000,000 for
each vessel covered by the agreement for each fiscal year
that the vessel is covered by the agreement. Such amount
shall be paid in equal monthly installments on the last day
of each month. The amount payable under this subsection
may not be reduced except as provided by this section.
“(b) CERTIFICATION REQUIRED FOR PAYMENT.—As
a condition of receiving payment under this section for a
fiscal year for a vessel, the owner or operator for the vessel
shall certify, in accordance with regulations issued by the
Secretary, that the vessel has been and will be operated
in accordance with section 70706 of this title for at least
320 days during the fiscal year. Days during which the
vessel is drydocked, surveyed, inspected, or repaired shall
be considered days of operation for purposes of this sub-
section.

“(c) GENERAL LIMITATIONS.—The Secretary may
not make any payment under this chapter for a vessel with
respect to any days for which the vessel is—

“(1) not operated or maintained in accordance
with an operating agreement under this chapter; or

“(2) more than 25 years of age.

“(d) REDUCTIONS IN PAYMENTS.—With respect to
payments under this chapter for a vessel covered by an
operating agreement, the Secretary—

“(1) except as provided in paragraph (2), may
not reduce such a payment for the operation of the
vessel to carry military or other preference cargoes
under section 55302(a), 55304, 55305, or 55314 of
this title, section 2631 of title 10, or any other cargo
preference law of the United States;

“(2) may not make such a payment for any day
that the vessel is engaged in transporting more than
7,500 tons of civilian bulk preference cargoes pursu-
ant to section 55302(a), 55305, or 55314 of this
title, section 901(a) or (b) of the Merchant Marine
Act, 1936 (46 App. U.S.C. 1241(a), 1241(b), or 1241(f)), that is bulk cargo; and

“(3) shall make a pro rata reduction for each day less than 320 in a fiscal year that the vessel is not operated in accordance with section 70706 of this title.

“(e) Limitations Regarding Noncontiguous Domestic Trade.—

“(1) In general.—No owner or operator shall receive payments pursuant to this chapter during a period in which it participates in noncontiguous domestic trade.

“(2) Limitation on application.—Paragraph (1) shall not apply to a owner or operator that is a citizen of the United States within the meaning of section 50501 of this title, applying the 75 percent ownership requirement of that section.

“(3) Participates in a noncontiguous trade defined.—In this subsection the term ‘participates in a noncontiguous domestic trade’ means directly or indirectly owns, charters, or operates a vessel engaged in transportation of cargo between a point in the contiguous 48 States and a point in Alaska, Hawaii, or Puerto Rico, other than a point in Alaska north of the Arctic Circle.
§ 70708. National security requirements

(a) Emergency Preparedness Agreement Required.—The Secretary of Transportation, in coordination with the Secretary of Defense, shall establish an emergency preparedness program under this section under which the owner or operator of a vessel covered by an operating agreement under this chapter shall agree, as a condition of the operating agreement, to enter into an emergency preparedness agreement with the Secretaries. Each such emergency preparedness agreement shall be entered into as promptly as practicable after the owner or operator has entered into the operating agreement.

(b) Terms of Agreement.—The terms of an agreement under this section—

(1) shall provide that upon request by the Secretary of Defense during time of war or national emergency, or whenever determined by the Secretary of Defense to be necessary for national security or contingency operation (as that term is defined in section 101 of title 10), the owner or operator shall make available commercial transportation resources (including services) described in subsection (d) to the Secretary of Defense;

(2) shall include such additional terms as may be established by the Secretary of Transportation and the Secretary of Defense; and
“(3) shall allow for the modification or addition of terms upon agreement by the Secretary of Transportation and the owner or operator and the approval by the Secretary of Defense.

“(c) Participation After Expiration of Operating Agreement.—Except as provided by section 70706 of this title, the Secretary may not require, through an emergency preparedness agreement or an operating agreement, that an owner or operator of a vessel covered by an operating agreement continue to participate in an emergency preparedness agreement after the operating agreement has expired according to its terms or is otherwise no longer in effect. After the expiration of an emergency preparedness agreement, a owner or operator may voluntarily continue to participate in the agreement.

“(d) Resources Made Available.—The commercial transportation resources to be made available under an emergency preparedness agreement shall include vessels or capacity in vessels, terminal facilities, management services, and other related services, or any agreed portion of such nonvessel resources for activation as the Secretary of Defense may determine to be necessary, seeking to minimize disruption of the owner or operator’s service to commercial customers.

“(e) Compensation.—
“(1) IN GENERAL.—Each emergency preparedness agreement under this section shall provide that the Secretary of Defense shall pay fair and reasonable compensation for all commercial transportation resources provided pursuant to this section.

“(2) SPECIFIC REQUIREMENTS.—Compensation under this subsection—

“(A) shall not be less than the owner or operator’s commercial market charges for like transportation resources;

“(B) shall be fair and reasonable considering all circumstances;

“(C) shall be provided from the time that a vessel or resource is required by the Secretary of Defense until the time it is redelivered to the owner or operator and is available to reenter commercial service; and

“(D) shall be in addition to and shall not in any way reflect amounts payable under section 70707 of this title.

“(f) TEMPORARY REPLACEMENT VESSELS.—Notwithstanding section 55302(a), 55304, 55305, or 55314 of this title, section 2631 of title 10, or any other cargo preference law of the United States—
“(1) an owner or operator may operate or employ in foreign commerce a foreign-flag vessel or foreign-flag vessel capacity as a temporary replacement for a vessel of the United States or vessel of the United States capacity that is activated by the Secretary of Defense under an emergency preparedness agreement or a primary Department of Defense sealift readiness program; and

“(2) such replacement vessel or vessel capacity shall be eligible during the replacement period to transport preference cargoes subject to sections 55302(a), 55304, 55305, and 55314 of this title and section 2631 of title 10 to the same extent as the eligibility of the vessel or vessel capacity replaced.

“(g) Redelivery and Liability of the United States for Damages.—

“(1) In General.—All commercial transportation resources activated under an emergency preparedness agreement shall, upon termination of the period of activation, be redelivered to the owner or operator in the same good order and condition as when received, less ordinary wear and tear, or the Secretary of Defense shall fully compensate the owner or operator for any necessary repair or replacement.
“(2) LIMITATION ON UNITED STATES LIABILITY.—Except as may be expressly agreed in an emergency preparedness agreement, or as otherwise provided by law, the Government shall not be liable for disruption of an owner or operator’s commercial business or other consequential damages to an owner or operator arising from the activation of commercial transportation resources under an emergency preparedness agreement.

“§ 70709. Regulatory relief

“(a) OPERATION IN FOREIGN COMMERCE.—An owner or operator for a vessel included in an operating agreement under this chapter may operate the vessel in the foreign commerce of the United States without restriction.

“(b) OTHER RESTRICTIONS.—The restrictions of section 55305(a) of this title concerning the building, rebuilding, or documentation of a vessel in a foreign country shall not apply to a vessel for any day the operator of the vessel is receiving payments for the operation of that vessel under an operating agreement under this chapter.

“(c) TELECOMMUNICATIONS EQUIPMENT.—The telecommunications and other electronic equipment on an existing vessel that is redocumented under the laws of the United States for operation under an operating agreement
under this chapter shall be deemed to satisfy all Federal Communications Commission equipment certification requirements, if—

“(1) such equipment complies with all applicable international agreements and associated guidelines as determined by the country in which the vessel was documented immediately before becoming documented under the laws of the United States;

“(2) that country has not been identified by the Secretary as inadequately enforcing international regulations as to that vessel; and

“(3) at the end of its useful life, such equipment shall be replaced with equipment that meets Federal Communications Commission equipment certification standards.

“§ 70710. Special rule regarding age of participating Fleet vessels

“Any age restriction under section 70702(b)(4) of this title shall not apply to a participating Fleet vessel during the 30-month period beginning on the date the vessel begins operating under an operating agreement under this chapter, if the Secretary of Transportation determines that the owner or operator of the vessel has entered into an arrangement to obtain and operate under the operating agreement for the participating Fleet vessel a replacement
vessel that, upon commencement of such operation, will be eligible to be included in the Fleet under section 70702(b) of this title.

“§ 70711. Regulations

“The Secretary of Transportation and the Secretary of Defense may each prescribe rules as necessary to carry out their respective responsibilities under this chapter.

“§ 70712. Authorization of appropriations

“There is authorized to be appropriated for payments under section 70707, $60,000,000 for each of fiscal years 2021 through 2035, to remain available until expended.

“§ 70713. Acquisition of Fleet vessels

“(a) IN GENERAL.—Upon replacement of a Fleet Vessel under an operating agreement under this chapter, and subject to agreement by the owner or operator of the vessel, the Secretary of Transportation is authorized, subject to the concurrence of the Secretary of Defense, to acquire the vessel being replaced for inclusion in the National Defense Reserve Fleet.

“(b) REQUIREMENTS.—To be eligible for acquisition by the Secretary of Transportation under this section a vessel shall—

“(1) have been covered by an operating agreement under this chapter for not less than three years; and
“(2) meet recapitalization requirements for the Ready Reserve Force.

“(c) Fair Market Value.—A fair market value shall be established by the Maritime Administration for acquisition of an eligible vessel under this section.

“(d) Appropriations.—Vessel acquisitions under this section shall be subject to the availability of appropriations. Amounts made available to carry out this section shall be derived from amounts authorized to be appropriated for the National Defense Reserve Fleet. Amounts authorized to be appropriated to carry out the Maritime Security Program may not be use to carry out this section.”.

(b) Clerical Amendment.—The table of chapters for subtitle VII of title 46, United States Code, is amended by adding at the end the following:

“707. Tanker Security Fleet ................................................................. 70701”.

(c) Deadline for Accepting Applications.—

(1) In General.—The Secretary of Transportation shall begin accepting applications for enrollment of vessels in the Tanker Security Fleet established under chapter 707 of title 46, United States Code, as added by subsection (a), by not later than 30 days after the date of the enactment of this Act.

(2) Approval.—Not later than 90 days after receipt of an application for the enrollment of a ves-
sel in the Tanker Security Fleet, the Secretary, in coordination with the Secretary of Defense shall—

(A) approve the application and enter into an operating agreement with the applicant; or

(B) provide to the applicant a written explanation for the denial of the application.

DIVISION D—FUNDING TABLES

SEC. 4001. AUTHORIZATION OF AMOUNTS IN FUNDING TABLES.

(a) IN GENERAL.—Whenever a funding table in this division specifies a dollar amount authorized for a project, program, or activity, the obligation and expenditure of the specified dollar amount for the project, program, or activity is hereby authorized, subject to the availability of appropriations.

(b) MERIT-BASED DECISIONS.—A decision to commit, obligate, or expend funds with or to a specific entity on the basis of a dollar amount authorized pursuant to subsection (a) shall—

(1) be based on merit-based selection procedures in accordance with the requirements of sections 2304(k) and 2374 of title 10, United States Code, or on competitive procedures; and

(2) comply with other applicable provisions of law.
1121

(c) Relationship to Transfer and Programming Authority.—An amount specified in the funding tables in this division may be transferred or reprogrammed under a transfer or reprogramming authority provided by another provision of this Act or by other law. The transfer or reprogramming of an amount specified in such funding tables shall not count against a ceiling on such transfers or reprogrammings under section 1001 or section 1512 of this Act or any other provision of law, unless such transfer or reprogramming would move funds between appropriation accounts.

(d) Applicability to Classified Annex.—This section applies to any classified annex that accompanies this Act.

(e) Oral and Written Communications.—No oral or written communication concerning any amount specified in the funding tables in this division shall supersede the requirements of this section.

TITLE XLI—PROCUREMENT

SEC. 4101. PROCUREMENT.

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## SEC. 4101. PROCUREMENT

### In This Section

#### (In Thousands of Dollars)

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#### AIRCRAFT PROCUREMENT, NAVY

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### SEC. 4101. PROCUREMENT

#### (In Thousands of Dollars)

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<th>House Authorized</th>
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#### PROCUREMENT OF AMMO, NAVY & MC

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#### SHIPBUILDING AND CONVERSION, NAVY

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**AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST**

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<td>SERVICE CRAFT</td>
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TOTAL SHIPBUILDING AND CONVERSION, NAVY 23,783,710 22,214,385

### OTHER PROCUREMENT, NAVY

#### SHIP PROPELLATION EQUIPMENT
- **001** SURFACE/POWER EQUIPMENT | 14,490 | 14,490 |
- **002** SURFACE/COMPATANT H&H | 31,563 | 23,563 |
- **003** OTHER NAVIGATION EQUIPMENT | 77,404 | 60,830 |
- **004** SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG | 160,803 | 160,803 |
- **005** DD G MOD | 566,140 | 566,140 |
- **006** FIREFIGHTING EQUIPMENT | 18,223 | 18,223 |
- **007** COMMAND AND CONTROL SYSTEMS | 2,096 | 2,886 |
- **008** LHA/LHD MILDEP | 95,651 | 64,651 |
- **009** POLLUTION CONTROL EQUIPMENT | 23,910 | 23,910 |
- **010** SUBMARINE SUPPORT EQUIPMENT | 44,895 | 25,300 |
- **011** VIRGINIA CLASS SUPPORT EQUIPMENT | 28,465 | 28,465 |
- **012** LON CLASS SUPPORT EQUIPMENT | 19,426 | 19,426 |
- **013** SUBMARINE BATTERIES | 26,942 | 26,290 |
- **014** LPS CLASS SUPPORT EQUIPMENT | 46,945 | 46,945 |
- **015** DDG 1000 CLASS SUPPORT EQUIPMENT | 9,930 | 9,930 |
- **016** STRATEGIC PLATFORM SUPPORT EQUIP | 14,331 | 14,311 |
- **017** DSSP EQUIPMENT | 2,909 | 2,909 |
- **018** CG MODERNIZATION | 193,990 | 193,990 |
- **019** LCU | 3,392 | 3,392 |
- **020** UNDERWATER ROV PROGRAM | 73,240 | 73,240 |
- **021** ITEMS LESS THAN $5 MILLION | 102,543 | 102,543 |
- **022** CHEMICAL WARFARE DETECTORS | 2,961 | 2,961 |
- **023** SUBMARINE LIFE SUPPORT SYSTEM | 8,615 | 8,615 |

### REACTOR PLANT EQUIPMENT
- **024** REACTOR INVER UNITS | 5,340 | 5,340 |
- **025** REACTOR COMPONENTS | 465,726 | 465,726 |

### OCEAN ENGINEERING
- **026** DIVING AND SALVAGE EQUIPMENT | 11,854 | 10,706 |
- **027** std BOAT | 79,102 | 73,967 |
- **028** OPERATING FORCES IPE | 202,238 | 202,238 |

### SMALL BOATS
- **029** LON COMMON MISSION MODULES EQUIPMENT | 53,553 | 33,237 |
- **030** LON MCM MISSION MODULES | 197,129 | 77,129 |
- **031** LON ASW MISSION MODULES | 27,554 | 27,554 |
- **032** LON SOW MISSION MODULES | 26,566 | 14,566 |
- **033** LON ASW MISSION MODULES | 84,972 | 84,972 |
- **034** SKILL & MEDIUM UUV | 40,547 | 10,601 |

### LOGISTIC SUPPORT
- **035** LSD MILDEP & MODERNIZATION | 40,269 | 40,269 |

### SHIP SONS

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SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

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<td>018</td>
<td>TAO FLEET OILER</td>
<td>983,215</td>
<td>607,215</td>
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TOTAL SHIPBUILDING AND CONVERSION, NAVY 23,783,710 22,214,385

### OTHER PROCUREMENT, NAVY

#### SHIP PROPELLATION EQUIPMENT
- **001** SURFACE/POWER EQUIPMENT | 14,490 | 14,490 |
- **002** SURFACE/COMPATANT H&H | 31,563 | 23,563 |
- **003** OTHER NAVIGATION EQUIPMENT | 77,404 | 60,830 |
- **004** SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG | 160,803 | 160,803 |
- **005** DD G MOD | 566,140 | 566,140 |
- **006** FIREFIGHTING EQUIPMENT | 18,223 | 18,223 |
- **007** COMMAND AND CONTROL SYSTEMS | 2,096 | 2,886 |
- **008** LHA/LHD MILDEP | 95,651 | 64,651 |
- **009** POLLUTION CONTROL EQUIPMENT | 23,910 | 23,910 |
- **010** SUBMARINE SUPPORT EQUIPMENT | 44,895 | 25,300 |
- **011** VIRGINIA CLASS SUPPORT EQUIPMENT | 28,465 | 28,465 |
- **012** LON CLASS SUPPORT EQUIPMENT | 19,426 | 19,426 |
- **013** SUBMARINE BATTERIES | 26,942 | 26,290 |
- **014** LPS CLASS SUPPORT EQUIPMENT | 46,945 | 46,945 |
- **015** DDG 1000 CLASS SUPPORT EQUIPMENT | 9,930 | 9,930 |
- **016** STRATEGIC PLATFORM SUPPORT EQUIP | 14,331 | 14,311 |
- **017** DSSP EQUIPMENT | 2,909 | 2,909 |
- **018** CG MODERNIZATION | 193,990 | 193,990 |
- **019** LCU | 3,392 | 3,392 |
- **020** UNDERWATER ROV PROGRAM | 73,240 | 73,240 |
- **021** ITEMS LESS THAN $5 MILLION | 102,543 | 102,543 |
- **022** CHEMICAL WARFARE DETECTORS | 2,961 | 2,961 |
- **023** SUBMARINE LIFE SUPPORT SYSTEM | 8,615 | 8,615 |

### REACTOR PLANT EQUIPMENT
- **024** REACTOR INVER UNITS | 5,340 | 5,340 |
- **025** REACTOR COMPONENTS | 465,726 | 465,726 |

### OCEAN ENGINEERING
- **026** DIVING AND SALVAGE EQUIPMENT | 11,854 | 10,706 |
- **027** std BOAT | 79,102 | 73,967 |
- **028** OPERATING FORCES IPE | 202,238 | 202,238 |

### SMALL BOATS
- **029** LON COMMON MISSION MODULES EQUIPMENT | 53,553 | 33,237 |
- **030** LON MCM MISSION MODULES | 197,129 | 77,129 |
- **031** LON ASW MISSION MODULES | 27,554 | 27,554 |
- **032** LON SOW MISSION MODULES | 26,566 | 14,566 |
- **033** LON ASW MISSION MODULES | 84,972 | 84,972 |
- **034** SKILL & MEDIUM UUV | 40,547 | 10,601 |

### LOGISTIC SUPPORT
- **035** LSD MILDEP & MODERNIZATION | 40,269 | 40,269 |

### SHIP SONS

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## SEC. 4101. PROCUREMENT

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### SEC. 4101. PROCUREMENT

#### In Thousands of Dollars

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### SEC. 4101. PROCUREMENT

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### SPACE PROCUREMENT, AIR FORCE

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### SEC. 4101. PROCUREMENT

#### (In Thousands of Dollars)

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**PROCUREMENT, DEFENSE-WIDE**

**MAJOR EQUIPMENT, OSD**

| 022 | MAJOR EQUIPMENT, HPA | 1,504 | 1,504 |
| 045 | MAJOR EQUIPMENT, OSD | 43,705 | 43,705 |

**MAJOR EQUIPMENT, SSA**

| 044 | INFORMATION SYSTEMS SECURITY PROGRAM (ISSP) | 1,533 | 1,533 |
| | **Realignment to IBSA for Starover** | [–1,400] | |

**MAJOR EQUIPMENT, WHS**

| 049 | MAJOR EQUIPMENT, WHS | 507 | 507 |

**MAJOR EQUIPMENT, DISA**

| 008 | INFORMATION SYSTEMS SECURITY | 3,318 | 3,318 |
| | **Realignment to Starover** | [–1,400] | |
| 009 | TELEPORT PROGRAM | 25,103 | 25,103 |
| 010 | ITEMS LESS THAN $5 MILLION | 26,416 | 26,416 |
| 012 | DEFENSE INFORMATION SYSTEM NETWORK | 17,574 | 17,574 |
| 015 | WHITE HOUSE COMMUNICATION AGENCY | 43,079 | 45,979 |
| 016 | SENDIS LEADERSHIP ENTERPRISE | 78,669 | 78,669 |
| 017 | JOINT REGIONAL SECURITY STAFFS (JRSS) | 80,958 | 33,243 |
| | **Program decrease** | [–33,689] | |
| 019 | MAJOR EQUIPMENT | 8,122 | 8,122 |

**MAJOR EQUIPMENT, DLA**

<p>| 019 | MAJOR EQUIPMENT | 107,907 | 107,907 |</p>
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TOTAL PROCUREMENT
## SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

### OPERATIONS.

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### SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

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### SECTION 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

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### SECTION 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

1. RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY BASIC RESEARCH

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#### APPLIED RESEARCH

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2. RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY BASIC RESEARCH

3. RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY APPLIED RESEARCH

4. RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY NATIONAL GUARD AND RESERVE EQUIPMENT

5. NATIONAL GUARD AND RESERVE EQUIPMENT UNDISTRIBUTED

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7. NATIONAL GUARD AND RESERVE EQUIPMENT UNDISTRIBUTED

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June 18, 2019 (1:16 p.m.)
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

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**SUBTOTAL APPLIED RESEARCH**  
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#### ADVANCED TECHNOLOGY DEVELOPMENT

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Program increase  40,800

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**SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT**  
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#### ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES

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Program increase  15,950

**SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES**  
136,761  
111,761

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June 18, 2019 (1:16 p.m.)
## SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

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### SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES

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### JOINT TACTICAL NETWORK (JTN)

- Program decrease for vehicle protection evaluation...
- Early to need (IVAS)...
- Early to need (P4) testing previously funded...
- Historical underexecution...
- Program delay...
- Project cancellation...
- Other...

### JOINT TACTICAL NETWORK CENTER (JTNC)

- Program decrease...
- Program delay...
- Program decrease from FY 2019...
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

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**Subtotal System Development & Demonstration:** 3,549,431

**Subtotal RDT&E Management Support:** 1,286,625
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1147
SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)
Line

Program
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219
220
221
222

0607312A
0607665A
0607865A
0203728A

223

0203735A

225
226

0203743A
0203744A

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228
229
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0203752A
0203758A
0203801A
0205412A

235
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0205456A
0205778A

238
239
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0303028A
0303140A
0303141A

241
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FY 2020
Request

Item
Unjustified request ...........................................................................
ARMY OPERATIONAL SYSTEMS DEVELOPMENT .......................
FAMILY OF BIOMETRICS ..................................................................
PATRIOT PRODUCT IMPROVEMENT ..............................................
JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOCS).
COMBAT VEHICLE IMPROVEMENT PROGRAMS .........................
Early to need ....................................................................................
155MM SELF-PROPELLED HOWITZER IMPROVEMENTS ..........
AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS.
Excess to need ..................................................................................
AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM
DIGITIZATION ......................................................................................
MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM
ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL
SYSTEM DEV.
LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM ....
GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS) .......
Testing excess to need .....................................................................
SECURITY AND INTELLIGENCE ACTIVITIES ..............................
INFORMATION SYSTEMS SECURITY PROGRAM .........................
GLOBAL COMBAT SUPPORT SYSTEM ............................................
Program decrease .............................................................................
WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM ............
INTEGRATED BROADCAST SERVICE (IBS) ..................................
TACTICAL UNMANNED AERIAL VEHICLES .................................
AIRBORNE RECONNAISSANCE SYSTEMS .....................................
DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS ............
RQ–11 UAV .............................................................................................
RQ–7 UAV ...............................................................................................
BIOMETRICS ENABLED INTELLIGENCE ......................................
END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES ............
Program increase—additive manufacturing technology insertion ...
SATCOM GROUND ENVIRONMENT (SPACE) ................................
JOINT TACTICAL GROUND SYSTEM ..............................................
CLASSIFIED PROGRAMS ...................................................................
SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT
TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL,
ARMY.

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0601103N

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0601152N
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004

0602114N

005

0602123N

006

0602131M

007
008

0602235N
0602236N

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012

0602271N
0602435N
0602651M
0602747N

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014
015

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0602782N
0602792N

016

0602861N

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June 18, 2019 (1:16 p.m.)
VerDate Nov 24 2008

13:16 Jun 18, 2019

RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY
BASIC RESEARCH
UNIVERSITY RESEARCH INITIATIVES ..........................................
Advanced radar research ..................................................................
Defense University research initiatives ............................................
IN-HOUSE LABORATORY INDEPENDENT RESEARCH ..............
DEFENSE RESEARCH SCIENCES ....................................................
SUBTOTAL BASIC RESEARCH ..................................................

Jkt 000000

APPLIED RESEARCH
POWER PROJECTION APPLIED RESEARCH ................................
Hypersonic testing facilities .............................................................
FORCE PROTECTION APPLIED RESEARCH .................................
Autonomous vehicle collaboration across maritime domains ...........
Cyber-physical research ....................................................................
Energy resilience ..............................................................................
Hybrid composite struct. res. enhanced mobility .............................
Navy power and energy systems technology ....................................
Program increase—direct air capture and blue carbon research ....
MARINE CORPS LANDING FORCE TECHNOLOGY ......................
Interdisciplinary expeditionary cybersecurity research ....................
COMMON PICTURE APPLIED RESEARCH .....................................
WARFIGHTER SUSTAINMENT APPLIED RESEARCH .................
Warfighter safety and performance .................................................
ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH ...............
OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH
JOINT NON-LETHAL WEAPONS APPLIED RESEARCH .............
UNDERSEA WARFARE APPLIED RESEARCH ...............................
Academic partnerships for undersea vehicle research ......................
Resident autonomous undersea robotics ..........................................
FUTURE NAVAL CAPABILITIES APPLIED RESEARCH .............
MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH
INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH.
SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD
ACITIVITIES.

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Fmt 6652

Sfmt 6201

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**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**

**(In Thousands of Dollars)**

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**SYSTEM DEVELOPMENT & DEMONSTRATION**

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## SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

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### MANAGEMENT SUPPORT

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SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
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Accelerate Blackjack prototype demonstration and tech maturation.

| 067 | 1204389F | SPACE CONTROL TECHNOLOGY | 64,231 | 58,231 |
| 068 | 1206730F | SPACE SECURITY AND DEFENSE PROGRAM | 56,385 | 56,385 |
| 069 | 1206760F | PROTECTED TACTICAL ENTERPRISE SERVICE (PTES) | 103,001 | 103,001 |
| 070 | 1206731F | PROTECTED TACTICAL ENTERPRISE (PTE) | 173,694 | 166,194 |

Unjustified growth.

| 071 | 1206355F | EVOLVED STRATEGIC SATCOM (ESS) | 172,206 | 172,206 |
| 072 | 1206557F | SPACE RAPID CAPABILITIES OFFICE | 33,742 | 30,742 |

Program decrease.

**SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES**

8,436,279

7,811,801

**SYSTEM DEVELOPMENT & DEMONSTRATION**

| 073 | 0604209F | FUTURE ADVANCED WEAPONS ANALYSIS & PROGRAMS | 246,200 | 200 |

Unjustified requirement.

| 074 | 0604210F | PNT RESILIENCY, MODS, AND IMPROVEMENTS | 67,742 | 67,742 |
| 075 | 0604222F | NUCLEAR WEAPONS SUPPORT | 10,016 | 10,016 |
| 076 | 0604270F | ELECTRONIC WARFARE DEVELOPMENT | 2,086 | 2,086 |
| 077 | 0604281F | TACTICAL DATA NETWORKS ENTERPRISE | 229,631 | 210,331 |

Prior-year carryover.

| 078 | 0604287F | PHYSICAL SECURITY EQUIPMENT | 9,700 | 9,700 |
| 079 | 0604299F | SMALL DIAMETER BOMBS (SDB) — EMD | 31,241 | 41,241 |

Program efficiency initiative.

| 080 | 0604429F | AIRBORNE ELECTRONIC ATTACK | 2 | 2 |
| 081 | 0604409F | ARTILLERY&ORDNANCE DEVELOPMENT | 29,043 | 22,543 |

Unjustified requirement (JAGM-1).

| 082 | 0604041F | SUBMUNITIONS | 3,045 | 3,045 |
| 083 | 0604117F | AGILE COMBAT SUPPORT | 19,944 | 19,944 |
| 084 | 0604198F | LIFE SUPPORT SYSTEMS | 8,624 | 8,624 |

Next-gen ejection seat qualification.

| 085 | 0604125F | COMBAT TRAINING RANGES | 37,365 | 37,365 |
| 086 | 0604199F | F-35 — EMD | 7,828 | 7,828 |
| 087 | 0604191F | LONG RANGE STANDOFF WEAPON | 712,519 | 712,519 |
| 088 | 0604193F | IRIM PUKE MODERNIZATION | 161,199 | 161,199 |
| 089 | 0605039F | JOINT TACTICAL NETWORK CENTER (JTN) | 2,414 | 2,414 |
| 090 | 0605038F | OPEN ARCHITECTURE MANAGEMENT | 30,000 | 30,000 |
| 091 | 0605022F | RCS-46 | 59,561 | 59,561 |
| 092 | 0605023F | ADVANCED PILOT TRAINING | 348,473 | 348,473 |
| 093 | 0605229F | COMBAT RESCUE HELICOPTER | 247,047 | 246,047 |

Support cost growth.

| 094 | 0605031F | B-2 DEPLOYABLE MANAGEMENT SYSTEM | 294,400 | 294,400 |
| 095 | 0101125F | NUCLEAR WEAPONS MODERNIZATION | 27,564 | 27,564 |
| 096 | 0207117F | F-15 E/PAWSS | 47,322 | 47,322 |
| 097 | 0207328F | STAND IN ATTACK WEAPON | 162,840 | 127,840 |

Unjustified program growth.

| 098 | 0207210F | FULL COMBAT MISSION TRAINING | 9,797 | 9,797 |
| 099 | 0300110F | C-13 EXCUTIVE TRANSPORT CAPITALIZATION | 9,930 | 9,930 |
| 100 | 0401319F | YU-24R | 7,828 | 7,828 |
| 101 | 0502122F | AUTOMATED TEST SYSTEMS | 2,747 | 2,747 |
| 102 | 1203748F | COMBAT SURVIVOR EVADER LOCATOR | 2,000 | 2,000 |
| 103 | 1203289F | GPS III FOLLOW-ON (GPS IIF) | 462,875 | 462,875 |

Unjustified growth.

| 104 | 1203940F | SPACE SITUATION AWARENESS OPERATIONS | 78,829 | 56,829 |

Unjustified growth.

| 105 | 1204212F | COUNTRIESPACE SYSTEMS | 29,017 | 31,017 |

Unjustified growth.

| 106 | 1204313F | ADVANCED EFH MILSATCOM (SPACE) | 117,290 | 117,290 |
| 107 | 1204322F | POLAR MILSATCOM (SPACE) | 427,400 | 427,400 |
| 108 | 1204331F | WIDEBAND GLOBAL SATCOM (SPACE) | 1,920 | 1,920 |
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1154
SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)
Line

Program
Element

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120

1206441F
1206442F

121

1206445F

122

1206853F

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124

0604256F
0604759F

125
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June 18, 2019 (1:16 p.m.)
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FY 2020
Request

Item
SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD ...........
NEXT GENERATION OPIR .................................................................
Unexecutable funding profile ...........................................................
Unexecutable funding profile (ground) ............................................
COMMERCIAL SATCOM (COMSATCOM) INTEGRATION ..............
Accelerate integration of COMSATCOM capabilities ......................
NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE)—
EMD.
SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.
MANAGEMENT SUPPORT
THREAT SIMULATOR DEVELOPMENT ..........................................
MAJOR T&E INVESTMENT ................................................................
Telemetry extension SATCOM relay ...............................................
RAND PROJECT AIR FORCE .............................................................
INITIAL OPERATIONAL TEST & EVALUATION ...........................
TEST AND EVALUATION SUPPORT ................................................
Overwater range telemetry improvements ........................................
ACQ WORKFORCE- GLOBAL POWER ..............................................
ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS ........................
ACQ WORKFORCE- GLOBAL REACH ...............................................
ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS ....................
ACQ WORKFORCE- GLOBAL BATTLE MGMT ...............................
ACQ WORKFORCE- CAPABILITY INTEGRATION .........................
ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY ...............
ACQ WORKFORCE- NUCLEAR SYSTEMS .......................................
MANAGEMENT HQ—R&D ..................................................................
FACILITIES RESTORATION AND MODERNIZATION—TEST
AND EVALUATION SUPPORT.
FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT.
REQUIREMENTS ANALYSIS AND MATURATION .........................
MANAGEMENT HQ—T&E ...................................................................
ENTEPRISE INFORMATION SERVICES (EIS) ...............................
ACQUISITION AND MANAGEMENT SUPPORT ..............................
GENERAL SKILL TRAINING .............................................................
INTERNATIONAL ACTIVITIES .........................................................
SPACE TEST AND TRAINING RANGE DEVELOPMENT .............
Unjustified growth ...........................................................................
SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE
SPACE & MISSILE SYSTEMS CENTER—MHA ...............................
ROCKET SYSTEMS LAUNCH PROGRAM (SPACE) ........................
Small rockets launch services ...........................................................
SPACE TEST PROGRAM (STP) ..........................................................
Small launch .....................................................................................
SUBTOTAL MANAGEMENT SUPPORT ...................................
OPERATIONAL SYSTEMS DEVELOPMENT
ADVANCED BATTLE MANAGEMENT SYSTEM (ABMS) ..............
Program increase—sensor fusion and artificial intelligence technology.
Unjustified request ...........................................................................
SPECIALIZED UNDERGRADUATE FLIGHT TRAINING ..............
WIDE AREA SURVEILLANCE ...........................................................
Program increase .............................................................................
DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D .................
F–35 C2D2 ..............................................................................................
AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS) ..
ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY .................
FOREIGN MATERIEL ACQUISITION AND EXPLOITATION .......
HC/MC–130 RECAP RDT&E ................................................................
NC3 INTEGRATION .............................................................................
B–52 SQUADRONS ...............................................................................
AIR-LAUNCHED CRUISE MISSILE (ALCM) ....................................
B–1B SQUADRONS ...............................................................................
B–2 SQUADRONS .................................................................................
MINUTEMAN SQUADRONS ................................................................
Technical adjustment for NC3 .........................................................
WORLDWIDE JOINT STRATEGIC COMMUNICATIONS ...............
INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK.
ICBM REENTRY VEHICLES ..............................................................
UH–1N REPLACEMENT PROGRAM .................................................
MQ–9 UAV ..............................................................................................
A–10 SQUADRONS ................................................................................
F–16 SQUADRONS ................................................................................
F–15E SQUADRONS .............................................................................

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ADVANCED TECHNOLOGY DEVELOPMENT

01 06030003DK  JOINT Munitions Advanced Technology | 25,779 | 25,779 |
02 06031121DK  SOF/LIC Advanced Development | 5,000 | 5,000 |
03 06031222EH  COMBATING TERRORISM TECHNOLOGY SUPPORT | 70,617 | 70,617 |
04 06031313DK  Counterterrorism detection technologies | [8,000] |
05 06031314DK  Foreign Comparative Testing | 24,970 | 24,970 |
06 06031603HK  Counter Weapons of Mass Destruction Advanced Technology Development | 340,065 | 340,065 |
07 06031756EK  Advanced Concepts and Performance Assessment | 14,208 | 14,208 |
08 06031757EK  WEAPONS TECHNOLOGY | 10,000 | 10,000 |
09 0603180CE  Advanced Research | 20,674 | 20,674 |
10 06032235EZ  Joint DOD-MUNITIONS Technology Development | 18,773 | 18,773 |
11 06032268EK  Advanced Aerospace Systems | 279,741 | 279,741 |
12 0603257K  Space Programs and Technology | 202,686 | 202,686 |
13 06032580EZ  Analytic Assessments | 19,429 | 19,429 |
14 06032591EK  Advanced Innovative Analysis and Concepts | 37,645 | 37,645 |
15 06032615EK  Advanced Innovative Analysis and Concepts—MIA | 14,668 | 14,668 |
16 06032641EK  Command and Vehicle Technology | 13,600 | 13,600 |
17 06033142DK  Defense Innovation Unit (DIU) | 29,198 | 29,198 |
18 06033733EK  Technology Innovation | 60,000 | 60,000 |
19 06033814EP  Chemical and Biological Defense Program—Advanced Development | 172,486 | 172,486 |
20 06035227DK  BETRAY LARCH | 159,688 | 159,688 |
21 06035235DK  Joint Electronic Advanced Technology | 12,063 | 12,063 |
22 06035243KD  Joint Electromagnetic Spectrum Operations | [5,000] |
23 06035245KD  Joint Capability Technology Demonstrations | 107,359 | 107,359 |
24 06035247EN  Networked Communications Capabilities | 2,858 | 2,858 |
25 06036051DK  Defense-Wide Manufacturing Science and Technology Program | 96,397 | 116,397 |
26 06036053EZ  Technology Development and Support | Additive manufacturing | [10,000] |
27 06036088EO  Manufacturing Technology Program | 42,834 | 42,834 |
28 06036099EZ  Emerging Capabilities Technology Development | 89,911 | 89,911 |
29 0603712E  Generic Logistics R&D Technology Demonstrations | 10,817 | 10,817 |
30 06037161EZ  Strategic Environmental Research Program | 66,157 | 66,157 |
31 06037206H  High End/Electronics Technology Development and Support | 171,771 | 171,771 |
32 06037215EZ  Joint Warfighting Program | 4,846 | 4,846 |
33 06037219EZ  Advanced Electromagnetics Technologies | 128,616 | 128,616 |
34 06037260EH  Command, Control and Communications Systems | 232,134 | 232,134 |
35 06037368EK  Network Center-Warfare Technology | 512,424 | 512,424 |
36 06037372EZ  Sensor Technology | 163,901 | 163,901 |
37 06037380EZ  Distributed Learning Advanced Technology Development | 13,723 | 13,723 |
38 06037411EK  Software Engineering Institute | 15,111 | 15,111 |
39 06038252EZ  Quick Reaction Spurial Projects | 47,147 | 47,147 |
40 06038313EK  Engineering Science and Technology | 19,376 | 19,376 |
41 06039243K  High Energy Laser Advanced Technology Program | 85,223 | 85,223 |
42 06039415EZ  Test & Evaluation Science & Technology | 175,574 | 180,574 |
43 06039630EZ  UAV hypersonic test range | [5,000] |
44 06039658EZ  National Security Innovation Network | 25,000 | 30,000 |
45 06040551ZE  Operational Energy Capability Improvement | 70,516 | 70,516 |
46 06031103EZ  CWMD Systems | 28,907 | 28,907 |
47 11604012EB  SOF Advanced Technology Development | 89,154 | 89,154 |
48 12606108DA  Space Science and Technology Research and Development | 20,000 | 41,500 |

Program increase | [21,500] |

JSPOC Mission System.
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

<table>
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<th>Line</th>
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<td>Rescope FTM-44—Conduct IRBM test.</td>
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SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

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Program increase: [175,000]

SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES: 9,797,493

SYSTEM DEVELOPMENT AND DEMONSTRATION

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SUBTOTAL SYSTEM DEVELOPMENT AND DEMONSTRATION: 841,588

MANAGEMENT SUPPORT

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SUBTOTAL MANAGEMENT SUPPORT: 4,960,169
### Sec. 4201. Research, Development, Test, and Evaluation

**Operational System Development**

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### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

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**SUBTOTAL UNDISTRIBUTED...**

**TOTAL RDT&E...**

### SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS

#### (In Thousands of Dollars)

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**SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES...**

**SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION...**

**RDT&E MANAGEMENT SUPPORT...**

### 1. SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS.
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TOTAL RDT&E
TITLE XLIII—OPERATION AND MAINTENANCE

SEC. 4301. OPERATION AND MAINTENANCE.

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

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MOBILIZATION

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TRAINING AND RECRUITING

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Changes to AH-64E Program ........................... [–25,000]
### SEC. 4301. OPERATION AND MAINTENANCE

(In Thousands of Dollars)

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**UNDISTRIBUTED**

- Overestimation of Civilian FTE Targets: 
  - Excess personnel: –2,000
  - Excess travel increase: –1,000
  - Excess civilian increase: –400
  - Excess travel increase: –1,000

**SUBTOTAL UNDISTRIBUTED**: –110,000

**TOTAL OPERATION & MAINTENANCE, ARMY**: 42,012,484

**OPERATION & MAINTENANCE, ARMY RES**

**SUBTOTAL OPERATING FORCES**: 2,918,372

**ADMIN & SRVWD ACTIVITIES**

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**SUBTOTAL OPERATING FORCES**: 2,918,372

**ADMIN & SRVWD ACTIVITIES**

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**SUBTOTAL ADMIN & SRVWD ACTIVITIES**: 110,738

**TOTAL OPERATION & MAINTENANCE, ARMY RES**: 3,029,110

**OPERATION & MAINTENANCE, ARNG**

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## SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)

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**SUBTOTAL OPERATING FORCES** | 42,788,298 | 42,567,686 |

### MOBILIZATION

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**SUBTOTAL MOBILIZATION** | 1,884,702 | 1,161,450 |

### TRAINING AND RECRUITING

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**SUBTOTAL TRAINING AND RECRUITING** | 2,106,043 | 2,087,093 |

### ADMIN & SRVWD ACTIVITIES

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**SUBTOTAL ADMIN & SRVWD ACTIVITIES** | 4,346,708 | 4,297,083 |

### UNDISTRIBUTED

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**SUBTOTAL UNDISTRIBUTED** | –30,000 | –30,000 |

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Unjustified growth: [–40,000]
Excess civilian growth: [–1,000]
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**OPERATION & MAINTENANCE, AIR FORCE OPERATING FORCES**

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**TRAINING AND RECRUITING**

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## SEC. 4301. OPERATION AND MAINTENANCE

(In Thousands of Dollars)

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June 18, 2019 (1:16 p.m.)
### SEC. 4301. OPERATION AND MAINTENANCE

#### (In Thousands of Dollars)

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**SUBTOTAL ADMIN & SRVWIDE ACTIVITIES** | 30,132,549 | 30,118,387 |

**TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE** | 37,479,841 | 37,369,379 |

**US COURT OF APPEALS FOR ARMED FORCES, DEF**

**ADMINISTRATION AND ASSOCIATED ACTIVITIES**

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<th>Item</th>
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**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**

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**SUBTOTAL ACQUISITION WORKFORCE DEVELOPMENT** | 400,000 | 375,000 |

**TOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND** | 400,000 | 375,000 |

**OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID**

**HUMANITARIAN ASSISTANCE**

<table>
<thead>
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SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS.

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SEC. 4302. OPERATION AND MAINTENANCE, ARMY RES

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SEC. 4302. OPERATION AND MAINTENANCE, ARNG

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SEC. 4302. ADMIN & SRVWIDE ACTIVITIES

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## SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

### (In Thousands of Dollars)

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### SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

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### SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

#### (In Thousands of Dollars)

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### SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

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**SUBTOTAL OPERATING FORCES**

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| 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 | 1,927,217 |

**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 | 317,558 |
| 410   | DEPARTMENT OF DEFENSE EDUCATION ACTIVITY | 31,620 | 31,620 |
| 460   | OFFICE OF THE SECRETARY OF DEFENSE | 21,666 | 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

**TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE**

8,368,112

### TITLE XLIV—MILITARY PERSONNEL

#### SEC. 4401. MILITARY PERSONNEL

(In Thousands of Dollars)

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SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

<table>
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TITLE XLV—OTHER AUTHORIZATIONS

SEC. 4501. OTHER AUTHORIZATIONS.

SEC. 4501. OTHER AUTHORIZATIONS
(In Thousands of Dollars)

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<tr>
<th>Item</th>
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## SEC. 4501. OTHER AUTHORIZATIONS

(In Thousands of Dollars)

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SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

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TITLE XLVI—MILITARY CONSTRUCTION

SEC. 4601. MILITARY CONSTRUCTION.

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

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## SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)

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### SEC. 4601. MILITARY CONSTRUCTION

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### SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS

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<td>EDC: Joint Mobility Center</td>
<td>46,840</td>
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<td>Navy</td>
<td>Rota</td>
<td>EDC: Small Craft Berthing Facility</td>
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<td>Navy</td>
<td>Various Worldwide Locations Planning and Design</td>
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<td>Navy</td>
<td>Various Worldwide Locations EDC: Various Worldwide Locations Europe</td>
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<td>56,246</td>
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<td>Ireland</td>
<td>Keflavik</td>
<td>EDC-Airfield Upgrades—Dangerous Cargo Pad</td>
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<td>Ireland</td>
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<td>EDC-Bolton Site Prop</td>
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<td>Jordan</td>
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<td>AP</td>
<td>Artaq</td>
<td>Air Traffic Control Tower</td>
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<td>AP</td>
<td>Artaq</td>
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<td>Germany</td>
<td>Gemersheim</td>
<td>EDC: Logistics Distribution Center Annex</td>
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TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

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 11,807,074

Defense nuclear nonproliferation........................................... 1,993,302 2,005,087

Naval reactors ................................................................. 1,648,396 1,632,142

Federal salaries and expenses ............................................. 434,699 410,000

Total, National nuclear security administration ................. 16,485,000 15,854,303

Environmental and other defense activities:

Defense environmental cleanup ........................................... 5,506,501 5,616,001

Other defense activities ....................................................... 1,035,339 1,035,339

Defense nuclear waste disposal .......................................... 0 0

Total, Environmental & other defense activities ............... 6,567,840 6,651,340

Total, Atomic Energy Defense Activities ......................... 23,052,840 22,505,643

Total, Discretionary Funding ............................................ 23,190,648 22,643,451

Nuclear Energy

Idaho sitewide 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 10,000

Terminate effort ............................................................... [-10,000]

W88 Alt 370 ................................................................. 304,186 304,186

W80–4 Life extension program ............................................ 89,804 89,804

W87–1 Modification Program (formerly IWI) ....................... 112,011 53,000

Unjustified growth .......................................................... [-59,011]

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, 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)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2020 Request</th>
<th>House Authorized</th>
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<tbody>
<tr>
<td>Unjustified program growth</td>
<td>-33,964</td>
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<tr>
<td>Research and development support</td>
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<td>Unjustified program growth</td>
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<td>R&amp;D certification and safety</td>
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<td>Unjustified program growth</td>
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<td>-34,395</td>
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<td>Management, technology, and production</td>
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<td><strong>Total, Stockpile services</strong></td>
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<td><strong>1,052,900</strong></td>
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<tr>
<td>Strategic materials</td>
<td></td>
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<tr>
<td>Uranium sustainment</td>
<td>94,146</td>
<td>94,146</td>
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<tr>
<td>Plutonium sustainment</td>
<td>712,440</td>
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<tr>
<td>Pit production beyond 30 pits per year</td>
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<td>Tritium sustainment</td>
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<td>Lithium sustainment</td>
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<td>Domestic uranium enrichment</td>
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<tr>
<td>Strategic materials sustainment</td>
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<td><strong>Total, Strategic materials</strong></td>
<td><strong>1,501,194</strong></td>
<td><strong>1,260,063</strong></td>
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<tr>
<td>Directed stockpile work</td>
<td>5,426,357</td>
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### Research, development, test and evaluation (RDT&E)

#### Science

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<tr>
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<tbody>
<tr>
<td>Advanced certification</td>
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<td>Primary assessment technologies</td>
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<tr>
<td>Dynamic materials properties</td>
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<td>133,800</td>
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<tr>
<td>Advanced radiography</td>
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<tr>
<td>Secondary assessment technologies</td>
<td>77,553</td>
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<td>Academic alliances and partnerships</td>
<td>44,625</td>
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<tr>
<td>Enhanced Capabilities for Subcritical Experiments</td>
<td>145,160</td>
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<td><strong>Total, Science</strong></td>
<td><strong>586,561</strong></td>
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#### Engineering

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<th>Program</th>
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<td>Enhanced surety</td>
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<td>Unjustified program growth</td>
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<td>Delivery Environments (formerly Weapons Systems Engineering Asses- sment Technology)</td>
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<td>Nuclear survivability</td>
<td>53,932</td>
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<tr>
<td>Enhanced surveillance</td>
<td>57,747</td>
<td>57,747</td>
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<td>Stockpile Responsiveness</td>
<td>39,839</td>
<td>5,000</td>
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<td>Unjustified request</td>
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<td><strong>Total, Engineering</strong></td>
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### Inertial confinement fusion ignition and high yield

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<th>Program</th>
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<tbody>
<tr>
<td>Ignition and Other Stockpile Programs</td>
<td>55,649</td>
<td>55,649</td>
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<tr>
<td>Diagnostics, cryogenies and experimental support</td>
<td>66,128</td>
<td>66,128</td>
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<tr>
<td>Pulsed power inertial confinement fusion</td>
<td>8,571</td>
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<td>Joint program in high energy density laboratory plasmas</td>
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<td>Facility operations and target production</td>
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<td>High energy density R&amp;D</td>
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<td>National ignition facility, LLNL</td>
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<tr>
<td>Z Facility, SNL</td>
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<td>0</td>
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<td>Omega laser facility, U Rochester</td>
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<td><strong>Total, Inertial confinement fusion and high yield</strong></td>
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### Advanced simulation and computing

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<th>FY 2020 Request</th>
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<td>Advanced simulation and computing</td>
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### Construction:

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<td>18–D–620, Exascale Computing Facility Modernization Project, LLNL</td>
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<td><strong>Total, Construction</strong></td>
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### Total, Advanced simulation and computing

<table>
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<td><strong>Total, Advanced simulation and computing</strong></td>
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### Advanced manufacturing

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<td>Additive manufacturing</td>
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<td>Component manufacturing development</td>
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<td>Process technology development</td>
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<td><strong>Total, Advanced manufacturing</strong></td>
<td><strong>136,908</strong></td>
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### Total, RDT&E

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<tr>
<td>Infrastructure and operations</td>
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<td>Operations of facilities</td>
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<td>Unjustified program growth</td>
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<td>Safety and environmental operations</td>
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<td>Unjustified program growth</td>
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<td>Maintenance and repair of facilities</td>
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<td>Recapitalization:</td>
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<td>Infrastructure and safety</td>
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<td>Total, Recapitalization</td>
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<td><strong>556,714</strong></td>
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<td>Construction:</td>
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<td>19–D–670, 138kV Power Transmission System Replacement, NNSS</td>
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<td>18–D–690, Lithium Processing Facility, Y–12 (formerly Lithium Production Capability, Y–12)</td>
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<td>18–D–650, Tritium Finishing Facility, SRS</td>
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<td>17–D–640, U1a Complex Enhancements Project, NNSS</td>
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<td>15–D–612, Emergency Operations Center, LLNL</td>
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<td>15–D–611, Emergency Operations Center, SNL</td>
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<td>13–D–301, IIE Science &amp; Engineering Facility, PX</td>
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<td>06–D–141 Uranium processing facility Y–12, Oak Ridge, TN</td>
<td>745,000</td>
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<td>04–D–125, Chemistry and Metallurgy Research Replacement Project, LANL</td>
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<td>Total, Construction</td>
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<td>Total, Infrastructure and operations</td>
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<td>Secure transportation asset</td>
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<td>Operations and equipment</td>
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<tr>
<td>Total, Secure transportation asset</td>
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<td>Defense nuclear security</td>
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<tr>
<td>Operations and maintenance</td>
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<td>Excess to need</td>
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<tr>
<td>Total, Defense nuclear security</td>
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<td><strong>750,000</strong></td>
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<tr>
<td>Information technology and cybersecurity</td>
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<td>Legacy contractor pensions</td>
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<tr>
<td>Total, Weapons Activities</td>
<td><strong>1,248,603</strong></td>
<td><strong>1,180,074</strong></td>
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**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     | 142,171         | 142,171          |
| Nuclear smuggling detection and deterrence |                 |                  |
| 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          |
| Total, Material management & minimization  | **333,533**     | **333,533**      |

| Nonproliferation and arms control          | 137,267         | 137,267          |
| Defense nuclear nonproliferation R&D       | 525,357         |                  |
| Proliferation detection research           |                 | [15,000]         |
| Additional verification and detection effort |                 | [15,000]         |

<p>| 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 | 213,500 |
| Program decrease                           |                 | [-6,500]         |
| Total, Nonproliferation construction       | <strong>299,000</strong>     | <strong>292,500</strong>      |</p>
<table>
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<th>Program</th>
<th>FY 2020 Request</th>
<th>House Authorized</th>
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<tr>
<td>Total, Defense Nuclear Nonproliferation Programs</td>
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<td>Nuclear counterterrorism and incident response program</td>
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<td>340,380</td>
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<tr>
<td>Unjustified cost growth</td>
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<tr>
<td>Total, Defense Nuclear Nonproliferation</td>
<td>1,993,302</td>
<td>2,005,087</td>
</tr>
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</table>

**Naval Reactors**

- Naval reactors development: 531,205 (514,951)
- Unjustified growth: [–16,254]
- Columbia-Class reactor systems development: 75,500 (75,500)
- SSG Prototype refueling: 155,000 (155,000)
- Naval reactors operations and infrastructure: 553,591 (553,591)

**Construction:**

- 20-D–921, KI, 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, NIF: 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)
- Rail liquid tank waste stabilization and disposition: 617,460 (705,460)
- Program increase: [28,000]

**Construction:**

- 18–D–16 Waste treatment and immobilization plant—LBL/Direct feed LAL: 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 Processes Research Unit: 15,300 (15,300)
- Nevada: 60,737 (60,737)
- Sandia National Laboratories: 2,652 (2,652)
<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2020 Request</th>
<th>House Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Los Alamos National Laboratory</td>
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<td>OR Nuclear facility D &amp; D</td>
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<td>U233 Disposition Program</td>
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<td>14–D–403 Outfall 200 Mercury Treatment Facility</td>
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<td>Radioactive liquid tank waste stabilization and disposition</td>
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### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

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<th>Program</th>
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<td>Yucca mountain and interim storage</td>
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Amend the title so as to read: “A bill to authorize appropriations for fiscal year 2020 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes.”.