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June 19, 2018

Ordered to be printed as passed

In the Senate of the United States,

June 18, 2018.

Resolved, That the bill from the House of Representatives (H.R. 5515) entitled "An Act to authorize appropriations for fiscal year 2019 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.", do pass with the following

AMENDMENT:

Strike out all after the enacting clause and insert:

SECTION 1. SHORT TITLE.

(a) IN GENERAL.—This Act may be cited as the "John S. McCain National Defense Authorization Act for Fiscal Year 2019".

(b) REFERENCES.—Any reference in this or any other Act to the "National Defense Authorization Act for Fiscal Year 2019" shall be deemed to be a reference to the "John

S. McCain National Defense Authorization Act for Fiscal Year 2019".

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.

(5) Division E—Additional Provisions.

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

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

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

Subtitle A—Authorization of Appropriations

Sec. 101. Authorization of appropriations.

Subtitle B—Army Programs

Sec. 111. Deployment by the Army of an interim cruise missile defense capability.

Subtitle C—Navy Programs

Sec. 121. Multiyear procurement authority for F/A–18E/F Super Hornet and EA–18G aircraft program.

Sec. 122. Multiyear procurement authority for E–2D Advanced Hawkeye (AHE) aircraft program.
Sec. 123. Extension of limitation on use of sole-source shipbuilding contracts for certain vessels.
Sec. 124. Prohibition on availability of funds for Navy port waterborne security barriers.
Sec. 125. Multiyear procurement authority for Standard Missile-6.
Sec. 126. Limitation on availability of funds for the Littoral Combat Ship.
Sec. 127. Nuclear refueling of aircraft carriers.
Sec. 128. Limitation on funding for Amphibious Assault Vehicle Product Improvement Program.

Subtitle D—Air Force Programs

Sec. 141. Prohibition on availability of funds for retirement of E–8 JSTARS aircraft.
Sec. 142. B–52H aircraft system modernization report.
Sec. 143. Repeal of funding restriction for EC–130H Compass Call Recapitalization Program and review of program acceleration opportunities.

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

Sec. 151. Multiyear procurement authority for C–130J aircraft program.
Sec. 152. Quarterly updates on the F–35 Joint Strike Fighter program.
Sec. 153. Authority to procure additional polar-class icebreakers.

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Subtitle A—Authorization of Appropriations

Sec. 201. Authorization of appropriations.

Subtitle B—Program Requirements, Restrictions, and Limitations

Sec. 211. Codification and reauthorization of Defense Research and Development Rapid Innovation Program.
Sec. 212. Procedures for rapid reaction to emerging technology.
Sec. 213. Activities on identification and development of enhanced personal protective equipment against blast injury.
Sec. 214. Human factors modeling and simulation activities.
Sec. 215. Expansion of mission areas supported by mechanisms for expedited access to technical talent and expertise at academic institutions.
Sec. 216. Advanced manufacturing activities.
Sec. 217. National security innovation activities.
Sec. 218. Partnership intermediaries for promotion of defense research and education.
Sec. 219. Limitation on use of funds for Surface Navy Laser Weapon System.
Sec. 220. Expansion of coordination requirement for support for national security innovation and entrepreneurial education.
Sec. 221. Limitation on funding for Amphibious Combat Vehicle 1.2.
Sec. 222. Defense quantum information science and technology research and development program.
Sec. 223. Joint directed energy test activities.
Sec. 224. Requirement for establishment of arrangements for expedited access to technical talent and expertise at academic institutions to support Department of Defense missions.

Sec. 225. Authority for Joint Directed Energy Transition Office to conduct research relating to high powered microwave capabilities.
Sec. 226. Joint artificial intelligence research, development, and transition activities.

Subtitle C—Reports and Other Matters

Sec. 231. Report on comparative capabilities of adversaries in key technology areas.
Sec. 232. Report on active protection systems for armored combat and tactical vehicles.
Sec. 233. Next Generation Combat Vehicle.
Sec. 234. Report on the future of the defense research and engineering enterprise.
Sec. 235. Modification of reports on mechanisms to provide funds to defense laboratories for research and development of technologies for military missions.
Sec. 236. Report on Mobile Protected Firepower and Future Vertical Lift.
Sec. 237. Improvement of the Air Force supply chain.
Sec. 238. Review of guidance on blast exposure during training.
Sec. 239. List of technologies and manufacturing capabilities critical to Armed Forces.
Sec. 240. Report on requiring access to digital technical data in future acquisitions of combat, combat service, and combat support systems.
Sec. 241. Competitive acquisition strategy for Bradley Fighting Vehicle transmission replacement.
Sec. 242. Independent assessment of electronic warfare plans and programs.

TITLE III—OPERATION AND MAINTENANCE

Subtitle A—Authorization of Appropriations

Sec. 301. Authorization of appropriations.

Subtitle B—Energy and Environment

Sec. 311. Further improvements to energy security and resilience.
Sec. 312. Funding of study and assessment of health implications of per- and polyfluoroalkyl substances contamination in drinking water by Agency for Toxic Substances and Disease Registry.
Sec. 313. Military Mission Sustainment Siting Clearinghouse.
Sec. 314. Operational energy policy.
Sec. 315. Funding treatment of perfluorooctane sulfonic acid and perfluorooctanoic acid at State-owned and operated National Guard installations.

Subtitle C—Reports

Sec. 321. Reports on readiness.
Sec. 322. Report on cold weather capabilities and readiness of United States Armed Forces.

Subtitle D—Other Matters

Sec. 331. Pilot programs on integration of military information support and civil affairs activities.
Sec. 332. Reporting on future years budgeting by subactivity group.
Sec. 333. Restriction on upgrades to aviation demonstration team aircraft.
Sec. 334. U.S. Special Operations Command civilian personnel.

Sec. 335. Limitation on availability of funds for service-specific Defense Readiness Reporting Systems.
Sec. 336. Repurposing and reuse of surplus Army firearms.
Sec. 337. Limitation on availability of funds for establishment of additional specialized undergraduate pilot training facility.
Sec. 338. Scope of authority for restoration of land due to mishap.
Sec. 339. Redesignation of the Utah Test and Training Range (UTTR).

Subtitle E—Logistics and Sustainment

Sec. 351. Limitation on modifications to Navy Facilities Sustainment, Restoration, and Modernization (FSRM) structure and mechanism.

TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS

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Sec. 401. End strengths for active forces.
Sec. 402. End strengths for commissioned officers on active duty in certain grades.

Subtitle B—Reserve Forces

Sec. 411. End strengths for Selected Reserve.
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Sec. 413. End strengths for military technicians (dual status).
Sec. 414. Maximum number of reserve personnel authorized to be on active duty for operational support.

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Sec. 421. Military personnel.
Sec. 422. Limitation on use of funds for personnel in fiscal year 2019 in excess of statutorily specified end strengths for fiscal year 2018.

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Sec. 506. Authority for promotion boards to recommend officers of particular merit be placed higher on a promotion list.
Sec. 507. Authority for officers to opt out of promotion board consideration.
Sec. 508. Competitive category matters.
Sec. 509. Promotion zone matters.

Sec. 510. Alternative promotion authority for officers in designated competitive categories of officers.
Sec. 511. Applicability to additional officer grades of authority for continuation on active duty of officers in certain military specialties and career tracks.

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Sec. 516. Matters relating to satisfactory service in grade for purposes of retirement grade of officers in highest grade of satisfactory service.
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Sec. 518. Repeal of original appointment qualification requirement for warrant officers in the regular Army.
Sec. 519. Uniform grade of service of the Chiefs of Chaplains of the Armed Forces.
Sec. 520. Written justification for appointment of Chiefs of Chaplains in grade below grade of major general or rear admiral.

Subtitle B—Reserve Component Management

Sec. 521. Authority to adjust effective date of promotion in the event of undue delay in extending Federal recognition of promotion.
Sec. 522. Authority to designate certain reserve officers as not to be considered for selection for promotion.
Sec. 523. Expansion of personnel subject to authority of the Chief of the National Guard Bureau in the execution of functions and missions of the National Guard Bureau.
Sec. 524. Repeal of prohibition on service on Army Reserve Forces Policy Committee by members on active duty.

Subtitle C—General Service Authorities

Sec. 531. Assessment of Navy standard workweek and related adjustments.
Sec. 532. Manning of Forward Deployed Naval Forces.
Sec. 533. Navy watchstander records.
Sec. 534. Qualification experience requirements for certain Navy watchstations.
Sec. 535. Repeal of 15-year statute of limitations on motions or requests for review of discharge or dismissal from the Armed Forces.
Sec. 536. Treatment of claims relating to military sexual trauma in correction of military records and review of discharge or dismissal proceedings.

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Sec. 546. Clarification of expiration of term of appellate military judges of the United States Court of Military Commission Review.

Sec. 547. Expansion of policies on expedited transfer of members of the Armed Forces who are victims of sexual assault.
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Subtitle E—Member Education, Training, Transition, and Resilience

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Sec. 552. Consecutive service of active service obligations for medical training with other service obligations for education or training.
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Sec. 556. Expansion of authority to assist members in obtaining professional credentials.
Sec. 557. Enhancement of authorities in connection with Junior Reserve Officers' Training Corps programs.

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

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Sec. 569. Improvement of My Career Advancement Account program for military spouses.
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Sec. 923. Qualifications for appointment as Deputy Chief Management Officer of a military department.
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Sec. 6802. Release of restrictions, University of California, San Diego.
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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.

SEC. 4. BUDGETARY EFFECTS OF THIS ACT.

The budgetary effects of this Act, for the purposes of complying with the Statutory Pay-As-You-Go Act of 2010, shall be determined by reference to the latest statement titled "Budgetary Effects of PAYGO Legislation" for this Act, jointly submitted for printing in the Congressional Record

by the Chairmen of the House and Senate Budget Committees, provided that such statement has been submitted prior to the vote on passage in the House acting first on the conference report or amendment between the Houses.

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

Subtitle A—Authorization of Appropriations

SEC. 101. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for procurement for the Army, the Navy and the Marine Corps, the Air Force, and Defense-wide activities, as specified in the funding table in section 4101.

Subtitle B—Army Programs

SEC. 111. DEPLOYMENT BY THE ARMY OF AN INTERIM CRUISE MISSILE DEFENSE CAPABILITY.

(a) CERTIFICATION OF NEED.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall certify to the congressional defense committees whether deployment of an interim, fixed site cruise missile defense capability is necessary.

(b) DEPLOYMENT REQUIRED.—The Army shall deploy an interim, fixed site cruise missile defense capability, in

anticipation of delivery to the Army of the Indirect Fire Protection Capability (IFPC), by the deadlines as follows:

(1) Two batteries by not later than September 30, 2020.

(2) Two additional batteries by not later than September 30, 2023.

(c) LOCATIONS OF DEPLOYMENT.—In deploying the interim capability pursuant to subsection (b), the Secretary of Defense shall afford a priority in locations for deployment to air bases and significant fixed site locations in Europe and Asia for the purpose of the protection of such bases and locations against potential cruise missile threats.

(d) ACHIEVEMENT OF DEPLOYMENT DEADLINES.—In order to meet the deadlines for deployment specified in subsection (b), the Army—

(1) shall deploy systems that require the least amount of development; and

(2) may use a combination of—

(A) procurement of non-developmental air and missile defense systems currently in production to ensure rapid delivery of capability;

(B) use of existing systems, components, and capabilities already in the Joint Force inventory, including rockets and missiles as available;

(C) operational information technology for communication, detection, and fire control that is certified to work with existing joint information technology systems to ensure interoperability;

(D) engagement and collaboration with science and technology, engineering, testing, and acquisition organization and activities in the Department of Defense, including the Defense Innovation United Experimental, the Director of Operational Test and Evaluation, the Defense Digital Service, the Strategic Capabilities Office, and the Rapid Capabilities offices, to accelerate the development, testing, and deployment of existing systems; and

(E) institutional and operational basing to facilitate rapid training and fielding.

(e) FUNDING.—Of the amount authorized to be appropriated for fiscal year 2019 by section 101 and available for the Army for procurement as specified in the funding table in section 4101, up to $500,000,000 may be available for the deployment of the interim capability required by subsection (b).

Subtitle C—Navy Programs

SEC. 121. MULTIYEAR PROCUREMENT AUTHORITY FOR F/A–18E/F SUPER HORNET AND EA–18G AIRCRAFT PROGRAM.

(a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—Subject to section 2306b of title 10, United States Code, the Secretary of the Navy may enter into one or more multiyear contracts, beginning with the fiscal year 2019 program year, for the procurement of F/A–18E/F Super Hornet and potential EA–18G aircraft. Notwithstanding subsection (k) of such section 2306b, the Secretary of Defense may enter into a multiyear contract under this section for up to three years.

(b) AUTHORITY FOR ADVANCE PROCUREMENT.—The Secretary of the Navy may enter into one or more contracts for advance procurement associated with the F/A–18E/F Super Hornet and potential EA–18G aircraft, including economic order quantity, for which authorization to enter into a multiyear procurement contract is provided under subsection (a).

(c) COST ANALYSIS REQUIREMENT.—The Secretary may not exercise the authority provided under subsection (a) or (b) until the Secretary of Defense submits to the congressional defense committees the report and confirmation

required under subparagraphs (A) and (B), respectively, of section 2306b(i)(2) of title 10, United States Code.

(d) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations or funds for that purpose for such later fiscal year.

SEC. 122. MULTIYEAR PROCUREMENT AUTHORITY FOR E–2D ADVANCED HAWKEYE (AHE) AIRCRAFT PROGRAM.

(a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—Subject to section 2306b of title 10, United States Code, the Secretary of the Navy may enter into one or more multiyear contracts, beginning with the fiscal year 2019 program year, for the procurement of E–2D Advanced Hawkeye (AHE) aircraft. Notwithstanding subsection (k) of such section 2306b, the Secretary of Defense may enter into a multiyear contract under this section for up to five years.

(b) AUTHORITY FOR ADVANCE PROCUREMENT AND ECONOMIC ORDER QUANTITY.—The Secretary may enter into one or more contracts for advance procurement associated with the E–2D AHE (including economic order quantity) for which authorization to enter into a multiyear procurement contract is provided under subsection (a).

(c) COST ANALYSIS REQUIREMENT.—The Secretary may not exercise the authority provided under subsection (a) or (b) until the Secretary of Defense submits to the congressional defense committees the report and confirmation required under subparagraphs (A) and (B), respectively, of section 2306b(i)(2) of title 10, United States Code.

(d) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations for that purpose for such later fiscal year.

SEC. 123. EXTENSION OF LIMITATION ON USE OF SOLE-SOURCE SHIPBUILDING CONTRACTS FOR CERTAIN VESSELS.

Section 124 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328), as amended by section 127 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended by striking "or fiscal year 2018" and inserting ", fiscal year 2018, or fiscal year 2019".

SEC. 124. PROHIBITION ON AVAILABILITY OF FUNDS FOR NAVY PORT WATERBORNE SECURITY BARRIERS.

(a) PROHIBITION.—Except as provided under subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2019 may be used for the procurement of new Navy port waterborne security barriers.

(b) WAIVER.—The Secretary of the Navy may waive the prohibition under subsection (a) not less than 30 days after submitting to the congressional defense committees—

(1) a Navy requirements document that specifies Key Performance Parameters and Key System Attributes for new Navy port waterborne security barriers;

(2) a certification that the level of capability specified under paragraph (1) will meet or exceed that of legacy Navy port waterborne security barriers;

(3) the acquisition strategy for the recapitalization of legacy Navy port waterborne security barriers, which will meet or exceed the requirements specified under paragraph (1); and

(4) a certification that any contract award or awards for new Navy port waterborne security barriers will result from full and open competition to the maximum extent practicable.

SEC. 125. MULTIYEAR PROCUREMENT AUTHORITY FOR STANDARD MISSILE-6.

(a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—Subject to section 2306b of title 10, United States Code, the Secretary of the Navy may enter into one or more multiyear contracts, beginning with the fiscal year 2019 program year, for the procurement of up to 625 Standard Missile-6 guided missiles.

(b) AUTHORITY FOR ADVANCE PROCUREMENT AND ECONOMIC ORDER QUANTITY.—The Secretary may enter into one or more contracts for advance procurement associated with the missiles (including economic order quantity) for which authorization to enter into a multiyear procurement contract is provided under subsection (a).

(c) COST ANALYSIS REQUIREMENT.—The Secretary may not exercise the authority provided under subsection (a) or (b) until the Secretary of Defense submits to the congressional defense committees the report and confirmation required under subparagraphs (A) and (B), respectively, of section 2306b(i)(2) of title 10, United States Code.

(d) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations for that purpose for such later fiscal year.

SEC. 126. LIMITATION ON AVAILABILITY OF FUNDS FOR THE LITTORAL COMBAT SHIP.

(a) LIMITATION.—None of the amounts authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2019 may be used to exceed the total procurement quantity listed in revision five of the Littoral Combat Ship acquisition strategy unless the Under Secretary of Defense for Acquisition and Sustainment submits to the congressional defense committees the certification described in subsection (b).

(b) CERTIFICATION.—The certification described in this subsection is a certification by the Under Secretary that awarding a contract for the procurement of a Littoral Combat Ship that exceeds the total procurement quantity listed in revision five of the Littoral Combat Ship acquisition strategy—

(1) is in the national security interests of the United States;

(2) will not result in exceeding the low-rate initial production quantity approved in the Littoral Combat Ship acquisition strategy in effect as of the date of the certification; and

(3) is necessary to maintain a full and open competition for the Guided Missile Frigate (FFG(X)) with a single source award in fiscal year 2020.

(c) DEFINITION.—The term "revision five of the Littoral Combat Ship acquisition strategy" means the fifth revision of the Littoral Combat Ship acquisition strategy approved by the Under Secretary of Defense for Acquisition and Sustainment on March 26, 2018.

SEC. 127. NUCLEAR REFUELING OF AIRCRAFT CARRIERS.

(a) AUTHORIZATION TO PROCURE NUCLEAR REFUELING MATERIALS.—Pursuant to section 7314a of title 10, United States Code, as added by section 1014 of this Act, the Secretary of the Navy may procure naval nuclear reactor power units and associated reactor components for the following aircraft carriers:

(1) U.S.S. John C. Stennis (CVN–74).

(2) U.S.S. Harry S. Truman (CVN–75).

(3) U.S.S. Ronald Reagan (CVN–76).

(4) U.S.S. George H.W. Bush (CVN–77).

(b) CONDITION FOR OUT-YEAR PAYMENTS.—Any contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to availability of appropriations for that purpose for that later fiscal year.

SEC. 128. LIMITATION ON FUNDING FOR AMPHIBIOUS ASSAULT VEHICLE PRODUCT IMPROVEMENT PROGRAM.

Not more than 75 percent of the funds authorized by this Act or otherwise made available for the Marine Corps for fiscal year 2019 for the Amphibious Assault Vehicle Product Improvement Program (AAV PIP) may be obligated or expended until the Secretary of Defense has submitted to the congressional defense committees—

(1) the report required under subsection (b) of section 1041; or

(2) the information required under paragraph (5) of such subsection.

Subtitle D—Air Force Programs

SEC. 141. PROHIBITION ON AVAILABILITY OF FUNDS FOR RETIREMENT OF E–8 JSTARS AIRCRAFT.

(a) PROHIBITION ON AVAILABILITY OF FUNDS FOR RETIREMENT.—Except as provided by subsection (d), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the Air Force may be obligated or expended to retire, or prepare to retire, any E–8 Joint Surveillance Target Attack Radar System aircraft.

(b) ADDITIONAL LIMITATION ON RETIREMENT.—

(1) IN GENERAL.—In addition to the prohibition in subsection (a), the Secretary of the Air Force may

not retire, or prepare to retire, any E–8C aircraft until the Under Secretary of Defense for Acquisition and Sustainment submits to the congressional defense committees the certification described under paragraph (2).

(2) REQUIRED CERTIFICATION.—The certification referred to in paragraph (1) is a certification submitted by the Under Secretary of Defense for Acquisition and Sustainment to the congressional defense committees that the Department of Defense's plan for 21st Century Battle Management Command and Control, as briefed to the congressional defense committees in March 2018, is progressing according to the schedule presented in March 2018.

(c) EXCEPTION.—The prohibitions in subsections (a) and (b) shall not apply to individual E–8 Joint Surveillance Target Attack Radar System aircraft that the Secretary of the Air Force determines, on a case-by-case basis, to be nonoperational because of mishaps, other damage, or being uneconomical to repair.

SEC. 142. B–52H AIRCRAFT SYSTEM MODERNIZATION REPORT.

Not later than 180 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 long

term modernization of the B–52H aircraft, including an estimated timeline and requirements as an integrated aircraft system of—

(1) electronic warfare and defensive systems;

(2) communications including secure jam resistant capability;

(3) radar replacement;

(4) engine replacement;

(5) future weapons and targeting capability; and

(6) mission planning systems.

SEC. 143. REPEAL OF FUNDING RESTRICTION FOR EC–130H COMPASS CALL RECAPITALIZATION PROGRAM AND REVIEW OF PROGRAM ACCELERATION OPPORTUNITIES.

(a) REPEAL.—Section 131 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2037) is repealed.

(b) PERIODIC REPORTS REQUIRED.—

(1) IN GENERAL.—Not later than December 30, 2018, June 30, 2019, and December 30, 2019, the Secretary of the Air Force shall submit to the congressional defense committees a series of updated program status reports for the EC–130H Compass Call Recapitalization Program.

(2) ELEMENTS.—The reports required under paragraph (1) shall include—

(A) a program status update describing progress in meeting current and future acquisition milestones;

(B) a description of opportunities to accelerate the program in fiscal years 2020 and 2021;

(C) a description of long-lead items or other block buy components that could reduce cost and lead to acceleration of the program;

(D) funding requirements to carry out program acceleration in order to replace the legacy EC–130H fleet as rapidly as possible; and

(E) a description of how the EC–130H Compass Call Recapitalization Program—

(i) meets the requirements of combatant commanders; and

(ii) is more operationally effective and survivable than the existing EC–130H Compass Call aircraft platform.

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

SEC. 151. MULTIYEAR PROCUREMENT AUTHORITY FOR C–130J AIRCRAFT PROGRAM.

(a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—Subject to section 2306b of title 10, United States Code, the Secretary of the Air Force may enter into one or more multiyear contracts, beginning with the fiscal year 2019 program year, for the procurement of C–130J aircraft and, acting as the executive agent for the Department of the Navy, for the procurement of C–130J aircraft.

(b) AUTHORITY FOR ADVANCE PROCUREMENT AND ECONOMIC ORDER QUANTITY.—The Secretary of the Air Force may enter into one or more contracts for advance procurement associated with the C–130J aircraft, including economic order quantity, for which authorization to enter into a multiyear procurement contract is provided under subsection (a).

(c) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations for that purpose for such later fiscal year.

(d) TREATMENT OF FISCAL YEAR 2018 AIRCRAFT.—The multiyear contract authority under subsection (a) includes C–130J aircraft for which funds were appropriated for fiscal year 2018.

SEC. 152. QUARTERLY UPDATES ON THE F–35 JOINT STRIKE FIGHTER PROGRAM.

(a) IN GENERAL.—Beginning not later than October 1, 2018, and on a quarterly basis thereafter through October 1, 2024, the Under Secretary of Defense for Acquisition and Sustainment shall provide to the congressional defense committees a briefing on the progress of the F–35 Joint Strike Fighter program.

(b) ELEMENTS.—Each briefing under subsection (a) shall include, with respect to the F–35 Joint Strike Fighter program, the following elements:

(1) An overview of the program schedule.

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

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

(A) modernization;

(B) modification;

(C) testing;

(D) delivery;

(E) sustainment; and

(F) program management.

SEC. 153. AUTHORITY TO PROCURE ADDITIONAL POLAR-CLASS ICEBREAKERS.

Section 122 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended—

*(1) in the section heading, by striking "**ICEBREAKER VESSEL**" and inserting "**AUTHORIZATION TO PROCURE UP TO SIX POLAR-CLASS ICEBREAKERS**";*

(2) by striking subsections (a) and (b);

(3) by inserting before subsection (c) the following new subsection:

"(a) AUTHORITY TO PROCURE ICEBREAKERS.—The Secretary of the department in which the Coast Guard is operating may, in consultation with the Secretary of the Navy, enter into a contract or contracts for the procurement of up to six polar-class icebreakers, including—

"(1) polar-class heavy icebreakers; and

"(2) polar-class medium icebreakers.";

(4) by redesignating subsections (c) and (d) as subsections (b) and (c), respectively; and

(5) in paragraph (1) of subsection (b), as redesignated by paragraph (4) of this section, by striking "subsection (a)(1)" and inserting "subsection (a)".

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 2019 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. CODIFICATION AND REAUTHORIZATION OF DEFENSE RESEARCH AND DEVELOPMENT RAPID INNOVATION PROGRAM.

(a) CODIFICATION.—

(1) IN GENERAL.—Chapter 139 of title 10, United States Code, is amended by inserting after section 2359 the following new section:

"§ 2359a. Defense Research and Development Rapid Innovation Program

"(a) PROGRAM ESTABLISHED.—(1) The Secretary of Defense shall establish a competitive, merit-based program to accelerate the fielding of technologies developed pursuant to phase II Small Business Innovation Research Program

projects, technologies developed by the defense laboratories, and other innovative technologies (including dual use technologies).

"(2) The purpose of this program is to stimulate innovative technologies and reduce acquisition or lifecycle costs, address technical risks, improve the timeliness and thoroughness of test and evaluation outcomes, and rapidly insert such products directly in support of primarily major defense acquisition programs, but also other defense acquisition programs that meet critical national security needs.

"(b) GUIDELINES.—The Secretary shall issue guidelines for the operation of the program. At a minimum such guidance shall provide for the following:

"(1) The issuance of one or more broad agency announcements or the use of any other competitive or merit-based processes by the Department of Defense for candidate proposals in support of defense acquisition programs as described in subsection (a).

"(2) The review of candidate proposals by the Department of Defense and by each military department and the merit-based selection of the most promising cost-effective proposals for funding through contracts, cooperative agreements, and other transactions for the purposes of carrying out the program.

"(3) The total amount of funding provided to any project under the program from funding provided under subsection (d) shall not exceed $3,000,000, unless the Secretary, or the Secretary's designee, approves a larger amount of funding for the project.

"(4) No project shall receive more than a total of two years of funding under the program from funding provided under subsection (d), unless the Secretary, or the Secretary's designee, approves funding for any additional year.

"(5) Mechanisms to facilitate transition of follow-on or current projects carried out under the program into defense acquisition programs, through the use of the authorities of section 2302e of this title or such other authorities as may be appropriate to conduct further testing, low rate production, or full rate production of technologies developed under the program.

"(6) Projects are selected using merit-based selection procedures and the selection of projects is not subject to undue influence by Congress or other Federal agencies.

"(c) TREATMENT PURSUANT TO CERTAIN CONGRESSIONAL RULES.—Nothing in this section shall be interpreted to require or enable any official of the Department

of Defense to provide funding under this section to any earmark as defined pursuant to House Rule XXI, clause 9, or any congressionally directed spending item as defined pursuant to Senate Rule XLIV, paragraph 5.

"(d) FUNDING.—Subject to the availability of appropriations for such purpose, the amounts authorized to be appropriated for research, development, test, and evaluation for a fiscal year may be used for such fiscal year for the program established under subsection (a).

"(e) TRANSFER AUTHORITY.—(1) The Secretary may transfer funds available for the program to the research, development, test, and evaluation accounts of a military department, defense agency, or the unified combatant command for special operations forces pursuant to a proposal, or any part of a proposal, that the Secretary determines would directly support the purposes of the program.

"(2) The transfer authority provided in this subsection is in addition to any other transfer authority available to the Department of Defense.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 139 of such title is amended by inserting after the item relating to section 2359 the following new item:

"2359a. Defense Research and Development Rapid Innovation Program.".

(b) CONFORMING AMENDMENTS.—

(1) REPEAL OF OLD PROVISION.—Section 1073 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2359 note) is hereby repealed.

(2) REPEAL OF OLD TABLE OF CONTENTS ITEM.—The table of contents in section 2(b) of such Act is amended by striking the item relating to section 1073.

SEC. 212. PROCEDURES FOR RAPID REACTION TO EMERGING TECHNOLOGY.

(a) REQUIREMENT TO ESTABLISH PROCEDURES.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Research and Engineering shall prescribe procedures for the designation and development of technologies that are—

(1) urgently needed—

(A) to react to a technological development of an adversary of the United States; or

(B) to respond to a significant and urgent emerging technology; and

(2) not receiving appropriate research funding or attention from the Department of Defense.

(b) ELEMENTS.—The procedures prescribed under subsection (a) shall include the following:

(1) A process for streamlined communications between the Under Secretary, the Joint Chiefs of Staff, the commanders of the combatant commands, the science and technology executives within each military department, and the science and technology community, including—

(A) a process for the commanders of the combatant commands and the Joint Chiefs of Staff to communicate their needs to the science and technology community; and

(B) a process for the science and technology community to propose technologies that meet the needs communicated by the combatant commands and the Joint Chiefs of Staff.

(2) Procedures for the development of technologies proposed pursuant to paragraph (1)(B), including—

(A) a process for demonstrating performance of the proposed technologies on a short timeline;

(B) a process for developing a development strategy for a technology, including integration into future budget years; and

(C) a process for making investment determinations based on information obtained pursuant to subparagraphs (A) and (B).

SEC. 213. ACTIVITIES ON IDENTIFICATION AND DEVELOPMENT OF ENHANCED PERSONAL PROTECTIVE EQUIPMENT AGAINST BLAST INJURY.

(a) ACTIVITIES REQUIRED.—

(1) IN GENERAL.—During fiscal years 2019 and 2020, the Secretary of the Army shall carry out a set of activities to identify and develop personal equipment to provide enhanced protection against injuries caused by blasts in combat and training.

(2) ACTION WITH DOTE.—The Secretary shall undertake all actions required of the Secretary under this section jointly with the Director of Operational Test and Evaluation.

(b) ACTIVITIES.—

(1) CONTINUOUS EVALUATION PROCESS.—For purposes of the activities required by subsection (a), the Secretary shall establish a process to continuously solicit from government, industry, academia, and other appropriate entities personal protective equipment that is ready for testing and evaluation in order to identify and evaluate equipment or clothing that is more effective in protecting members of the Armed

Forces from the harmful effects of blast injuries, including traumatic brain injuries, and would be suitable for expedited procurement and fielding.

(2) GOALS.—The goals of the activities shall include:

(A) Development of streamlined requirements for procurement of personal protective equipment.

(B) Appropriate testing of personal protective equipment prior to procurement and fielding.

(C) Development of expedited mechanisms for deployment of effective personal protective equipment.

(D) Identification of areas of research in which increased investment has the potential to improve the quality of personal protective equipment and the capability of the industrial base to produce such equipment.

(E) Such other goals as the Secretary considers appropriate.

(3) PARTNERSHIPS FOR CERTAIN ASSESSMENTS.—As part of the activities, the Secretary shall establish research partnerships with appropriate aca-

demic institutions for purposes of assessing the following:

(A) The ability of various forms of personal protective equipment to protect against common blast injuries, including traumatic brain injuries.

(B) The value of real-time data analytics to track the effectiveness of various forms of personal protective equipment to protect against common blast injuries, including traumatic brain injuries.

(C) The availability of commercial-off the-shelf personal protective technology to protect against traumatic brain injury resulting from blasts.

(D) The extent to which the equipment determined through the assessment to be most effective to protect against common blast injuries is readily modifiable for different body types and to provide lightweight material options to enhance maneuverability.

(c) AUTHORITIES.—In carrying out activities under subsection (a), the Secretary may use any authority as follows:

(1) Experimental procurement authority under section 2373 of title 10, United States Code.

(2) Other transactions authority under section 2371 and 2371b of title 10, United States Code.

(3) Authority to award technology prizes under section 2374a of title 10, United States Code.

(4) Authority under the Defense Acquisition Challenge Program under section 2359b of title 10, United States Code.

(5) Any other authority on acquisition, technology transfer, and personnel management that the Secretary considers appropriate.

(d) CERTAIN TREATMENT OF ACTIVITIES.—Any activities under this section shall be deemed to have been through the use of competitive procedures for the purposes of section 2304 of title 10, United States Code.

(e) ON-GOING ASSESSMENT FOLLOWING ACTIVITIES.—After the completion of activities under subsection (a), the Secretary shall, on an on-going basis, do the following:

(1) Evaluate the extent to which personal protective equipment identified through the activities would—

(A) enhance survivability of personnel from blasts in combat and training; and

(B) enhance prevention of brain damage, and reduction of any resultant chronic brain dysfunction, from blasts in combat and training.

(2) In the case of personal protective equipment so identified that would provide enhancements as described in paragraph (1), estimate the costs that would be incurred to procure such enhanced personal protective equipment, and develop a schedule for the procurement of such equipment.

(3) Estimate the potential health care cost savings that would occur from expanded use of personal protective equipment described in paragraph (2).

(f) REPORTS.—

(1) INITIAL REPORT.—Not later than December 1, 2019, the Secretary shall submit to the Committee on Armed Services of the Senate and the House of Representatives a report on the activities under subsection (a) as of the date of the report.

(2) FINAL REPORT.—Not later than December 1, 2020, the Secretary shall submit to the committees of Congress referred to in paragraph (1) a report on the activities under this section, including the following:

(A) The results of the evaluation under subsection (e)(1).

(B) The estimate of costs and schedules under subsection (e)(2).

(g) FUNDING.—Of the amount authorized to be appropriated for fiscal year 2019 for the Department of Defense by section 201, up to $10,000,000 may be available to carry out this section.

SEC. 214. HUMAN FACTORS MODELING AND SIMULATION ACTIVITIES.

(a) ACTIVITIES REQUIRED.—The Secretary of the Army shall develop and provide for the carrying out of human factors modeling and simulation activities designed to do the following:

(1) Provide warfighters and civilians with personalized assessment, education, and training tools.

(2) Identify and implement effective ways to interface and team warfighters with machines.

(3) Result in the use of intelligent, adaptive augmentation to enhance decision making.

(4) Result in the development of techniques, technologies, and practices to mitigate critical stressors that impede warfighter and civilian protection, sustainment, and performance.

(b) PURPOSE.—The overall purpose of the activities shall be to accelerate research and development that en-

hances capabilities for human performance, human-systems integration, and training for the warfighter.

(c) PARTICIPANTS IN ACTIVITIES.—Participants in the activities may include the following:

(1) Elements of the Department of Defense engaged in science and technology activities.

(2) Program Executive Offices of the Department.

(3) Academia.

(4) The private sector.

(5) Such other participants as the Secretary considers appropriate.

(d) EXECUTION.—The Secretary shall carry out this section through the Army Futures Command, the Army Research Institute, or such other component of the Department of the Army as the Secretary considers appropriate.

SEC. 215. EXPANSION OF MISSION AREAS SUPPORTED BY MECHANISMS FOR EXPEDITED ACCESS TO TECHNICAL TALENT AND EXPERTISE AT ACADEMIC INSTITUTIONS.

Section 217(e) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2358 note) is amended—

(1) by redesignating paragraph (23) as paragraph (27); and

(2) by inserting after paragraph (22) the following new paragraphs:

"(23) Space.

"(24) Infrastructure resilience.

"(25) Photonics.

"(26) Autonomy.".

SEC. 216. ADVANCED MANUFACTURING ACTIVITIES.

(a) DESIGNATION.—The Under Secretary of Defense for Acquisition and Sustainment and the Under Secretary of Defense for Research and Engineering shall jointly, in coordination with Secretaries of the military departments, establish not less than three activities to demonstrate advanced manufacturing techniques and capabilities at depot-level activities or military arsenal facilities of the military departments.

(b) PURPOSES.—The activities established pursuant to subsection (a) shall—

(1) support efforts to implement advanced manufacturing techniques and capabilities;

(2) identify improvements to sustainment methods for component parts and other logistics needs;

(3) identify and implement appropriate information security protections to ensure security of advanced manufacturing;

(4) aid in the procurement of advanced manufacturing equipment and support services; and

(5) enhance partnerships between the defense industrial base and Department of Defense laboratories, academic institutions, and industry.

(c) COOPERATIVE AGREEMENTS AND PARTNERSHIPS.—

(1) IN GENERAL.—The Under Secretaries may enter into a cooperative agreement and use public-private and public-public partnerships to facilitate development of advanced manufacturing techniques in support of the defense industrial base.

(2) REQUIREMENTS.—A cooperative agreement entered into under paragraph (1) and a partnership used under such paragraph shall facilitate—

(A) development and implementation of advanced manufacturing techniques and capabilities;

(B) appropriate sharing of information in the adaptation of advanced manufacturing, including technical data rights; and

(C) implementation of appropriate information security protections into advanced manufacturing tools and techniques.

(d) AUTHORITIES.—In carrying out this section, the Under Secretaries may use the following authorities:

(1) Section 2196 of title 10, United States Code, relating to the Manufacturing Engineering Education Program.

(2) Section 2368 of such title, relating to centers for science, technology, and engineering partnership.

(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.

(6) 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.

(7) Such other authorities as the Under Secretaries considers appropriate.

SEC. 217. NATIONAL SECURITY INNOVATION ACTIVITIES.

(a) ESTABLISHMENT.—The Under Secretary of Defense for Research and Engineering shall establish activities to develop interaction between the Department of Defense and the commercial technology industry and academia with

regard to emerging hardware products and technologies with national security applications.

(b) ELEMENTS.—The activities required by subsection (a) shall include the following:

(1) Informing and encouraging private investment in specific hardware technologies of interest to future defense technology needs with unique national security applications.

(2) Funding research and technology development in critical hardware-based defense sectors, specifically microelectromechanical systems, processing components, micromachinery, and materials science that private industry has not supported sufficiently to meet rapidly emerging national security needs.

(3) Developing and executing policies and actions to deter strategic acquisition of industrial and technical capabilities in the private sector by foreign entities that could potentially exclude companies from participating in the Department of Defense technology and industrial base.

(4) Identifying promising emerging technology in industry and academia for the Department of Defense for potential support or research and development cooperation.

(c) TRANSFER OF PERSONNEL AND RESOURCES.—

(1) IN GENERAL.—Subject to paragraph (2), the Under Secretary may transfer such personnel, resources, and authorities as the Under Secretary considers appropriate to carry out the activities established under subsection (a) from other elements of the Department.

(2) CERTIFICATION.—The Under Secretary may only make a transfer of personnel, resources, or authorities under paragraph (1) upon certification by the Under Secretary that the activities established under paragraph (a) can attract sufficient private sector investment, has personnel with sufficient technical and management expertise, and has identified relevant technologies and systems for potential investment in order to carry out the activities established under subsection (a), independent of further government funding beyond this authorization.

(d) ESTABLISHMENT OF NONPROFIT ENTITY.—The Under Secretary may establish or fund a nonprofit entity to carry out the program activities under subsection (a).

(e) PLAN.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Under Secretary shall submit to the congressional defense committees a detailed plan to carry out this section.

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

(A) A description of the additional authorities needed to carry out the activities set forth in subsection (b).

(B) Plans for transfers under subsection (c), including plans for private fund-matching and investment mechanisms, oversight, treatment of rights relating to technical data developed, and relevant dates and goals of such transfers.

(C) Plans for attracting the participation of the commercial technology industry and academia and how those plans fit into the current Department of Defense research and engineering enterprise.

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

(1) Section 1711 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), relating to a pilot program on strengthening manufacturing in the defense industrial base.

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

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

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

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

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

(7) Subchapter VI of chapter 33 of title 5, United States Code, relating to assignments to and from States.

(8) Chapter 47 of such title, relating to personnel research programs and demonstration projects.

(9) 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.

(10) Such other authorities as the Under Secretary considers appropriate.

(g) FUNDING.—Of the amount authorized to be appropriated for fiscal year 2019 for the Department of Defense by section 201 and subject to the availability of appropriations, up to $150,000,000 may be available to carry out this section.

SEC. 218. PARTNERSHIP INTERMEDIARIES FOR PROMOTION OF DEFENSE RESEARCH AND EDUCATION.

Section 2368 of title 10, United States Code, is amended—

(1) by redesignating subsections (f) and (g) as subsections (g) and (h), respectively; and

(2) by inserting after subsection (e) the following new subsection (f):

"(f) USE OF PARTNERSHIP INTERMEDIARIES TO PROMOTE DEFENSE RESEARCH AND EDUCATION.—(1) Subject to the approval of the Secretary or the head of the another department or agency of the Federal Government concerned, the Director of a Center may enter into a contract, memorandum of understanding or other transition with a partnership intermediary that provides for the partnership intermediary to perform services for the Department of Defense that increase the likelihood of success in the conduct of cooperative or joint activities of the Center with industry or academic institutions.

"(2) In this subsection, the term 'partnership intermediary' means an agency of a State or local government, or a nonprofit entity owned in whole or in part by, chartered by, funded in whole or in part by, or operated in whole or in part by or on behalf of a State or local government, that assists, counsels, advises, evaluates, or otherwise cooperates with industry or academic institutions that need

or can make demonstrably productive use of technology-related assistance from a Center.".

SEC. 219. LIMITATION ON USE OF FUNDS FOR SURFACE NAVY LASER WEAPON SYSTEM.

(a) LIMITATION.—None of the funds authorized to be appropriated or otherwise made available by this Act may be used to exceed a procurement quantity of one Surface Navy Laser Weapon System, also known as the High Energy Laser and Integrated Optical-dazzler with Surveillance (HELIOS), per fiscal year, unless the Secretary of the Navy submits to the congressional defense committees a report on such system with the elements set forth in subsection (b).

(b) ELEMENTS.—The elements set forth in this subsection are, with respect to the system described in subsection (a), the following:

(1) A document setting forth the requirements for the system, including desired performance characteristics.

(2) An acquisition plan that includes the following:

(A) A program schedule to accomplish design completion, technology maturation, risk reduction, and other activities, including dates of key design reviews (such as Preliminary Design

Review and Critical Design Review) and program initiation decision (such as Milestone B) if applicable.

(B) A contracting strategy, including requests for proposals, the extent to which contracts will be competitively awarded, option years, option quantities, option prices, and ceiling prices.

(C) The fiscal years of procurement and delivery for each engineering development model, prototype, or similar unit planned to be acquired.

(D) A justification for the fiscal years of procurement and delivery for each engineering development model, prototype, or similar unit planned to be acquired.

(3) A test plan and schedule sufficient to achieve operational effectiveness and operational suitability determinations (such as Early Operational Capability and Initial Operational Capability) related to the requirements set forth in paragraph (1).

(4) Associated funding and item quantities, disaggregated by fiscal year and appropriation, requested in the Fiscal Year 2019 Future Years Defense Program.

(5) An estimate of the acquisition costs, including the total costs for procurement, research, development, test, and evaluation.

SEC. 220. EXPANSION OF COORDINATION REQUIREMENT FOR SUPPORT FOR NATIONAL SECURITY INNOVATION AND ENTREPRENEURIAL EDUCATION.

Section 225(e) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by adding at the end the following new paragraph:

"(16) The National Security Technology Accelerator.".

SEC. 221. LIMITATION ON FUNDING FOR AMPHIBIOUS COMBAT VEHICLE 1.2.

None of the funds authorized by this Act or otherwise made available for the Marine Corps for fiscal year 2019 for the development of Amphibious Combat Vehicle 1.2 may be obligated or expended until the Secretary of Defense has submitted to the congressional defense committees—

(1) the report required under subsection (b) of section 1041; or

(2) the information required under paragraph (5) of such subsection.

SEC. 222. DEFENSE QUANTUM INFORMATION SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT PROGRAM.

(a) ESTABLISHMENT.—The Secretary of Defense shall carry out a quantum information science and technology research and development program.

(b) PURPOSES.—The purposes of the program required by subsection (a) are as follows:

(1) To ensure global superiority of the United States in quantum information science necessary for meeting national security requirements.

(2) To coordinate all quantum information science and technology research and development within the Department of Defense and to provide for interagency cooperation and collaboration on quantum information science and technology research and development between the Department of Defense and other departments and agencies of the United States and appropriate private sector entities that are involved in quantum information science and technology research and development.

(3) To develop and manage a portfolio of fundamental and applied quantum information science and technology and engineering research initiatives that is stable, consistent, and balanced across scientific disciplines.

(4) To accelerate the transition and deployment of technologies and concepts derived from quantum information science and technology research and development into the Armed Forces, and to establish policies, procedures, and standards for measuring the success of such efforts.

(5) To collect, synthesize, and disseminate critical information on quantum information science and technology research and development.

(6) To establish and support appropriate research, innovation, and industrial base, including facilities and infrastructure, to support the needs of Department of Defense missions and systems related to quantum information science and technology.

(c) ADMINISTRATION.—In carrying out the program required by subsection (a), the Secretary shall act through the Under Secretary of Defense for Research and Engineering, who shall supervise the planning, management, and coordination of the program. The Under Secretary, in consultation with the Secretaries of the military departments and the heads of participating Defense Agencies and other departments and agencies of the United States, shall—

(1) prescribe a set of long-term challenges and a set of specific technical goals for the program, including—

(A) optimization of analysis of national security data sets;

(B) design of new materials and molecular functions;

(C) secure communications and cryptography;

(D) quantum sensing and metrology;

(E) development of mathematics to support defense missions related to quantum-based encryption techniques; and

(F) processing and manufacturing of low-cost, robust, and reliable quantum information science and technology-enabled devices and systems;

(2) develop a coordinated and integrated research and investment plan for meeting the near-, mid-, and long-term challenges with definitive milestones while achieving the specific technical goals that builds upon the Department's increased investment in quantum information science and technology research and development, commercial sector and global investments, and other United States Government investments in the quantum sciences;

(3) not later than 180 days after the date of the enactment of this Act, develop and continuously up-

date guidance, including classification and data management plans for defense-related quantum information science and technology activities, and policies for control of personnel participating on such activities to minimize the effects of loss of intellectual property in basic and applied quantum science and information considered sensitive to the leadership of the United States in the field of quantum computing; and

(4) develop memoranda of agreement, joint funding agreements, and other cooperative arrangements necessary for meeting the long-term challenges and achieving the specific technical goals.

(d) REPORT.—Not later than December 31, 2020, the Under Secretary of Defense for Research and Engineering shall submit to the congressional defense committees a report on the program, in both classified and unclassified format.

SEC. 223. JOINT DIRECTED ENERGY TEST ACTIVITIES.

(a) TEST ACTIVITIES.—The Under Secretary of Defense for Research and Engineering shall develop, establish, and coordinate directed energy testing activities adequate to ensure the achievement by the Department of Defense of goals of the Department for developing and deploying directed energy systems to match national security needs.

(b) ELEMENTS.—The activity established under subsection (a) shall include the following:

(1) The High Energy Laser System Test Facility of the Army Test and Evaluation Command.

(2) Such other test resources and activities as the Under Secretary may designate for purposes of this section.

(c) DESIGNATION.—The test activities established under subsection (a) shall be considered part of the Major Range and Test Facility Base (as defined in 196(i) of title 10, United States Code).

(d) DIRECTION AND CONTROL.—The conduct of testing activities under subsection (a) shall be subject to authority, direction, and control of the Under Secretary in the Under Secretary's capacity as the official with principal responsibility for the development and demonstration of directed energy weapons for the Department pursuant to section 219(a)(1) of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. 2431 note).

(e) PRIORITIZATION OF EFFORT.—In developing and coordinating testing activities pursuant to subsection (a), the Under Secretary shall prioritize efforts consistent with the following:

(1) Paragraphs (2) through (5) of section 219(a) of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. 2431 note).

(2) Enabling the standardized collection and evaluation of testing data to establish testing references and benchmarks.

(3) Concentrating sufficient personnel expertise of directed energy weapon systems in order to validate the effectiveness of new weapon systems against a variety of targets.

(4) Consolidating modern state-of-the-art testing infrastructure including telemetry, sensors, and optics to support advanced technology testing and evaluation.

(5) Formulating a joint lethality or vulnerability information repository that can be accessed by any of the military departments of Defense Agencies, similar to a Joint Munitions Effectiveness Manuals (JMEMs).

(6) Reducing duplication of directed energy weapon testing.

(7) Ensuring that an adequate workforce and adequate testing facilities are maintained to support missions of the Department of Defense.

SEC. 224. REQUIREMENT FOR ESTABLISHMENT OF ARRANGEMENTS FOR EXPEDITED ACCESS TO TECHNICAL TALENT AND EXPERTISE AT ACADEMIC INSTITUTIONS TO SUPPORT DEPARTMENT OF DEFENSE MISSIONS.

(a) IN GENERAL.—Subsection (a)(1) of section 217 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by striking "may" and inserting "shall".

(b) EXTENSION.—Subsection (f) of such section is amended by striking "September 30, 2020" and inserting "September 30, 2022".

SEC. 225. AUTHORITY FOR JOINT DIRECTED ENERGY TRANSITION OFFICE TO CONDUCT RESEARCH RELATING TO HIGH POWERED MICROWAVE CAPABILITIES.

Section 219(b)(3) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2431 note) is amended by inserting ", including high-powered microwaves," after "energy systems and technologies".

SEC. 226. JOINT ARTIFICIAL INTELLIGENCE RESEARCH, DEVELOPMENT, AND TRANSITION ACTIVITIES.

(a) ESTABLISHMENT.—

(1) IN GENERAL.—The Secretary of Defense shall establish a set of activities within the Department of

Defense to coordinate the efforts of the Department to develop, mature, and transition artificial intelligence technologies into operational use.

(2) EMPHASIS.—The set of activities established under paragraph (1) shall apply artificial intelligence and machine learning solutions to operational problems and coordinate activities involving artificial intelligence and artificial intelligence enabled capabilities within the Department.

(b) DESIGNATION.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall designate a senior official of the Department of Defense with principal responsibility for the coordination of activities relating to the development and demonstration of artificial intelligence and machine learning for the Department.

(c) DUTIES.—The duties of the official designated under subsection (b) shall include the following:

(1) STRATEGIC PLAN.—Developing a detailed strategic plan to develop, mature, adopt, and transition artificial intelligence technologies into operational use. Such plan shall include the following:

(A) A strategic roadmap for the identification and coordination of the development and

fielding of artificial intelligence technologies and key enabling capabilities.

(B) The continuous evaluation and adaptation of relevant artificial intelligence capabilities developed both inside the Department and in other organizations for military missions.

(2) ACCELERATION OF DEVELOPMENT AND FIELDING OF ARTIFICIAL INTELLIGENCE.—To the degree practicable, the designated official shall—

(A) use the flexibility of regulations, personnel, or other relevant policies of the Department to accelerate the development and fielding of artificial intelligence capabilities;

(B) ensure engagement with defense and private industries, research universities, and unaffiliated, nonprofit research institutions;

(C) provide technical advice and support to entities in the Department of Defense and the military departments to optimize the use of artificial intelligence and machine learning technologies to meet Department missions;

(D) support the development of requirements for artificial intelligence capabilities that address the highest priority capability gaps of the Department and technical feasibility;

(E) develop and support capabilities for technical analysis and assessment of threat capabilities based on artificial intelligence;

(F) ensure that the Department has appropriate workforce and capabilities at laboratories, test ranges, and within the organic defense industrial base to support the artificial intelligence capabilities and requirements of the Department;

(G) develop classification guidance for all artificial intelligence related activities of the Department;

(H) work with appropriate officials to develop appropriate ethical, legal, and other policies for the Department governing the development and use of artificial intelligence enabled systems and technologies in operational situations; and

(I) ensure—

(i) that artificial intelligence programs of each military department and of the Defense Agencies are consistent with the priorities identified under this section; and

(ii) appropriate coordination of artificial intelligence activities of the Department with interagency, industry, and inter-

national efforts relating to artificial intelligence, including relevant participation in standards setting bodies.

(d) ACCESS TO INFORMATION.—The Secretary of Defense shall ensure that the official designated under subsection (b) has access to such information on programs and activities of the military departments and other Defense Agencies as the Secretary considers appropriate to carry out the coordination described in subsection (b) and the duties set forth in subsection (c).

(e) STUDY ON ARTIFICIAL INTELLIGENCE TOPICS.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the official designated under subsection (b) shall—

(A) complete a study on the future of artificial intelligence in the context of the missions of the Department; and

(B) submit to the congressional defense committees a report on the findings of the designated official with respect to the study completed under subparagraph (A).

(2) CONSULTATION WITH EXPERTS.—In conducting the study required by paragraph (1)(A), the designated official shall consult with experts within the Department, other Federal agencies, academia,

and the commercial sector, as the Secretary considers appropriate.

(3) ELEMENTS.—The study required by paragraph (1)(A) shall include the following:

(A) A comprehensive and national-level review of advances in artificial intelligence and machine learning, and associated technologies relevant to the needs of the Department and the Armed Forces.

(B) Near-term actionable recommendations to the Secretary, including ways to more effectively organize the Department for artificial intelligence and most effectively leverage academic and commercial progress in these technologies.

(C) Recommendations for engagement by the Department with relevant agencies that will be involved with artificial intelligence in the future.

Subtitle C—Reports and Other Matters

SEC. 231. REPORT ON COMPARATIVE CAPABILITIES OF ADVERSARIES IN KEY TECHNOLOGY AREAS.

(a) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Director of the Defense Intelligence Agency shall submit to the Committees on

Armed Services of the Senate and the House of Representatives a report that sets forth a direct comparison between the capabilities of the United States in emerging technology areas (such as hypersonics, artificial intelligence, quantum information science, and directed energy weapons) and the capabilities of adversaries of the United States in such areas.

(b) ELEMENTS.—The report required by subsection (a) shall include, for each technology covered by such report, the following:

(1) An evaluation of spending by the United States and adversaries on such technology.

(2) An evaluation of the quantity and quality of research on such technology.

(3) An evaluation of the test infrastructure and workforce supporting such technology.

(4) An assessment of the technological progress of the United States and adversaries on such technology.

(5) Descriptions of timelines for operational deployment of such technology.

(6) An assessment of the intent or willingness of adversaries to use such technology.

(c) COORDINATION.—The Director shall prepare the report in coordination with other appropriate officials of the intelligence community and with such other partners in the

technology areas covered by the report as the Director considers appropriate.

SEC. 232. REPORT ON ACTIVE PROTECTION SYSTEMS FOR ARMORED COMBAT AND TACTICAL VEHICLES.

(a) REPORT REQUIRED.—Not later than 60 days after the date of the enactment of this Act, the Secretary of the Army shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on technologies related to active protection systems (APS) for armored combat and tactical vehicles.

(b) CONTENTS.—The report required by subsection (a) shall include the following:

(1) With respect to the active protection systems that the Army has recently tested on the M1A2 Abrams, the M2A3 Bradley, and the STRYKER, the following:

(A) An assessment of the effectiveness of such systems.

(B) Plans of the Secretary to further test such systems.

(C) Proposals for future development of such systems.

(D) A timeline for fielding such systems.

(2) Plans for how the Army will incorporate active protection systems into new armored combat and

tactical vehicle designs, such as Mobile Protection Firepower (MPF), Armored Multi-Purpose Vehicle (AMPV), and Next Generation Combat Vehicle (NGCV).

SEC. 233. NEXT GENERATION COMBAT VEHICLE.

(a) PROTOTYPE.—The Secretary of the Army shall take appropriate actions to ensure that the Tank Automotive, Research, Development, and Engineering Center (TARDEC) of the Army is provided the resources, including funds and acquisition authorities, necessary to build a prototype for the Next Generation Combat Vehicle (NGCV).

(b) REPORT.—

(1) IN GENERAL.—Not later than 60 days after the date of the enactment of this Act, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the development of the Next Generation Combat Vehicle.

(2) ANALYSIS.—

(A) IN GENERAL.—The report required by paragraph (1) shall include a thorough analysis of the requirements of the Next Generation Combat Vehicle.

(B) RELEVANCE TO NATIONAL DEFENSE STRATEGY.—In carrying out subparagraph (A),

the Secretary shall ensure that the requirements are relevant to the most recently published National Defense Strategy.

(C) THREATS AND TERRAIN.—The Secretary shall ensure that the analysis includes consideration of threats and terrain.

(D) COMPONENT TECHNOLOGIES.—The Secretary shall ensure that the analysis includes consideration of the latest enabling component technologies that have the potential to dramatically change basic combat vehicle design and improve lethality, protection, mobility, range, and sustainment.

(c) LIMITATION.—Of the funds authorized to be appropriated for fiscal year 2019 by section 201 and available for research, development, testing, and evaluation, Army, for the Next Generation Combat Vehicle, not more than 50 percent may be obligated or expended until the Secretary submits the report required by subsection (b).

SEC. 234. REPORT ON THE FUTURE OF THE DEFENSE RESEARCH AND ENGINEERING ENTERPRISE.

(a) REPORT REQUIRED.—Not later than one year after the date of the enactment of this Act, the Under Secretary of Defense for Research and Engineering shall submit to the Committees on Armed Services of the Senate and

the House of Representatives a report setting forth recommendations on the future of the defense research and engineering enterprise, including such recommendations for legislative or administrative action as the Under Secretary considers appropriate in light of the anticipated future of the defense research and engineering enterprise.

(b) FOCUS.—The recommendations under subsection (a) shall focus on enabling the success of the defense research and engineering enterprise in the current environment of strategic competition.

(c) DEFENSE RESEARCH AND ENGINEERING ENTERPRISE.—For purposes of subsection (a), the defense research and engineering enterprise shall consist of the following:

(1) The science and technology elements of the military departments.

(2) The Department of Defense laboratories

(3) The test ranges and facilities of the Department.

(4) The Defense Advanced Research Projects Agency (DARPA).

(5) The Defense Innovation Unit Experimental (DIU(x)).

(6) The Strategic Capabilities Office of the Department.

(7) The Small Business Innovation Research Program of the Department.

(8) Such other elements, offices, programs, and activities of the Department as the Under Secretary considers appropriate for purposes of the this section.

(d) PARTICULAR RECOMMENDATIONS.—The recommendations under subsection (a) shall include recommendations on the following:

(1) Portfolio management and coordination of research and development activities across the military departments and the defense research and engineering enterprise, including management and activities across the enterprise.

(2) Workforce management, recruitment, retention, and shaping.

(3) Facilities and research and test infrastructure.

(4) Relationships with academia, the acquisition community, the operational community, and the commercial sector.

(5) Governance.

(e) COMPARISONS.—For purposes of making recommendations under subsection (a), the Under Secretary shall conduct a comparison of the defense research and engineering enterprise of the United States, namely processes,

test infrastructure, and workforce, with the defense research and engineering enterprises of other countries and the private sector.

(f) CONSULTATION AND COMMENTS.—In making recommendations under subsection (a), the Under Secretary shall consult with and seek comments from groups and entities relevant to the recommendations, such as the military departments, the combatant commands, the Defense Innovation Board, the Defense Science Board, the Defense Business Board, the federally funded research and development centers (FFRDCs), and commercial partners of the Department of Defense (including small business concerns).

SEC. 235. MODIFICATION OF REPORTS ON MECHANISMS TO PROVIDE FUNDS TO DEFENSE LABORATORIES FOR RESEARCH AND DEVELOPMENT OF TECHNOLOGIES FOR MILITARY MISSIONS.

Subsection (c) of section 2363 of title 10, United States Code, is amended to read as follows:

"(c) RELEASE AND DISSEMINATION OF INFORMATION ON CONTRIBUTIONS FROM USE OF AUTHORITY TO MILITARY MISSIONS.—

"(1) COLLECTION OF INFORMATION.—The Secretary shall establish and maintain mechanisms for the continuous collection of information on achievements, best practices identified, lessons learned, and

challenges arising in the exercise of the authority in this section.

"(2) RELEASE OF INFORMATION.—The Secretary shall establish and maintain mechanisms as follows:

"(A) Mechanisms for the release to the public of information on achievements and best practices described in paragraph (1) in unclassified form.

"(B) Mechanisms for dissemination to appropriate civilian and military officials of information on achievements and best practices described in paragraph (1) in classified form.".

SEC. 236. REPORT ON MOBILE PROTECTED FIREPOWER AND FUTURE VERTICAL LIFT.

(a) IN GENERAL.—Not later than 60 days after the date of the enactment of this Act, the Secretary of the Army shall submit to the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives a report on the requirements of the Army for Mobile Protected Firepower (MPF) and Future Vertical Lift (FVL).

(b) CONTENTS.—The report submitted pursuant to subsection (a) shall include the following:

(1) An explanation of how Mobile Protected Firepower and Future Vertical Lift could survive against

the effects of anti-armor and anti-aircraft networks established within anti-access, area-denial defenses.

(2) An explanation of how Mobile Protected Firepower and Future Vertical Lift would improve offensive overmatch against a peer adversary.

(3) Details regarding the total number of Mobile Protected Firepower and Future Vertical Lift systems needed by the Army.

(4) An explanation of how these systems will be logistically supported within light formations.

(5) Plans to integrate active protection systems into the designs of such systems.

SEC. 237. IMPROVEMENT OF THE AIR FORCE SUPPLY CHAIN.

(a) IN GENERAL.—The Assistant Secretary of the Air Force for Acquisition, Technology, and Logistics may use funds described in subsection (b) as follows:

(1) For nontraditional technologies and sustainment practices (such as additive manufacturing, artificial intelligence, predictive maintenance, and other software-intensive and software-defined capabilities) to—

(A) increase the availability of aircraft to the Air Force; and

(B) decrease backlogs and lead times for the production of parts for such aircraft.

(2) To advance the qualification, certification, and integration of additive manufacturing into the Air Force supply chain.

(3) To otherwise identify and reduce supply chain risk for the Air Force.

(4) To define workforce development requirements and training for personnel who implement and support additive manufacturing for the Air Force at the warfighter, end-item designer and equipment operator, and acquisition officer levels.

(b) FUNDING.—Of the amounts authorized to be appropriated for fiscal year 2019 by section 201 for research, development, test, and evaluation for the Air Force and available for Tech Transition Program (Program Element (0604858F)), up to $42,800,000 may be available as described in subsection (a).

SEC. 238. REVIEW OF GUIDANCE ON BLAST EXPOSURE DURING TRAINING.

(a) INITIAL REVIEW.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall review the firing limits for heavy weapons during training exercises.

(b) ELEMENTS.—The review required by subsection (a) shall take into account current data and evidence on the cognitive effects of blast exposure and shall include consideration of the following:

(1) The impact of exposure over multiple successive days of training.

(2) The impact of multiple types of heavy weapons being fired in close succession.

(3) The feasibility of cumulative annual or lifetime exposure limits.

(4) The minimum safe distance for observers and instructors.

(c) UPDATED TRAINING GUIDANCE.—Not later than 180 days after the date of the completion of the review under subsection (a), each Secretary of a military department shall update any relevant training guidance to account for the conclusions of the review.

(d) UPDATED REVIEW.—

(1) IN GENERAL.—Not less frequently than once every two years after the initial review conducted under subsection (a), the Secretary of Defense shall conduct an updated review under such subsection, including consideration of the matters set forth under subsection (b), and update training guidance under subsection (c).

(2) CONSIDERATION OF NEW RESEARCH AND EVIDENCE.—Each updated review conducted under paragraph (1) shall take into account new research and evidence that has emerged since the previous review.

(e) BRIEFING REQUIRED.—The Secretary of Defense shall brief the Committees on Armed Services of the Senate and the House of Representatives on a summary of the results of the initial review under subsection (a), each updated review conducted under subsection (d), and any updates to training guidance and procedures resulting from any such review or updated review.

SEC. 239. LIST OF TECHNOLOGIES AND MANUFACTURING CAPABILITIES CRITICAL TO ARMED FORCES.

(a) LIST REQUIRED.—The Secretary of Defense shall develop a list of technologies and manufacturing capabilities critical to the Armed Forces.

(b) PRIMARY EMPHASIS.—In developing such list, primary emphasis shall be given to—

(1) research, development, design, and manufacturing expertise;

(2) research, development, design, and manufacturing equipment and unique facilities;

(3) goods and services associated with or enabled by research, development, operation, application, manufacturing, or maintenance expertise, which are

not possessed by countries to which exports are controlled and which, if exported or otherwise transferred, would permit a significant advance in the military capabilities of any such country; and

(4) emerging technology areas supportive of military requirements and strategies.

(c) SPECIFICITY.—The shall ensure that the list required by subsection (a) is sufficiently specific to guide the recommendations of the Secretary in any interagency determinations on exercising export licensing, technology transfer, or foreign investment.

(d) PUBLICATION.—

(1) IN GENERAL.—Not later than December 31, 2019, the Secretary shall publish the list required by subsection (a) and continuously update such list thereafter as the Secretary considers appropriate.

(2) FORM.—The list published under paragraph (1) shall be published in unclassified form, but may include a classified annex.

SEC. 240. REPORT ON REQUIRING ACCESS TO DIGITAL TECHNICAL DATA IN FUTURE ACQUISITIONS OF COMBAT, COMBAT SERVICE, AND COMBAT SUPPORT SYSTEMS.

Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the con-

gressional defense committees a report on the feasibility and advisability of requiring access to digital technical data in all future acquisitions by the Department of Defense of combat, combat service, and combat support systems, including front-end negotiations for such access. Such report shall include a digital data standard for technical data for use by equipment manufacturers and the Department with regard to three-dimensional printed parts.

SEC. 241. COMPETITIVE ACQUISITION STRATEGY FOR BRADLEY FIGHTING VEHICLE TRANSMISSION REPLACEMENT.

(a) PLAN REQUIRED.—The Secretary of the Army shall develop a strategy to competitively procure a new transmission for the Bradley Fighting Vehicle family of vehicles.

(b) ADDITIONAL STRATEGY REQUIREMENTS.—The plan required by subsection (a) shall include the following:

(1) An analysis of the potential cost savings and performance improvements associated with developing or procuring a new transmission common to the Bradley Fighting Vehicle family of vehicles, including the Armored Multipurpose Vehicle and the Paladin Integrated Management artillery system.

(2) A plan to use full and open competition to the maximum extent practicable.

(c) TIMELINE.—Not later than February 15, 2019, the Secretary of the Army shall submit to the congressional defense committees the strategy developed under subsection (a).

(d) LIMITATION.—None of the funds authorized to be appropriated for fiscal year 2019 by this Act for Weapons and Tracked Combat Vehicles, Army, may be obligated or expended to procure a Bradley Fighting Vehicle replacement transmission until the date that is 30 days after the date on which the Secretary of the Army submits to the congressional defense committees the plan required by subsection (a).

SEC. 242. INDEPENDENT ASSESSMENT OF ELECTRONIC WARFARE PLANS AND PROGRAMS.

(a) AGREEMENT.—

(1) IN GENERAL.—The Secretary of Defense shall seek to enter into an agreement with the private scientific advisory group known as "JASON" to perform the services covered by this section.

(2) TIMING.—The Secretary shall seek to enter into the agreement described in paragraph (1) not later than 120 days after the date of the enactment of this Act.

(b) INDEPENDENT ASSESSMENT.—Under an agreement between the Secretary and JASON under this section, JASON shall—

(1) assess the strategies, programs, order of battle, and doctrine of the United States related to the electronic warfare mission area and electromagnetic spectrum operations;

(2) assess the strategies, programs, order of battle, and doctrine of potential adversaries, such as China, Iran, and the Russian Federation, related to the same;

(3) develop recommendations for improvements to the strategies, programs, and doctrine of the United States in order to enable the United States to achieve and maintain superiority in the electromagnetic spectrum in future conflicts; and

(4) develop recommendations for the Secretary, Congress, and such other Federal entities as JASON considers appropriate, including recommendations for—

(A) closing technical, policy, or resource gaps;

(B) improving cooperation and appropriate integration among Federal entities;

(C) improving cooperation between the United States and other countries and international organizations; and

(D) such other important matters identified by JASON that are directly relevant to the strategies of the United States described in paragraph (3).

(c) LIAISONS.—The Secretary shall appoint appropriate liaisons to JASON to support the timely conduct of the services covered by this section.

(d) MATERIALS.—The Secretary shall provide access to JASON to materials relevant to the services covered by this section, consistent with the protection of sources and methods and other critically sensitive information.

(e) CLEARANCES.—The Secretary shall ensure that appropriate members and staff of JASON have the necessary clearances, obtained in an expedited manner, to conduct the services covered by this section.

(f) REPORT.—Not later than October 1, 2019, the Secretary shall submit to the congressional defense committees a report on—

(1) the findings of JASON with respect to the assessments carried out under subsection (b); and

(2) the recommendations developed by JASON pursuant to such subsection.

(g) ALTERNATE CONTRACT SCIENTIFIC ORGANIZATION.—

(1) IN GENERAL.—If the Secretary is unable within the period prescribed in paragraph (2) of subsection (a) to enter into an agreement described in paragraph (1) of such subsection with JASON on terms acceptable to the Secretary, the Secretary shall seek to enter into such agreement with another appropriate scientific organization that—

(A) is not part of the Government; and

(B) has expertise and objectivity comparable to that of JASON.

(2) TREATMENT.—If the Secretary enters into an agreement with another organization as described in paragraph (1), any reference in this section to JASON shall be treated as a reference to the other organization.

TITLE III—OPERATION AND MAINTENANCE

Subtitle A—Authorization of Appropriations

SEC. 301. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for ex-

penses, not otherwise provided for, for operation and maintenance, as specified in the funding table in section 4301.

Subtitle B—Energy and Environment

SEC. 311. FURTHER IMPROVEMENTS TO ENERGY SECURITY AND RESILIENCE.

(a) ENERGY POLICY AUTHORITY.—Section 2911(b) of title 10, United States Code, is amended—

(1) by redesignating paragraphs (1), (2), and (3) as paragraphs (3), (4), and (5), respectively; and

(2) by inserting before paragraph (3), as so redesignated, the following new paragraphs:

"(1) establish metrics and standards for the assessment of energy resilience;

"(2) require the Secretary of a military department to perform mission assurance and readiness assessments of energy power systems for mission critical assets and supporting infrastructure, applying uniform mission standards established by the Secretary of Defense;".

(b) REPORTING ON ENERGY SECURITY AND RESILIENCE GOALS.—Section 2911(c) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(3) The Secretary of Defense shall include the energy security and resilience goals of the Department of Defense in the installation energy report submitted under section 2925(a) of this title for fiscal year 2018 and every fiscal year thereafter. In the development of energy security and resilience goals, the Department of Defense shall conform with the definitions of energy security and resilience under this title. The report shall include the amount of critical energy load, together with the level of availability and reliability by fiscal year the Department of Defense deems necessary to achieve energy security and resilience.".

(c) REPORTING ON INSTALLATIONS ENERGY MANAGEMENT, ENERGY RESILIENCE, AND MISSION ASSURANCE.—Section 2925(a) of title 10, United States Code, is amended—

(1) by inserting ", including progress on energy resilience at military installations according to metrics developed by the Secretary" after "under section 2911 of this title";

(2) in paragraph (3), by striking "the mission requirements associated with disruption tolerances based on risk to mission" and inserting "the downtimes (in minutes or hours) these missions can afford based on their mission requirements and risk tolerances";

(3) in paragraph (4), by inserting "(including critical energy loads in megawatts and the associated downtime tolerances for critical energy loads)" after "energy requirements and critical energy requirements";

(4) by redesignating paragraph (5) as paragraph (7); and

(5) by inserting after paragraph (4) the following new paragraphs:

"(5) A list of energy resilience projects awarded by the Department of Defense by military department and military installation, whether appropriated or alternative financed for the reporting fiscal year, including project description, award date, the critical energy requirements serviced (including critical energy loads in megawatts), expected reliability of the project (as indicated in the awarded contract), life cycle costs, savings to investment, fuel type, and the type of appropriation or alternative financing used.

"(6) A list of energy resilience projects planned by the Department of Defense by military department and military installation, whether appropriated or alternative financed for the next two fiscal years, including project description, fuel type, expected award

date, and the type of appropriation or alternative financing expected for use.".

(d) INCLUSION OF ENERGY SECURITY AND RESILIENCE AS PRIORITIES IN CONTRACTS FOR ENERGY OR FUEL FOR MILITARY INSTALLATIONS.—Section 2922a(d) of title 10, United States Code, is amended to read as follows:

"(d) The Secretary concerned shall ensure energy security and resilience are prioritized and included in the provision and operation of energy production facilities under this section.".

(e) CONVEYANCE AUTHORITY FOR UTILITY SYSTEMS.—Section 2688 of title 10, United States Code, is amended—

(1) in subsection (a), by striking "Secretary of a military department" and inserting "Secretary of Defense, or the Secretary of a military department designated by the Secretary,";

(2) in subsection (d)(2), by adding at the end the following: "The business case analysis must also demonstrate how a privatized system will operate in a manner consistent with subsection (g)(3)."; and

(3) in subsection (g)(3)—

(A) by striking "Secretary concerned may require" and inserting "Secretary of Defense, in

consultation with the Secretaries of the military departments, shall require"; and

(B) by striking "consistent with energy resilience requirements and metrics" and inserting "consistent with energy resilience and cybersecurity requirements and associated metrics".

(f) MODIFICATION OF ENERGY RESILIENCE DEFINITION.—Section 101(e)(6) of title 10, United States Code, is amended by striking "task critical assets and other".

(g) AUTHORITY TO ACCEPT ENERGY PERFORMANCE FINANCIAL INCENTIVES FROM STATE AND LOCAL GOVERNMENTS.—Section 2913(c) of title 10, United States Code, is amended by inserting "a State or local government" after "generally available from".

(h) TREATMENT OF ENERGY DEMAND RESPONSE FINANCIAL INCENTIVES.—Paragraph (2) of section 2919(b) of title 10, United States Code, is amended to read as follows:

"(2) credited to an appropriation designated by the Secretary of Defense, submitted in the annual President's budget request, merged with the appropriation to which credited, and available for energy security or energy resilience projects.".

(i) USE OF ENERGY COST SAVINGS TO IMPLEMENT ENERGY RESILIENCE AND ENERGY CONSERVATION CONSTRUCTION PROJECTS.—Section 2912(b)(1) of title 10,

United States Code, is amended by inserting ", including energy resilience and energy conservation construction projects," after "energy security measures".

(j) ADDITIONAL BASIS FOR PRESERVATION OF PROPERTY IN THE VICINITY OF MILITARY INSTALLATIONS IN AGREEMENTS WITH NON-FEDERAL ENTITIES ON USE OF SUCH PROPERTY.—Section 2684a(a)(2)(B) of title 10, United States Code, is amended—

(1) by striking "(B)" and inserting "(B)(i)"; and

(2) by adding at the end of the following new clause:

"(ii) maintains or improves military installation resilience; or".

SEC. 312. FUNDING OF STUDY AND ASSESSMENT OF HEALTH IMPLICATIONS OF PER- AND POLYFLUOROALKYL SUBSTANCES CONTAMINATION IN DRINKING WATER BY AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY.

Paragraph (2) of section 316(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended to read as follows:

"(2) FUNDING.—

"(A) SOURCE OF FUNDS.—The study and assessment performed pursuant to this section

may be paid for using funds authorized to be appropriated to the Department of Defense under the heading 'Operation and Maintenance, Defense-Wide'.

"(B) TRANSFER AUTHORITY.—(i) Of the amounts authorized to be appropriated for the Department of Defense for fiscal year 2018, not more than $10,000,000 shall be transferred by the Secretary of Defense, without regard to section 2215 of title 10, United States Code, to the Secretary of Health and Human Services to pay for the study and assessment required by this section.

"(ii) Without regard to section 2215 of title 10, United States Code, the Secretary of Defense may transfer not more than $10,000,000 a year during fiscal years 2019 and 2020 to the Secretary of Health and Human Services to pay for the study and assessment required by this section.

"(C) EXPENDITURE AUTHORITY.—Amounts transferred to the Secretary of Health and Human Services shall be used to carry out the study and assessment under this section through contracts, cooperative agreements, or grants. In

addition, such funds may be transferred by the Secretary of Health and Human Services to other accounts of the Department for the purposes of carrying out this section.

"(D) RELATIONSHIP TO OTHER TRANSFER AUTHORITIES.—The transfer authority provided under this paragraph is in addition to any other transfer authority available to the Department of Defense.".

SEC. 313. MILITARY MISSION SUSTAINMENT SITING CLEARINGHOUSE.

(a) CHANGE IN NAME OF CLEARINGHOUSE.—Section 183a of title 10, United States Code, is amended—

*(1) in the section heading, by striking "**Military Aviation and Installation Assurance Clearinghouse for review of mission obstructions**" and inserting "**Military Mission Sustainment Siting Clearinghouse for review of energy projects**"; and*

(2) in paragraph (1) of subsection (a), by striking "Military Aviation and Installation Assurance Siting Clearinghouse" and inserting "Military Mission Sustainment Siting Clearinghouse".

(b) RESPONSIBLE OFFICIAL.—Subsection (a) of such section is further amended, in paragraph (2)(A), by strik-

ing "control of an Assistant Secretary of Defense designated by the Secretary" and inserting "control of the Under Secretary of Defense for Acquisition and Sustainment".

(c) FUNCTIONS.—Subsection (b) of such section is amended—

(1) by redesignating paragraphs (2) and (3) as paragraphs (3) and (4); and

(2) by inserting after paragraph (1) the following new paragraph:

"(2) The Clearinghouse shall coordinate Department of Defense consideration of and response to requests for reviews received from other Federal agencies, State governments, Indian tribal governments, local governments, landowners, and developers of energy projects.".

(d) REVIEW OF PROPOSED ACTIONS.—Subsection (c) of such section is amended—

(1) in paragraph (1)—

(A) in subparagraph (A), by inserting ", including any potential negative impacts on pilot safety and training" after "military operations and readiness"; and

(B) in subparagraph (B), by inserting ", including any potential negative impacts on

pilot safety and training," after "risks to national security"; and

(2) in paragraph (3), by inserting "and the relevant local military installation" after "notice to the governor of the State".

(e) IDENTIFICATION OF ACTIONS TO MITIGATE ALL ADVERSE IMPACTS.—Subsection (d)(2)(F) is amended by inserting "all" before "adverse impacts of projects filed".

(f) DEPARTMENT OF DEFENSE FINDING OF UNACCEPTABLE RISK.—Subsection (e)(1) of such section is amended by inserting ", including unacceptable risk to pilot safety and unacceptable loss of training days" after "risk to the national security of the United States".

(g) DEFINITION OF ADVERSE IMPACT ON MILITARY OPERATIONS AND READINESS.—Subsection (h)(1) of such section is amended by inserting "pilot safety," after "including flight operations,".

(h) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 7 of title 10, United States Code, is amended by striking the item relating to section 183a and inserting the following:

"183a. Military Mission Sustainment Siting Clearinghouse for review of energy projects.".

SEC. 314. OPERATIONAL ENERGY POLICY.

(a) IN GENERAL.—Section 2926 of title 10, United States Code, is amended—

(1) by redesignating subsections (a), (b), (c), and (d) as subsections (c), (d), (e), (f), respectively;

(2) by inserting before subsection (c), as redesignated by paragraph (1), the following new subsections:

"(a) OPERATIONAL ENERGY POLICY.—In carrying out section 2911(a) of this title, the Secretary of Defense shall ensure the types, availability, and use of operational energy promote the readiness of the armed forces for their military missions.

"(b) AUTHORITIES.—The Secretary of Defense may—

"(1) require the Secretary of a military department or the commander of a combatant command to assess the energy supportability of systems, capabilities, and plans;

"(2) authorize the use of energy security, cost of backup power, and energy resilience as factors in the cost-benefit analysis for procurement of operational equipment; and

"(3) in selecting equipment that will use operational energy, give favorable consideration to the acquisition of equipment that enhances energy security, energy resilience, energy conservation, and reduces logistical vulnerabilities."; and

(3) in subsection (c), as redesignated by subparagraph (A)—

(A) in the subsection heading, by striking "ALTERNATIVE FUEL ACTIVITIES" and inserting "FUNCTIONS OF THE ASSISTANT SECRETARY OF DEFENSE FOR ENERGY, INSTALLATIONS, AND ENVIRONMENT";

(B) by striking "heads of the military departments and the Assistant Secretary of Defense for Research and Engineering" and inserting "heads of the appropriate Department of Defense components";

(C) in paragraph (1), by striking "lead the alternative fuels activities" and inserting "oversee the operational energy activities";

(D) in paragraph (2), by striking "regarding the development of alternative fuels by the military departments and the Office of the Secretary of Defense" and inserting "regarding the policies and investments that affect the use of operational energy across the Department of Defense";

(E) in paragraph (3), by striking "prescribe policy to streamline the investments in alternative fuel activities across the Department of

Defense" and inserting "recommend to the Secretary policy to improve warfighting capability through energy security and energy resilience"; and

(F) in paragraph (5), by striking "subsection (c)(4)" and inserting "subsection (e)(4)".

(b) CONFORMING AMENDMENTS.—(1) Section 2925(b)(1) of title 10, United States Code, is amended by striking "section 2926(b)" and inserting "section 2926(d)".

(2) Section 1061(c)(55) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 111 note) is amended by striking "section 2926(c)(4)" and inserting "section 2926(e)(4)".

SEC. 315. FUNDING TREATMENT OF PERFLUOROOCTANE SULFONIC ACID AND PERFLUOROOCTANOIC ACID AT STATE-OWNED AND OPERATED NATIONAL GUARD INSTALLATIONS.

(a) ASSISTANCE AUTHORIZED.—The Secretary concerned may provide for the treatment of perfluorooctane sulfonic acid and perfluorooctanoic acid in drinking water from wells owned and operated by a local water authority undertaken to attain the lifetime health advisory level for such acids in drinking water.

(b) REQUIREMENTS FOR ASSISTANCE.—The Secretary concerned may only provide for the treatment of drinking water pursuant to subsection (a) if—

(1) the local water authority has requested such treatment from the Secretary during the fiscal year when the treatment is provided;

(2) the elevated levels of perfluorooctane sulfonic acid and perfluorooctanoic acid in the drinking water are the result of activities conducted by or paid for by the Department of the Army or the Department of the Air Force at a State-owned National Guard installation;

(3) such treatment takes place only during the fiscal year in which the request was made;

(4) the local water authority waives all claims against the United States and the National Guard for treatment expenses incurred before the fiscal year during which the treatment is taking place; and

(5) the cost of any treatment provided pursuant to subsection (a) does not exceed the actual cost of the treatment attributable to the activities conducted by or paid for by the Department of the Army or the Department of the Air Force, as the case may be.

(c) EXISTING AGREEMENTS.—Treatment of drinking water pursuant to subsection (a) may be provided without

regard to existing contractual provisions in agreements between the Department of the Army, the Department of the Air Force, or the National Guard Bureau, as the case may be, and the State in which the base is located relating to environmental response actions or indemnification.

(d) AUTHORITY TO ENTER INTO AGREEMENTS.—The Secretary concerned may enter into such grants, cooperative agreements, or contracts with a local water authority as may be necessary to implement this section.

(e) USE OF DSMOA.—Using up to $45,000,000 of the funds authorized to be appropriated by section 301 for operation and maintenance, the Secretary concerned may pay, utilizing an existing Defense-State Memorandum of Agreement, costs that would otherwise be eligible for payment under that agreement.

(f) TERMINATION OF AUTHORITY.—The authority under this section shall terminate on September 30, 2021.

(g) RETROACTIVE EFFECT.—Notwithstanding paragraphs (1), (3), (4) of subsection (b), the Secretary concerned may reimburse a local water authority or a State for the treatment of drinking water pursuant to this section if—

(1) the local water authority or state requested such a payment from the National Guard Bureau prior to March 1, 2018, or the National Guard Bu-

reau was aware of a treatment plan by the local water authority or state prior to that date; and

(2) the local water authority or the State, as the case may be, waives all claims against the United States and the National Guard for treatment expenses incurred before January 1, 2018.

(h) CONFORMING AMENDMENTS.—

(1) RESPONSIBILITY FOR RESPONSE ACTIONS.—Section 2701(c)(1) of title 10, United States Code, is amended by inserting "or pollutants or contaminants" after "releases of hazardous substances".

(2) DEFINITION OF FACILITY.—Section 2700(2) of title 10, United States Code, is amended—

(A) by striking "The terms 'environment', 'facility'," and inserting "(A) The terms 'environment',"; and

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

"(B) The term 'facility'—

"(i) has the meaning given the term in section 101 of CERCLA (42 U.S.C. 9601); and

"(ii) includes real property which is owned by, leased, to, or otherwise possessed by the United States at locations conducting military

activities under the authority of either this title or title 32.".

(i) DEFINITIONS.—In this section—

(1) LIFETIME HEALTH ADVISORY.—The term "lifetime health advisory" means the United States Environmental Protection Agency Lifetime Health Advisory for the presence of perfluorooctane sulfonic acid and perfluorooctanoic acid in drinking water.

(2) SECRETARY CONCERNED.—The term "Secretary concerned" means the Secretary of the Army or the Secretary of the Air Force.

(3) STATE.—The term "State" means any of the several States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, and the Virgin Islands.

(4) STATE-OWNED NATIONAL GUARD INSTALLATION.—The term "State-owned National Guard installation" means a facility or site owned or operated by a State when such facility or site is used for training the National Guard pursuant to chapter 5 of title 32, United States Code, with funds provided by the Secretary of Defense or the Secretary of a military department, even though the Department of Defense is not the owner or operator of such facility or site.

Subtitle C—Reports

SEC. 321. REPORTS ON READINESS.

(a) UNIFORM APPLICABILITY OF READINESS REPORTING SYSTEM.—Subsection (b) of section 117 of title 10, United States Code, is amended—

(1) by inserting "and maintaining" after "establishing";

(2) in paragraph (1), by striking "reporting system is applied uniformly throughout the Department of Defense" and inserting "reporting system and associated policies are applied uniformly throughout the Department of Defense, including between and among the joint staff and each of the armed forces";

(3) by redesignating paragraphs (2) and (3) as paragraphs (5) and (6), respectively;

(4) by inserting after paragraph (1) the following new paragraphs:

"(2) that is the single authoritative readiness reporting system for the Department, and that there shall be no military service specific systems;

"(3) that readiness assessments are accomplished at an organizational level at, or below, the level at which forces are employed;

"(4) that the reporting system include resources information, force posture, and mission centric capa-

bility assessments, as well as predicted changes to these attributes;"; and

(5) in paragraph (5), as redesignated by paragraph (3) of this subsection, by inserting ", or element of a unit," after "readiness status of a unit".

(b) CAPABILITIES OF READINESS REPORTING SYSTEM.—Such section is further amended in subsection (c)—

(1) in paragraph (1)—

(A) by striking "Measure, on a monthly basis, the capability of units" and inserting "Measure the readiness of units"; and

(B) by striking "conduct their assigned wartime missions" and inserting "conduct their designed and assigned missions";

(2) in paragraph (2)—

(A) by striking "Measure, on an annual basis," and inserting "Measure"; and

(B) by striking "wartime missions" and inserting "designed and assigned missions";

(3) in paragraph (3)—

(A) by striking "Measure, on an annual basis," and inserting "Measure"; and

(B) by striking "wartime missions" and inserting "designed and assigned missions";

(4) in paragraph (4), by striking "Measure, on a monthly basis," and inserting "Measure";

(5) in paragraph (5), by striking "Measure, on an annual basis," and inserting "Measure";

(6) by striking paragraphs (6) and (8) and redesignating paragraph (7) as paragraph (6); and

(7) in paragraph (6), as so redesignated, by striking "Measure, on a quarterly basis," and inserting "Measure".

(c) SEMI-ANNUAL AND MONTHLY JOINT READINESS REVIEWS.—Such section is further amended in subsection (d)(1)(A) by inserting ", which includes a validation of readiness data currency and accuracy" after "joint readiness review".

(d) QUARTERLY REPORT ON CHANGE IN CURRENT STATE OF UNIT READINESS.—Such section is further amended—

(1) in subsection (e), by striking "SUBMISSION TO CONGRESSIONAL COMMITTEES" and inserting "QUARTERLY REPORT ON JOINT READINESS";

(2) by redesignating subsection (f) as subsection (h); and

(3) by inserting after subsection (e) the following new subsection:

"(f) QUARTERLY REPORT ON MONTHLY CHANGES IN CURRENT STATE OF READINESS OF UNITS.—The Secretary shall each quarter submit to the congressional defense committees a report on each monthly upgrade or downgrade of the current state of readiness of a unit that was issued by the commander of a unit during the previous quarter, together with the rationale of the commander for the issuance of such upgrade or downgrade.".

(e) ANNUAL REPORT TO CONGRESS ON OPERATIONAL CONTRACT SUPPORT.—Such section is further amended by inserting after subsection (f), as added by subsection (d) of this section, the following new subsection:

"(g) ANNUAL REPORT ON OPERATIONAL CONTRACT SUPPORT.—The Secretary shall each year submit to the congressional defense committees a report in writing containing the results of the most recent annual measurement of the capability of operational contract support to support current and anticipated wartime missions of the armed forces. Each such report shall be submitted in unclassified form, but may include a classified annex.".

(f) REGULATIONS.—Such section is further amended in subsection (h), as redesignated by subsection (d) of this section, by striking "prescribe the units that are subject to reporting in the readiness reporting system, what type of equipment is subject to such reporting" and inserting "pre-

scribe the established information technology system for Department of Defense reporting, specifically authorize exceptions to a single-system architecture, and identify the organizations, units, and entities that are subject to reporting in the readiness reporting system, what organization resources are subject to such reporting".

(g) CONFORMING AMENDMENTS.—

*(1) SECTION HEADING.—Such section is further amended in the section heading by striking "**: establishment; reporting to congressional committees**".*

(2) TABLE OF SECTIONS.—The table of sections at the beginning of chapter 2 is amended by striking the item relating to section 117 and inserting the following new item:

"117. Readiness reporting system.".

SEC. 322. REPORT ON COLD WEATHER CAPABILITIES AND READINESS OF UNITED STATES ARMED FORCES.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on the current cold weather capabilities and readiness of the United States Armed Forces.

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

(1) A description of current cold weather capabilities and training to support United States military operations in cold climates across the joint force.

(2) A description of anticipated requirements for United States military operations in cold and extreme cold weather in the Arctic, Northeast Asia, and Northern and Eastern Europe.

(3) A description of the current cold weather readiness of the joint force, the ability to increase cold weather training across the joint force, and any equipment, infrastructure, personnel, or resource limitations or gaps that may exist.

(4) An analysis of potential opportunities to expand cold weather training for the Army, the Navy, the Air Force, and the Marine Corps and the resources or infrastructure required for such expansion.

(5) An analysis of potential cold weather amphibious landing locations, including the potential for a combined arms live fire exercise.

Subtitle D—Other Matters

SEC. 331. PILOT PROGRAMS ON INTEGRATION OF MILITARY INFORMATION SUPPORT AND CIVIL AFFAIRS ACTIVITIES.

(a) PILOT PROGRAMS AUTHORIZED.—

(1) IN GENERAL.—The commander of any geographic combatant command designated by the Secretary of Defense for purposes of this section, and the Commander of the United States Special Operations Command if so designated, may carry out one or more pilot programs designed to assess the feasability and advisability of integrating military information support and civil affairs in support of the theater campaign plans of such combatant command.

(2) CONCURRENCE OF CHIEFS OF MISSION.—Activities under a pilot program under this section may be carried out in a country only with the concurrence of the Chief of Mission for that country.

(b) REQUIREMENT FOR BOTH MILITARY INFORMATION SUPPORT AND CIVIL AFFAIRS CAPABILITIES.—

(1) IN GENERAL.—Except as provided in paragraphs (2) and (3), each pilot program under this section shall include both a military information support capability and a civil affairs capability.

(2) NO MILITARY INFORMATION SUPPORT CAPABILITY.—A pilot program may be carried out in a region or country in which no military information support capability is deployed if the program is complemented by a Department of State public diplomacy effort that contributes to the fulfillment of the

objectives of the commander of the combatant command concerned to convey information to foreign audiences in the region or county to influence their emotions, motives, objective reasoning, and behavior in support of the applicable theater campaign plan.

(3) NO CIVIL AFFAIRS CAPABILITY.—A pilot program may be carried out in a region or country in which no civil affairs capability is deployed if the program is complemented by an effort of the Department of State or the United States Agency for International Development to contribute to the fulfillment of the objectives of the commander of the combatant command concerned to reestablish or maintain stability within the region or country in support of the applicable theater campaign plan.

(4) PLAN.—In the event a pilot program will be carried out pursuant to paragraph (2) or (3), planning for the pilot program shall include an explanation of concept, budget, timeline, and metrics for measuring the effectiveness of activities of the Department of State or United States Agency for International Development, as applicable, under the pilot program.

(c) DURATION.—The authority to carry out pilot programs under this section shall cease on September 30, 2023.

(d) ANNUAL REPORTS.—

(1) IN GENERAL.—Not later than 90 days after the last day of each of fiscal year 2019 through 2023, the Secretary shall submit to the congressional defense committees a report on the pilot programs carried out under this section during the preceding fiscal year.

(2) ELEMENTS.—Each report under this subsection shall include, for the fiscal year covered by such report, the following:

(A) A list of all pilot programs carried out, set forth by combatant command.

(B) A list of all pilot programs commenced, set forth by combatant command.

(C) The amount of funds provided for each pilot program carried out.

(D) The objectives of each pilot program carried out, and the metrics used or to be used to measure the effectiveness of such pilot program.

(E) A description of the manner in which each pilot program carried out supports the applicable theater campaign plan of the commanders of the combatant command concerned.

(F) If a pilot program was concluded, an assessment of the value of the program, a de-

scription and assessment of lessons learned through the program, and any recommendations the Secretary considers appropriate for follow-on efforts in connection with the program.

(e) FUNDING.—

(1) IN GENERAL.—Of the amounts authorized to be appropriated for each of fiscal years 2019 through 2023 for the Department of Defense for operation and maintenance and available for the combatant commands, an aggregate of $20,000,000 may be used in each such fiscal year by each such combatant command for pilot programs under this section.

(2) LIMITATION ON AMOUNT FOR PARTICULAR PROGRAMS.—The amount expended on any particular pilot program may not exceed $2,000,000.

(f) DEFINITIONS.—In this section:

(1) CIVIL AFFAIRS.—The term "civil affairs" means activities intended to establish, maintain, influence, or exploit relations between military forces, indigenous populations, and institutions by directly supporting the attainment of objectives relating to the reestablishment or maintenance of stability within a region or country.

(2) MILITARY INFORMATION SUPPORT.—The term "military information support" means oper-

ations to convey selected information and indicators to foreign audiences to influence their emotions, motives, objective reasoning, and ultimately the behavior of foreign governments, organizations, groups, and individuals in a manner favorable to the objectives of those planning such operations.

(3) THEATER CAMPAIGN PLAN.—The term "theater campaign plan" means a plan developed by a combatant command for the steady-state activities of the command, including operations, security cooperation, and other activities designed to achieve strategic end states in the theater.

SEC. 332. REPORTING ON FUTURE YEARS BUDGETING BY SUBACTIVITY GROUP.

Along with the budget for each fiscal year submitted by the President pursuant to section 1105(a) of title 31, United States Code, the Secretary of Defense and the Secretaries of the military departments shall include in the OP-5 Justification Books as detailed by Department of Defense Financial Management Regulation 7000.14–R the amount for each individual subactivity group (SAG) as detailed in the Department's future years defense program pursuant to section 221 of title 10, United States Code.

SEC. 333. RESTRICTION ON UPGRADES TO AVIATION DEMONSTRATION TEAM AIRCRAFT.

(a) IN GENERAL.—Except as provided under subsection (b), the Secretary of Defense may not upgrade the type, model, or series of aircraft used by a military service for its fixed wing aviation demonstration teams, including Blue Angel and Thunderbird aircraft, until the service's active and reserve duty squadrons and weapon training schools have replaced 100 percent of the existing type, model, and series of aircraft.

(b) WAIVER AUTHORITY.—The Secretary of Defense may, upon written notice to the congressional defense committees, waive the prohibition under subsection (a) for the purpose of carrying out upgrades to the type, model, or series of the aircraft described under such subsection that are necessary to ensure the safety of pilots.

SEC. 334. U.S. SPECIAL OPERATIONS COMMAND CIVILIAN PERSONNEL.

Of the funds authorized to be appropriated by this Act for Operation and Maintenance, Defense-wide for U.S. Special Operations Command civilian personnel, not less than $6,200,000 shall be used to fund the detail of civilian personnel to the office of the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict to support the Secretariat for Special Operations.

SEC. 335. LIMITATION ON AVAILABILITY OF FUNDS FOR SERVICE-SPECIFIC DEFENSE READINESS REPORTING SYSTEMS.

(a) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2019 for operation and maintenance, research, development, test, and evaluation, or procurement, and available to operate service specific Defense Readiness Reporting Systems (DRRS) may be made available for such purpose except for required maintenance and in order to facilitate the transition to DRRS-Strategic (DRRS-S).

(b) PLAN.—Not later than February 1, 2019, the Under Secretary for Personnel and Readiness shall submit to the congressional defense committees a resource and funding plan to include a schedule with relevant milestones on the elimination of service-specific DRRS and the migration of the military services and other organizations to DRRS-S.

(c) TRANSITION.—The military services shall complete the transition to DRRS-S not later than October 1, 2019. The Secretary of Defense shall notify the congressional defense committees upon the complete transition of the services.

(d) REPORTING REQUIREMENT.—

(1) IN GENERAL.—The Under Secretary for Personnel and Readiness, the Under Secretary for Acquisition and Sustainment, and the Under Secretary for Research and Engineering, in coordination with the Secretaries of the military departments and other organizations with relevant technical expertise, shall establish a working group including individuals with expertise in application or software development, data science, testing, and development and assessment of performance metrics to assess the current process for collecting, analyzing, and communicating readiness data, and develop a strategy for implementing any recommended changes to improve and establish readiness metrics using the current DRRS-Strategic platform.

(2) ELEMENTS.—The assessment conducted pursuant to paragraph (1) shall include—

(A) identification of modern tools, methods, and approaches to readiness to more effectively and efficiently collect, analyze, and make decision based on readiness data; and

(B) consideration of cost and schedule.

(3) SUBMISSION TO CONGRESS.—Not later than February 1, 2020, the Secretary of Defense shall sub-

mit to the congressional defense committees the assessment conducted pursuant to paragraph (1).

(e) DEFENSE READINESS REPORTING REQUIREMENTS.—To the maximum extent practicable, the Secretary of Defense shall meet defense readiness reporting requirements consistent with the recommendations of the working group established under subsection (d)(1).

SEC. 336. REPURPOSING AND REUSE OF SURPLUS ARMY FIREARMS.

Section 348(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1365) is amended by inserting "shredded or" before "melted and repurposed".

SEC. 337. LIMITATION ON AVAILABILITY OF FUNDS FOR ESTABLISHMENT OF ADDITIONAL SPECIALIZED UNDERGRADUATE PILOT TRAINING FACILITY.

(a) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2019 for Specialized Undergraduate Pilot Training for the Air Force (referred to in this section as "SUPT") no funds may be used to enter into a contract for the procurement of equipment, facilities, real property, or services to establish a new SUPT location in the United States until the date on which the Secretary

of the Air Force submits to the congressional defense committees the certification described under subsection (b).

(b) CERTIFICATION.—The certification referred to in subsection (a) is a certification that—

(1) existing SUPT installations are operating at maximum capacity in terms of pilot production; and

(2) the Air Force plans to operate existing SUPT installations at maximum capacity over the future years defense program.

(c) REPORT.—

(1) IN GENERAL.—Not later than March 1, 2019, the Secretary of the Air Force shall submit to the congressional defense committees a report on existing SUPT production, resourcing, and locations.

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

(A) A description of the strategy of the Air Force for utilizing existing SUPT locations to produce the number of pilots the Air Force requires.

(B) The number of pilots that each SUPT location has graduated, by year, over the previous 5 fiscal years.

(C) The forecast number of pilots that each SUPT location will produce for fiscal year 2019.

(D) The maximum production capacity of each SUPT location.

(E) A cost estimate of the resources required for each SUPT location to reach maximum production capacity.

(F) A determination as to whether increasing production capacity at existing SUPT locations will satisfy the Air Force's SUPT requirement.

(G) A timeline and cost estimation of establishing a new SUPT location.

(H) A business case analysis comparing the establishment of a new SUPT location to increasing production capacity at existing SUPT locations.

SEC. 338. SCOPE OF AUTHORITY FOR RESTORATION OF LAND DUE TO MISHAP.

Subsection (e) of section 2691 of title 10, United States Code, as added by section 2814 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1849), is amended by adding at the end the following new paragraph:

"(3) The authority under paragraphs (1) and (2) includes activities and expenditures necessary to complete restoration to meet the regulations of the Federal department

or agency with administrative jurisdiction over the affected land, which may be different than the regulations of the Department of Defense.''.

SEC. 339. REDESIGNATION OF THE UTAH TEST AND TRAINING RANGE (UTTR).

The Utah Test and Training Range (UTTR) located in northwestern Utah and eastern Nevada may be redesignated.

Subtitle E—Logistics and Sustainment

SEC. 351. LIMITATION ON MODIFICATIONS TO NAVY FACILITIES SUSTAINMENT, RESTORATION, AND MODERNIZATION (FSRM) STRUCTURE AND MECHANISM.

The Secretary of the Navy may not make any modification to the existing Navy Facilities Sustainment, Restoration, and Modernization (FSRM) structure or mechanism that would modify duty relationships or significantly alter the existing structure until 90 days after providing notice of the proposed modification to the congressional defense committees.

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, 2019, as follows:

(1) The Army, 485,741.

(2) The Navy, 331,900.

(3) The Marine Corps, 186,100.

(4) The Air Force, 325,720.

SEC. 402. END STRENGTHS FOR COMMISSIONED OFFICERS ON ACTIVE DUTY IN CERTAIN GRADES.

The Armed Forces are authorized strengths for commissioned officers on active duty as of September 30, 2019, in the grades as follows in the number specified:

(1) The Army:

(A) Colonel, 3,970.

(B) Lieutenant colonel, 8,700.

(C) Major, 15,470.

(2) The Navy:

(A) Captain, 3,060.

(B) Commander, 6,670.

(C) Lieutenant commander, 11,010.

(3) The Marine Corps:

(A) Colonel, 650.

(B) Lieutenant colonel, 1,910.

(C) Major, 3,920.

(4) The Air Force:

(A) Colonel, 3,450.

(B) Lieutenant colonel, 10,270.

(C) Major, 13,920.

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, 2019, as follows:

(1) The Army National Guard of the United States, 343,500.

(2) The Army Reserve, 199,500.

(3) The Navy Reserve, 59,000.

(4) The Marine Corps Reserve, 38,500.

(5) The Air National Guard of the United States, 106,600.

(6) The Air Force Reserve, 69,800.

(7) The Coast Guard Reserve, 7,000.

(b) END STRENGTH REDUCTIONS.—The end strengths prescribed by subsection (a) for the Selected Reserve of any reserve component shall be proportionately reduced by—

(1) the total authorized strength of units organized to serve as units of the Selected Reserve of such

component which are on active duty (other than for training) at the end of the fiscal year; and

(2) the total number of individual members not in units organized to serve as units of the Selected Reserve of such component who are on active duty (other than for training or for unsatisfactory participation in training) without their consent at the end of the fiscal year.

(c) END STRENGTH INCREASES.—Whenever units or individual members of the Selected Reserve of any reserve component are released from active duty during any fiscal year, the end strength prescribed for such fiscal year for the Selected Reserve of such reserve component shall be increased proportionately by the total authorized strengths of such units and by the total number of such individual members.

SEC. 412. END STRENGTHS FOR RESERVES ON ACTIVE DUTY IN SUPPORT OF THE RESERVES.

Within the end strengths prescribed in section 411(a), the reserve components of the Armed Forces are authorized, as of September 30, 2019, the following number of Reserves to be serving on full-time active duty or full-time duty, in the case of members of the National Guard, for the purpose of organizing, administering, recruiting, instructing, or training the reserve components:

(1) The Army National Guard of the United States, 30,155.

(2) The Army Reserve, 16,261.

(3) The Navy Reserve, 10,101.

(4) The Marine Corps Reserve, 2,261.

(5) The Air National Guard of the United States, 19,450.

(6) The Air Force Reserve, 3,588.

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 2019 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, 18,969.

(4) For the Air Force Reserve, 8,880.

SEC. 414. MAXIMUM NUMBER OF RESERVE PERSONNEL AUTHORIZED TO BE ON ACTIVE DUTY FOR OPERATIONAL SUPPORT.

During fiscal year 2019, the maximum number of members of the reserve components of the Armed Forces who may be serving at any time on full-time operational support duty under section 115(b) of title 10, United States Code, is the following:

(1) The Army National Guard of the United States, 17,000.

(2) The Army Reserve, 13,000.

(3) The Navy Reserve, 6,200.

(4) The Marine Corps Reserve, 3,000.

(5) The Air National Guard of the United States, 16,000.

(6) The Air Force Reserve, 14,000.

Subtitle C—Authorization of Appropriations

SEC. 421. MILITARY PERSONNEL.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal year 2019 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 subsection (a) supersedes any other authorization of appropriations (definite or indefinite) for such purpose for fiscal year 2019.

SEC. 422. LIMITATION ON USE OF FUNDS FOR PERSONNEL IN FISCAL YEAR 2019 IN EXCESS OF STATUTORILY SPECIFIED END STRENGTHS FOR FISCAL YEAR 2018.

Notwithstanding any other provision of this title, funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2019 for military personnel may be not obligated or expended for a number of military personnel covered by an end strength in title IV of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) in excess of such end strength until the Secretary of Defense has submitted to the congressional defense committees the report required under subsection (b) of section 1041.

TITLE V—MILITARY PERSONNEL POLICY

Subtitle A—Officer Personnel Policy

PART I—OFFICER PERSONNEL MANAGEMENT REFORM

SEC. 501. REPEAL OF CODIFIED SPECIFICATION OF AUTHORIZED STRENGTHS OF CERTAIN COMMISSIONED OFFICERS ON ACTIVE DUTY.

Effective as of October 1, 2018, the text of section 523 of title 10, United States Code, is amended to read as follows:

"The total number of commissioned officers serving on active duty in the Army, Air Force, or Marine Corps in each of the grades of major, lieutenant colonel, or colonel, or in the Navy in each of the grades of lieutenant commander, commander, or captain, at the end of any fiscal year shall be as specifically authorized by Act of Congress for such fiscal year.".

SEC. 502. ANNUAL DEFENSE MANPOWER REQUIREMENTS REPORT MATTERS.

(a) DATE OF SUBMITTAL.—Subsection (a) of section 115a of title 10, United States Code, is amended in the matter preceding paragraph (1) by striking "not later than 45 days after the date on which" and inserting "on the date on which".

(b) SPECIFICATION OF ANTICIPATED OPPORTUNITIES FOR PROMOTION OF COMMISSIONED OFFICERS.—Subsection (d) of such section is amended by adding the following new paragraph:

"(4) The opportunities for promotion of commissioned officers anticipated to be estimated pursuant to section 623(b)(4) of this title for the fiscal year in which such report is submitted for purposes of promotion selection boards convened pursuant to section 611 of this title during such fiscal year.".

(c) ENUMERATION OF REQUIRED NUMBERS OF CERTAIN COMMISSIONED OFFICERS.—Such section is further amended by adding at the end the following new subsection:

"(i) In each such report, the Secretary shall also include a separate statement of the number of officers required for the next fiscal year in each grade as follows:

"(1) Major, lieutenant colonel, and colonel of each of the Army, the Air Force, and the Marine Corps.

"(2) Lieutenant commander, commander, and captain of the Navy.".

SEC. 503. REPEAL OF REQUIREMENT FOR ABILITY TO COMPLETE 20 YEARS OF SERVICE BY AGE 62 AS QUALIFICATION FOR ORIGINAL APPOINTMENT AS A REGULAR COMMISSIONED OFFICER.

(a) REPEAL.—Subsection (a) of section 532 of title 10, United States Code, is amended—

(1) by striking paragraph (2); and

(2) by redesignating paragraphs (3), (4), and (5) as paragraphs (2), (3), and (4), respectively.

(b) CONFORMING AMENDMENT.—Such section is further amended by striking subsection (d).

(c) EFFECTIVE DATE.—The amendments made by this section shall take effect on the date of the enactment of this Act, and shall apply with respect to original appointments of regular commissioned officers of the Armed Forces made on or after that date.

SEC. 504. ENHANCEMENT OF AVAILABILITY OF CONSTRUCTIVE SERVICE CREDIT FOR PRIVATE SECTOR TRAINING OR EXPERIENCE UPON ORIGINAL APPOINTMENT AS A COMMISSIONED OFFICER.

(a) REGULAR OFFICERS.—

(1) IN GENERAL.—Subsection (b) of section 533 of title 10, United States Code, is amended—

(A) in paragraph (1), by striking subparagraph (D) and inserting the following new subparagraph (D):

"(D) Additional credit for special training or experience in a particular officer career field as designated by the Secretary concerned, if such training or experience is directly related to the operational needs of the armed force concerned."; and

(B) in paragraph (2)—

(i) by striking "Except as authorized by the Secretary concerned in individual cases and under regulations prescribed by the Secretary of Defense in the case of a medical or dental officer, the amount" and inserting "The amount"; and

(ii) by striking "in the grade of major in the Army, Air Force, or Marine Corps or lieutenant commander in the Navy" and inserting "in the grade of colonel in the Army, Air Force, or Marine Corps or captain in the Navy".

(2) REPEAL OF TEMPORARY AUTHORITY FOR SERVICE CREDIT FOR CRITICALLY NECESSARY CYBERSPACE-RELATED EXPERIENCE.—Such section is further amended—

(A) in subsections (a)(2) and (c), by striking "or (g)"; and

(B) by striking subsection (g).

(b) RESERVE OFFICERS.—

(1) IN GENERAL.—Subsection (b) of section 12207 of title 10, United States Code, is amended—

(A) in paragraph (1), by striking subparagraph (D) and inserting the following new subparagraph (D):

"(D) Additional credit for special training or experience in a particular officer career field as designated by the Secretary concerned, if such training or experience is directly related to the operational needs of the armed force concerned."; and

(B) by striking paragraph (3) and inserting the following new paragraph (3):

"(3) The amount of constructive service credit credited to an officer under this subsection may not exceed the amount required in order for the officer to be eligible for an original appointment as a reserve officer of the Army, Air Force, or Marine Corps in the grade of colonel or as a reserve officer of the Navy in the grade of captain.".

(2) REPEAL OF TEMPORARY AUTHORITY FOR SERVICE CREDIT FOR CRITICALLY NECESSARY CYBER-

SPACE-RELATED EXPERIENCE.—Such section is further amended—

(A) by striking subsection (e);

(B) by redesignating subsections (f) and (g) as subsections (e) and (f), respectively; and

(C) in subsection (e), as redesignated by subparagraph (B), by striking ", (d), or (e)" and inserting "or (d)".

SEC. 505. STANDARDIZED TEMPORARY PROMOTION AUTHORITY ACROSS THE MILITARY DEPARTMENTS FOR OFFICERS IN CERTAIN GRADES WITH CRITICAL SKILLS.

(a) STANDARDIZED TEMPORARY PROMOTION AUTHORITY.—

(1) IN GENERAL.—Chapter 35 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 605. Promotion to certain grades for officers with critical skills: colonel, lieutenant colonel, major, captain; captain, commander, lieutenant commander, lieutenant

"(a) IN GENERAL.—An officer in the grade of first lieutenant, captain, major, or lieutenant colonel in the Army, Air Force, or Marine Corps, or lieutenant (junior grade), lieutenant, lieutenant commander, or commander in

the Navy, who is described in subsection (b) may be temporarily promoted to the grade of captain, major, lieutenant colonel, or colonel in the Army, Air Force, or Marine Corps, or lieutenant, lieutenant commander, commander, or captain in the Navy, as applicable, under regulations prescribed by the Secretary of the military department concerned. Appointments under this section shall be made by the President, by and with the advice and consent of the Senate.

"(b) COVERED OFFICERS.—An officer described in this subsection is any officer in a grade specified in subsection (a) who—

"(1) has a skill in which the armed force concerned has a critical shortage of personnel (as determined by the Secretary of the military department concerned); and

"(2) is serving in a position (as determined by the Secretary of the military department concerned) that—

"(A) is designated to be held by a captain, major, lieutenant colonel, or colonel in the Army, Air Force, or Marine Corps, or lieutenant, lieutenant commander, commander, or captain in the Navy, as applicable; and

"(B) requires that an officer serving in such position have the skill possessed by such officer.

"(c) STATUS OF OFFICERS APPOINTED.—

"(1) PRESERVATION OF POSITION AND STATUS.—An appointment under this section does not change the position on the active-duty list or the permanent, probationary, or acting status of the officer so appointed, prejudice the officer in regard to other promotions or appointments, or abridge the rights or benefits of the officer.

"(2) GRADE FOR PURPOSES OF ANNUAL DEFENSE MANPOWER REPORTS.—For purposes of section 115a of this title, an officer holding an appointment under this section is considered as serving in the grade of the temporary promotion this section.

"(d) BOARD RECOMMENDATION REQUIRED.—A temporary promotion under this section may be made only upon the recommendation of a board of officers convened by the Secretary of the military department concerned for the purpose of recommending officers for such promotions.

"(e) ACCEPTANCE AND EFFECTIVE DATE OF APPOINTMENT.—Each appointment under this section, unless expressly declined, is, without formal acceptance, regarded as accepted on the date such appointment is made, and a member so appointed is entitled to the pay and allowances

of the grade of the temporary promotion under this section from the date the appointment is made.

"(f) TERMINATION OF APPOINTMENT.—Unless sooner terminated, an appointment under this section terminates—

"(1) on the date the officer who received the appointment is promoted to the permanent grade of captain, major, lieutenant colonel, or colonel in the Army, Air Force, or Marine Corps, or lieutenant, lieutenant commander, commander, or captain in the Navy; or

"(2) on the date the officer is detached from a position described in subsection (b)(2), unless the officer is on a promotion list to the permanent grade of captain, major, lieutenant colonel, or colonel in the Army, Air Force, or Marine Corps, or lieutenant, lieutenant commander, commander, or captain in the Navy, in which case the appointment terminates on the date the officer is promoted to that grade.

"(g) LIMITATION ON NUMBER OF ELIGIBLE POSITIONS.—An appointment under this section may only be made for service in a position designated by the Secretary of the military department concerned for the purposes of this section. The number of positions so designated may not exceed the following:

"(1) In the case of the Army—

"(A) as captain, 120;

"(B) as major, 350;

"(C) as lieutenant colonel, 200; and

"(D) as colonel, 100.

"(2) In the case of the Air Force—

"(A) as captain, 100;

"(B) as major, 325;

"(C) as lieutenant colonel, 175; and

"(D) as colonel, 80.

"(3) In the case of the Marine Corps—

"(A) as captain, 50;

"(B) as major, 175;

"(C) as lieutenant colonel, 100; and

"(D) as colonel, 50.

"(4) In the case of the Navy—

"(A) as lieutenant, 100;

"(B) as lieutenant commander, 325;

"(C) as commander, 175; and

"(D) as captain, 80.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 35 of such title is amended by adding at the end the following new item:

"605. Promotion to certain grades for officers with critical skills: colonel, lieutenant colonel, major, captain; captain, commander, lieutenant commander, lieutenant.".

(b) REPEAL OF SUPERSEDED AUTHORITY APPLICABLE TO NAVY LIEUTENANTS.—

(1) REPEAL.—Chapter 544 of title 10, United States Code, is repealed.

(2) CLERICAL AMENDMENTS.—The tables of chapters at the beginning of title 10, United States Code, and at the beginning of subtitle C of such title, are each amended by striking the item relating to chapter 544.

SEC. 506. AUTHORITY FOR PROMOTION BOARDS TO RECOMMEND OFFICERS OF PARTICULAR MERIT BE PLACED HIGHER ON A PROMOTION LIST.

(a) DOPMA BOARDS.—

(1) IN GENERAL.—Section 616 of title 10, United States Code, is amended by adding at the end the following new subsection:

"(g)(1) In selecting the officers to be recommended for promotion, a selection board may, when authorized by the Secretary of the military department concerned, recommend officers of particular merit, from among those officers selected for promotion, to be placed higher on the promotion list established by the Secretary under section 624(a)(1) of this title.

"(2) An officer may be recommended to be placed higher on a promotion list under paragraph (1) only if the offi-

cer receives the recommendation of at least a majority of the members of the board, unless the Secretary concerned establishes an alternative requirement. Any such alternative requirement shall be furnished to the board as part of the guidelines furnished to the board under section 615 of this title.

"(3) For the officers recommended to be placed higher on a promotion list under paragraph (1), the board shall recommend the order in which those officers should be placed on the list.".

(2) PROMOTION SELECTION BOARD REPORTS RECOMMENDING OFFICERS OF PARTICULAR MERIT BE PLACED HIGHER ON PROMOTION LIST.—Section 617 of such title is amended by adding at the end the following new subsection:

"(d) A selection board convened under section 611(a) of this title shall, when authorized under section 616(g) of this title, include in its report to the Secretary concerned the names of those officers recommended by the board to be placed higher on the promotion list and the order in which the board recommends that those officers should be placed on the list.".

(3) OFFICERS OF PARTICULAR MERIT APPEARING HIGHER ON PROMOTION LIST.—Section 624(a)(1) of such title is amended in the first sentence by adding

at the end "or based on particular merit, as determined by the promotion board".

(b) ROPMA BOARDS.—

(1) IN GENERAL.—Section 14108 of title 10, United States Code, is amended by adding at the end the following new subsection:

"(f) OFFICERS OF PARTICULAR MERIT.—(1) In selecting the officers to be recommended for promotion, a promotion board may, when authorized by the Secretary of the military department concerned, recommend officers of particular merit, from among those officers selected for promotion, to be placed higher on the promotion list established by the Secretary under section 14308(a) of this title.

"(2) An officer may be recommended to be placed higher on a promotion list under paragraph (1) only if the officer receives the recommendation of at least a majority of the members of the board, unless the Secretary concerned establishes an alternative requirement. Any such alternative requirement shall be furnished to the board as part of the guidelines furnished to the board under section 14107 of this title.

"(3) For the officers recommended to be placed higher on a promotion list under paragraph (1), the board shall recommend the order in which those officers should be placed on the list.".

(2) PROMOTION BOARD REPORTS RECOMMENDING 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) OFFICERS OF PARTICULAR MERIT.—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 the names of those officers recommended by the board to be placed higher on the promotion list and the order in which the board recommends that those officers should be placed on the list.".

(3) OFFICERS OF PARTICULAR MERIT APPEARING HIGHER ON PROMOTION LIST.—Section 14308(a) of such title is amended in the first sentence by adding at the end "or based on particular merit, as determined by the promotion board".

SEC. 507. AUTHORITY FOR OFFICERS TO OPT OUT OF PROMOTION BOARD CONSIDERATION.

(a) ACTIVE-DUTY LIST OFFICERS.—Section 619 of title 10, United States Code, is amended—

(1) in subsection (d), by adding at the end the following new paragraph:

"(6) An officer excluded under subsection (e).";

and

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

"(e) AUTHORITY TO ALLOW OFFICERS TO OPT OUT OF SELECTION BOARD CONSIDERATION.—(1) The Secretary of a military department may provide that an officer under the jurisdiction of the Secretary may, upon the officer's request and with the approval of the Secretary, be excluded from consideration by a selection board convened under section 611(a) of this title to consider officers for promotion to the next higher grade.

"(2) The Secretary concerned may only approve a request under paragraph (1) if—

"(A) the basis for the request is to allow an officer to complete a broadening assignment, advanced education, another assignment of significant value to the Department, or a career progression requirement delayed by the assignment or education;

"(B) the Secretary determines the exclusion from consideration is in the best interest of the military department concerned; and

"(C) the officer has not previously failed of selection for promotion to the grade for which the officer requests the exclusion from consideration.".

(b) RESERVE ACTIVE-STATUS LIST OFFICERS.—Section 14301 of such title is amended—

(1) in subsection (c)—

(A) in the subsection heading, by striking "PREVIOUSLY SELECTED OFFICERS NOT ELIGIBLE" and inserting "CERTAIN OFFICERS NOT"; and

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

"(6) An officer excluded under subsection (j)."; and

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

"(j) AUTHORITY TO ALLOW OFFICERS TO OPT OUT OF SELECTION BOARD CONSIDERATION.—(1) The Secretary a military department may provide that an officer under the jurisdiction of the Secretary may, upon the officer's request and with the approval of the Secretary, be excluded from consideration by a selection board convened under section 14101(a) of this title to consider officers for promotion to the next higher grade.

"(2) The Secretary concerned may only approve a request under paragraph (1) if—

"(A) the basis for the request is to allow an officer to complete a broadening assignment, advanced education, another assignment of significant value to

the Department, or a career progression requirement delayed by the assignment or education;

"(B) the Secretary determines the exclusion from consideration is in the best interest of the military department concerned; and

"(C) the officer has not previously failed of selection for promotion to the grade for which the officer requests the exclusion from consideration.".

SEC. 508. COMPETITIVE CATEGORY MATTERS.

Section 621 of title 10, United States Code, is amended—

(1) by inserting "(a) COMPETITIVE CATEGORIES.—" before "Under regulations"; and

(2) by adding at the end the following new subsections:

"(b) BASES FOR COMPETITIVE CATEGORIES.—Competitive categories shall be established on the bases as follows:

"(1) Officers occupying similar officer qualifications, specialties, occupations, or ratings shall be grouped together.

"(2) Promotion timing, promotion opportunity, and officer career length shall each be tailored to particular officer qualifications, specialties, occupations, or ratings.

"(c) CONSISTENCY NOT REQUIRED IN PROMOTION TIMING OR OPPORTUNITY.—In establishing competitive categories, the Secretary of a military department shall not be required to provide consistency in promotion timing or promotion opportunity among competitive categories of the armed force concerned.".

SEC. 509. PROMOTION ZONE MATTERS.

(a) ALIGNMENT WITH ANNUAL DEFENSE MANPOWER REQUIREMENTS REPORTS.—Subsection (b) of section 623 of title 10, United States Code, is amended—

(1) in paragraph (3), by striking "and" at the end;

(2) in paragraph (4), by striking the period at the end and inserting "; and"; and

(3) by adding after paragraph (4) the following new paragraph (5):

"(5) the alignment of opportunities for promotion for officers considered by any particular selection board with opportunities for promotion in the next year as estimated pursuant to paragraph (4) and reported in the annual defense manpower requirements report covering such year under section 115a of this title.".

(b) PROHIBITION ON DETERMINATION OF OFFICERS IN PROMOTION ZONE BASED ON YEAR OF ORIGINAL APPOINTMENT TO CURRENT GRADE.—

(1) IN GENERAL.—Such section is further amended by adding at the end the following new subsection:

"(c) The Secretary concerned may not determine the number of officers in a promotion zone on the basis of the year in which officers receive their original appointment in their current grade.".

(2) EFFECTIVE DATE.—The amendment made by paragraph (1) shall take effect on the date of the enactment of this Act, and shall apply with respect to promotion zones established for promotion selection boards convened on or after that date.

SEC. 510. ALTERNATIVE PROMOTION AUTHORITY FOR OFFICERS IN DESIGNATED COMPETITIVE CATEGORIES OF OFFICERS.

(a) ALTERNATIVE PROMOTION AUTHORITY.—

(1) IN GENERAL.—Chapter 36 of title 10, United States Code, is amended by adding at the end the following new subchapter:

"SUBCHAPTER VI—ALTERNATIVE PROMOTION AUTHORITY FOR OFFICERS IN DESIGNATED COMPETITIVE CATEGORIES

"Sec.
"649a. Officers in designated competitive categories.
"649b. Selection for promotion.
"649c. Eligibility for consideration for promotion.
"649d. Opportunities for consideration for promotion.
"649e. Promotions.
"649f. Failure of selection for promotion.
"649g. Retirement: retirement for years of service; selective early retirement.
"649h. Continuation on active duty.
"649h-1. Continuation on active duty: officers in certain military specialties and career tracks.
"649i. Other administrative authorities.
"649j. Regulations.

"§ 649a. Officers in designated competitive categories

"(a) AUTHORITY TO DESIGNATE COMPETITIVE CATEGORIES OF OFFICERS.—Each Secretary of a military department may designate one or more competitive categories for promotion of officers under section 621 of this title that are under the jurisdiction of such Secretary as a competitive category of officers whose promotion, retirement, and continuation on active duty shall be subject to the provisions of this subchapter.

"(b) LIMITATION ON EXERCISE OF AUTHORITY.—The Secretary of a military department may not designate a competitive category of officers for purposes of this subchapter until 60 days after the date on which the Secretary submits to the Committees on Armed Services of the Senate and the House of Representatives a report on the designa-

tion of the competitive category. The report on the designation of a competitive category shall set forth the following:

"(1) A detailed description of officer requirements for officers within the competitive category.

"(2) An explanation of the number of opportunities for consideration for promotion to each particular grade, and an estimate of promotion timing, within the competitive category.

"(3) An estimate of the size of the promotion zone for each grade within the competitive category.

"(4) A description of any other matters the Secretary considered in determining to designate the competitive category for purposes of this subchapter.

"§ 649b. Selection for promotion

"(a) IN GENERAL.—Except as provided in this section, the selection for promotion of officers in any competitive category of officers designated for purposes of this subchapter shall be governed by the provisions of subchapter I of this chapter.

"(b) NO RECOMMENDATION FOR PROMOTION OF OFFICERS BELOW PROMOTION ZONE.—Section 616(b) of this title shall not apply to the selection for promotion of officers described in subsection (a).

"(c) RECOMMENDATION FOR OFFICERS TO BE EXCLUDED FROM FUTURE CONSIDERATION FOR PRO-

MOTION.—In making recommendations pursuant to section 616 of this title for purposes of the administration of this subchapter, a selection board convened under section 611(a) of this title may recommend that an officer considered by the board be excluded from future consideration for promotion under this chapter.

"§ 649c. Eligibility for consideration for promotion

"(a) IN GENERAL.—Except as provided by this section, eligibility for promotion of officers in any competitive category of officers designated for purposes of this subchapter shall be governed by the provisions of section 619 of this title.

"(b) INAPPLICABILITY OF CERTAIN TIME-IN-GRADE REQUIREMENTS.—Paragraphs (2) through (4) of section 619(a) of this title shall not apply to the promotion of officers described in subsection (a).

"(c) INAPPLICABILITY TO OFFICERS ABOVE AND BELOW PROMOTION ZONE.—The following provisions of section 619(c) of this title shall not apply to the promotion of officers described in subsection (a):

"(1) The reference in paragraph (1) of that section to an officer above the promotion zone.

"(2) Paragraph (2)(A) of that section.

"(d) INELIGIBILITY OF CERTAIN OFFICERS.—The following officers are not eligible for promotion under this subchapter:

"(1) An officer described in section 619(d) of this title.

"(2) An officer not included within the promotion zone.

"(3) An officer who has failed of promotion to a higher grade the maximum number of times specified for opportunities for promotion for such grade within the competitive category concerned pursuant to section 649d of this title.

"(4) An officer recommended by a selection board to be removed from consideration for promotion in accordance with section 649b(c) of this title.

"§ 649d. Opportunities for consideration for promotion

"(a) SPECIFICATION OF NUMBER OF OPPORTUNITIES FOR CONSIDERATION FOR PROMOTION.—In designating a competitive category of officers pursuant to section 649a of this title, the Secretary of a military department shall specify the number of opportunities for consideration for promotion to be afforded officers of the armed force concerned within the category for promotion to each grade

above the grade of first lieutenant or lieutenant (junior grade), as applicable.

"(b) LIMITED AUTHORITY OF SECRETARY OF MILITARY DEPARTMENT TO MODIFY NUMBER OF OPPORTUNITIES.—The Secretary of a military department may modify the number of opportunities for consideration for promotion to be afforded officers of an armed force within a competitive category for promotion to a particular grade, as previously specified by the Secretary pursuant subsection (a) or this subsection, not more frequently than once every five years.

"(c) DISCRETIONARY AUTHORITY OF SECRETARY OF DEFENSE TO MODIFY NUMBER OF OPPORTUNITIES.—The Secretary of Defense may modify the number of opportunities for consideration for promotion to be afforded officers of an armed force within a competitive category for promotion to a particular grade, as previously specified or modified pursuant to any provision of this section, at the discretion of the Secretary.

"(d) LIMITATION ON NUMBER OF OPPORTUNITIES SPECIFIED.—The number of opportunities for consideration for promotion to be afforded officers of an armed force within a competitive category for promotion to a particular grade, as specified or modified pursuant to any provision of this section, may not exceed five opportunities.

"(e) EFFECT OF CERTAIN REDUCTION IN NUMBER OF OPPORTUNITIES SPECIFIED.—If, by reason of a reduction in the number of opportunities for consideration for promotion under this section, an officer would no longer have one or more opportunities for consideration for promotion that were available to the officer before the reduction, the officer shall be afforded one additional opportunity for consideration for promotion after the reduction.

"§ 649e. Promotions

"Sections 620 through 626 of this title shall apply in promotions of officers in competitive categories of officers designated for purposes of this subchapter.

"§ 649f. Failure of selection for promotion

"(a) IN GENERAL.—Except as provided in this section, sections 627 through 632 of this title shall apply to promotions of officers in competitive categories of officers designated for purposes of this subchapter.

"(b) INAPPLICABILITY OF FAILURE OF SELECTION FOR PROMOTION TO OFFICERS ABOVE PROMOTION ZONE.—The reference in section 627 of this title to an officer above the promotion zone shall not apply in the promotion of officers described in subsection (a).

"(c) SPECIAL SELECTION BOARD MATTERS.—The reference in section 628(a)(1) of this title to a person above

the promotion zone shall not apply in the promotion of officers described in subsection (a).

"(d) EFFECT OF FAILURE OF SELECTION.—In the administration of this subchapter pursuant to subsection (a)—

"(1) an officer described in subsection (a) shall not be deemed to have failed twice of selection for promotion for purposes of section 629(e)(2) of this title until the officer has failed selection of promotion to the next higher grade the maximum number of times specified for opportunities for promotion to such grade within the competitive category concerned pursuant to section 649d of this title; and

"(2) any reference in section 631(a) or 632(a) of this title to an officer who has failed of selection for promotion to the next higher grade for the second time shall be deemed to refer instead to an officer described in subsection (a) who has failed of selection for promotion to the next higher grade for the maximum number of times specified for opportunities for promotion to such grade within the competitive category concerned pursuant to such section 649d.

"§ 649g. Retirement: retirement for years of service; selective early retirement

"(a) RETIREMENT FOR YEARS OF SERVICES.—Sections 633 through 636 of this title shall apply to the retirement of officers in competitive categories of officers designated for purposes of this subchapter.

"(b) SELECTIVE EARLY RETIREMENT.—Sections 638 and 638a of this title shall apply to the retirement of officers described in subsection (a).

"§ 649h. Continuation on active duty

"(a) IN GENERAL.—An officer subject to discharge or retirement pursuant to this subchapter may, subject to the needs of the service, be continued on active duty if the officer is selected for continuation on active duty in accordance with this section by a selection board convened under section 611(b) of this title.

"(b) IDENTIFICATION OF POSITIONS FOR OFFICERS CONTINUED ON ACTIVE DUTY.—

"(1) IN GENERAL.—Officers may be selected for continuation on active duty pursuant to this section only for assignment to positions identified by the Secretary of the military department concerned for which vacancies exist or are anticipated to exist.

"(2) IDENTIFICATION.—Before convening a selection board pursuant to section 611(b) of this title for purposes of selection of officers for continuation on

active duty pursuant to this section, the Secretary of the military department concerned shall specify for purposes of the board the positions identified by the Secretary to which officers selected for continuation on active duty may be assigned.

"(c) RECOMMENDATION FOR CONTINUATION.—A selection board may recommend an officer for continuation on active duty pursuant to this section only if the board determines that the officer is qualified for assignment to one or more positions identified pursuant to subsection (b) on the basis of skills, knowledge, and behavior required of an officer to perform successfully in such position or positions.

"(d) APPROVAL OF SECRETARY OF MILITARY DEPARTMENT.—Continuation of an officer on active duty under this section pursuant to the action of a selection board is subject to the approval of the Secretary of the military department concerned.

"(e) NONACCEPTANCE OF CONTINUATION.—An officer who is selected for continuation on active duty pursuant to this section, but who declines to continue on active duty, shall be discharged or retired, as appropriate, in accordance with section 632 of this title.

"(f) PERIOD OF CONTINUATION.—

"(1) IN GENERAL.—An officer continued on active duty pursuant to this section shall remain on ac-

tive duty, and serve in the position to which assigned (or in another position to which assigned with the approval of the Secretary of the military department concerned), for a total of not more than three years afer the date of assignment to the position to which first so assigned.

"(2) ADDITIONAL CONTINUATION.—An officer whose continued service pursuant to this section would otherwise expire pursuant to paragraph (1) may be continued on active duty if selected for continuation on active duty in accordance with this section before the date of expiration pursuant to that paragraph.

"(g) EFFECT OF EXPIRATION OF CONTINUATION.—Each officer continued on active duty pursuant to this subsection who is not selected for continuation on active duty pursuant to subsection (f)(2) at the completion of the officer's term of continued service shall, unless sooner discharged or retired under another provision of law—

"(1) be discharged upon the expiration of the term of continued service; or

"(2) if eligible for retirement under another other provision of law, be retired under that law on the first day of the first month following the month in

which the officer completes the term of continued service.

"(h) TREATMENT OF DISCHARGE OR RETIREMENT.—The discharge or retirement of an officer pursuant to this section shall be considered to be an involuntary discharge or retirement for purposes of any other provision of law.

"§ 649h-1. Continuation on active duty: officers in certain military specialties and career tracks

"In addition to continuation on active duty provided for in section 649h of this title, an officer to whom section 637a of this title applies may be continued on active duty in accordance with the provisions of such section 637a.

"§ 649i. Other administrative authorities

"(a) IN GENERAL.—The following provisions of this title shall apply to officers in competitive categories of officers designated for purposes of this subchapter:

"(1) Section 638b, relating to voluntary retirement incentives.

"(2) Section 639, relating to continuation on active duty to complete disciplinary action.

"(3) Section 640, relating to deferment of retirement or separation for medical reasons.

"§ 649j. Regulations

"The Secretary of Defense shall prescribe regulations regarding the administration of this subchapter. The ele-

ments of such regulations shall include mechanisms to clarify the manner in which provisions of other subchapters of this chapter shall be used in the administration of this subchapter in accordance with the provisions of this subchapter.".

(2) CLERICAL AMENDMENT.—The table of subchapters at the beginning of chapter 36 of such title is amended by adding at the end the following new item:

"VI. Alternative Promotion Authority for Officers in Designated Competitive Categories ..... 649a".

(b) REPORT.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall, in consultation with the Secretaries of the military departments, submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the authorities in subchapter VI of chapter 36 of title 10, United States Code (as added by subsection (a)).

(2) ELEMENTS.—The report shall include the following:

(A) A detailed analysis and assessment of the manner in which the exercise of the authorities in subchapter VI of chapter 36 of title 10, United States Code (as so added), will effect the

career progression of commissioned officers in the Armed Forces.

(B) A description of the competitive categories of officers that are anticipated to be designated as competitive categories of officers for purposes of such authorities.

(C) A plan for implementation of such authorities.

(D) Such recommendations for legislative or administrative action as the Secretary of Defense considers appropriate to improve or enhance such authorities.

SEC. 511. APPLICABILITY TO ADDITIONAL OFFICER GRADES OF AUTHORITY FOR CONTINUATION ON ACTIVE DUTY OF OFFICERS IN CERTAIN MILITARY SPECIALTIES AND CAREER TRACKS.

Section 637a(a) of title 10, United States Code, is amended—

(1) by striking "grade O–4" and inserting "grade O–2"; and

(2) by inserting "632," before "633,".

PART II—OTHER MATTERS

SEC. 516. MATTERS RELATING TO SATISFACTORY SERVICE IN GRADE FOR PURPOSES OF RETIREMENT GRADE OF OFFICERS IN HIGHEST GRADE OF SATISFACTORY SERVICE.

(a) CONDITIONAL DETERMINATIONS OF GRADE OF SATISFACTORY SERVICE.—

(1) IN GENERAL.—Subsection (a)(1) of section 1370 of title 10, United States Code, is amended by adding at the end the following new sentences: "When an officer is under investigation for alleged misconduct at the time of retirement, the Secretary concerned may conditionally determine the highest grade of satisfactory service of the officer pending completion of the investigation. Such grade is subject to reopening in accordance with subsection (f).".

(2) OFFICERS IN O–9 AND O–10 GRADES.—Subsection (c) of such section is amended by adding at the end the following new paragraph:

"(4) The Secretary of Defense may make a conditional certification regarding satisfactory service in grade under paragraph (1) with respect to an officer under that paragraph notwithstanding the fact that there is pending the disposition of an adverse personnel action against the officer for alleged misconduct. The retired grade of an officer

following such a conditional certification is subject to reopening in accordance with subsection (f).".

(3) RESERVE OFFICERS.—Subsection (d)(1) of such section is amended by adding at the end the following new sentences: "When an officer is under investigation for alleged misconduct at the time of retirement, the Secretary concerned may conditionally determine the highest grade of satisfactory service of the officer pending completion of the investigation. Such grade is subject to reopening in accordance with subsection (f).".

(b) DETERMINATIONS OF SATISFACTORY SERVICE.—Such section is further amended—

(1) by redesignating subsection (e) as subsection (g); and

(2) by inserting after subsection (d) the following new subsection (e):

"(e) DETERMINATIONS OF SATISFACTORY SERVICE IN GRADE.—The determination whether an officer's service in grade is satisfactory for purposes of any provision of this section shall—

"(1) be based on quantative and qualitative considerations;

"(2) take into account both acts and omissions; and

"(3) take into account service in current grade and in any prior grade in which served (whether a lower or higher grade).".

(c) FINALITY OF RETIRED GRADE DETERMINATIONS.—Such section is further amended by inserting after subsection (e), as amended by subsection (b) of this section, the following new subsection:

"(f) FINALITY OF RETIRED GRADE DETERMINATIONS.—(1) Except as otherwise provided by law, a determination or certification of the retired grade of an officer pursuant to this section is administratively final on the day the officer is retired, and may not be reopened.

"(2) A determination or certification of the retired grade of an officer may be reopened as follows:

"(A) If the retirement or retired grade of the officer was procured by fraud.

"(B) If substantial evidence comes to light after the retirement that could have led to a lower retired grade under this section if known by competent authority at the time of retirement.

"(C) If a mistake of law or calculation was made in the determination of the retired grade.

"(D) In the case of a retired grade following a conditional determination under subsection (a)(1) or (d)(1) or conditional certification under subsection

(c)(4), if the investigation of or personnel action against the officer, as applicable, results in adverse findings.

"(E) If the Secretary concerned determines, pursuant to regulations prescribed by the Secretary of Defense, that good cause exists to reopen the determination or certification.

"(3) If a determination or certification of the retired grade of an officer is reopened, the Secretary concerned—

"(A) shall notify the officer of the reopening; and

"(B) may not make an adverse determination on the retired grade of the officer until the officer has had a reasonable opportunity to respond regarding the basis of the reopening.

"(4) If a certification of the retired grade of an officer covered by subsection (c) is reopened, the Secretary concerned shall also notify the President and Congress of the reopening.

"(5) If the retired grade of an officer is reduced through the reopening of the officer's retired grade, the retired pay of the officer under chapter 71 of this title shall be recalculated, and any modification of the retired pay of the officer shall go into effect on the effective date of the reduction of the officer's retired grade.".

(d) 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 officers who retire from the Armed Forces on or after that date.

SEC. 517. REDUCTION IN NUMBER OF YEARS OF ACTIVE NAVAL SERVICE REQUIRED FOR PERMANENT APPOINTMENT AS A LIMITED DUTY OFFICER.

Section 5589(d) of title 10, United States Code, is amended by striking "10 years" and inserting "8 years".

SEC. 518. REPEAL OF ORIGINAL APPOINTMENT QUALIFICATION REQUIREMENT FOR WARRANT OFFICERS IN THE REGULAR ARMY.

(a) IN GENERAL.—Section 3310 of title 10, United States Code, is repealed.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 335 of such title is amended by striking the item relating to section 3310.

SEC. 519. UNIFORM GRADE OF SERVICE OF THE CHIEFS OF CHAPLAINS OF THE ARMED FORCES.

The grade of service as Chief of Chaplains of the Army, Chief of Chaplains of the Navy, and Chief of Chaplains of the Air Force of an officer serving in such position shall be such grade as the Secretary of Defense shall specify. The grade of service shall be the same for service in each such position.

SEC. 520. WRITTEN JUSTIFICATION FOR APPOINTMENT OF CHIEFS OF CHAPLAINS IN GRADE BELOW GRADE OF MAJOR GENERAL OR REAR ADMIRAL.

(a) CHIEF OF CHAPLAINS OF THE ARMY.—Section 3036 of title 10, United States Code, is amended by adding at the end the following new subsection:

"(h) If an individual is appointed Chief of Chaplains in a regular grade below the grade of major general, the Secretary of the Army shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth in writing the justification for the appointment of the individual as Chief of Chaplains in such lower grade.".

(b) CHIEF OF CHAPLAINS OF THE NAVY.—Section 5142(b) of such title is amended—

(1) by inserting "(1)" after "(b)"; and

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

"(2) If an individual is appointed Chief of Chaplains in a regular grade below the grade of rear admiral, the Secretary of the Navy shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth in writing the justification for the appointment of the individual as Chief of Chaplains in such lower grade.".

(c) CHIEF OF CHAPLAINS OF THE AIR FORCE.—Section 8039(a) of such title is amended—

(1) by redesignating paragraphs (2) and (3) as paragraphs (3) and (4), respectively; and

(2) by inserting after paragraph (1) the following new paragraph (2):

"(2) If an individual is appointed Chief of Chaplains in a regular grade below the grade of major general, the Secretary of the Air Force shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth in writing the justification for the appointment of the individual as Chief of Chaplains in such lower grade.".

Subtitle B—Reserve Component Management

SEC. 521. AUTHORITY TO ADJUST EFFECTIVE DATE OF PROMOTION IN THE EVENT OF UNDUE DELAY IN EXTENDING FEDERAL RECOGNITION OF PROMOTION.

(a) IN GENERAL.—Section 14308(f) of title 10, United States Code, is amended—

(1) by inserting "(1)" before "The effective date of promotion"; and

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

"(2) If the Secretary concerned determines that there was an undue delay in extending Federal recognition in the next higher grade in the Army National Guard or the Air National Guard to a reserve commissioned officer of the Army or the Air Force, and the delay was not attributable to the action (or inaction) of such officer, the effective date of the promotion concerned under paragraph (1) may be adjusted to a date determined by the Secretary concerned, but not earlier than the effective date of the State promotion.".

(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 promotions of officers whose State effective date is on or after that date.

SEC. 522. AUTHORITY TO DESIGNATE CERTAIN RESERVE OFFICERS AS NOT TO BE CONSIDERED FOR SELECTION FOR PROMOTION.

Section 14301 of title 10, United States Code, is amended by adding at the end the following new subsection:

"(j) CERTAIN OFFICERS NOT TO BE CONSIDERED FOR SELECTION FOR PROMOTION.—The Secretary of the military department concerned may provide that an officer who is in an active status, but is in a duty status in which the only points the officer accrues under section 12732(a)(2) of this title are pursuant to subparagraph (C)(i) of that

section (relating to membership in a reserve component), shall not be considered for selection for promotion until completion of two years of service in such duty status. Any such officer may remain on the reserve active-status list.".

SEC. 523. EXPANSION OF PERSONNEL SUBJECT TO AUTHORITY OF THE CHIEF OF THE NATIONAL GUARD BUREAU IN THE EXECUTION OF FUNCTIONS AND MISSIONS OF THE NATIONAL GUARD BUREAU.

Section 10508(b)(1) of title 10, United States Code, is amended by striking "sections 2103," and all that follows through "of title 32," and inserting "sections 2102, 2103, 2105, and 3101, and subchapter IV of chapter 53, of title 5, or sections 328 and 709 of title 32,".

SEC. 524. REPEAL OF PROHIBITION ON SERVICE ON ARMY RESERVE FORCES POLICY COMMITTEE BY MEMBERS ON ACTIVE DUTY.

Section 10302 of title 10, United States Code, is amended—

(1) in subsection (b), by striking "not on active duty" each place it appears; and

(2) in subsection (c)—

(A) by inserting "of the reserve components" after "among the members"; and

(B) by striking "not on active duty".

Subtitle C—General Service Authorities

SEC. 531. ASSESSMENT OF NAVY STANDARD WORKWEEK AND RELATED ADJUSTMENTS.

(a) ASSESSMENT.—The Secretary of the Navy shall conduct a comprehensive assessment of the Navy standard workweek.

(b) OTHER REQUIREMENTS.—The Secretary shall—

(1) update Office of the Chief of Naval Operations Instruction 1000.16L in order to—

(A) obtain an examination of current in-port workloads; and

(B) identify the manpower necessary to execute in-port workload for all surface ship classes;

(2) update the criteria used in the Instruction referred to in paragraph (1) that are used to reassess the factors used to calculate manpower requirements periodically or when conditions change; and

(3) using the updates required by paragraphs (1) and (2), identify personnel needs and costs associated with the planned larger size of the Navy fleet.

(c) ADDED DEMANDS.—The Secretary shall identify and quantify added demands on Navy ship crews, including Ready Relevant Learning training periods and additional

work that affects readiness and technical qualifications for Navy ship crews.

(d) DEADLINE.—The Secretary shall complete carrying out the requirements in this section by not later than 180 days after the date of the enactment of this Act.

SEC. 532. MANNING OF FORWARD DEPLOYED NAVAL FORCES.

Commencing not later than October 1, 2019, the Secretary of the Navy shall implement a policy to man ships homeported overseas (commonly referred to as "Forward Deployed Naval Forces") at manning levels not less than the levels established for each ship class or type of unit, including any adjustments resulting from as a result of changes from actions in connection with section 531, relating to an assessment of the Navy standard workweek and related adjustments.

SEC. 533. NAVY WATCHSTANDER RECORDS.

(a) IN GENERAL.—The Secretary of the Navy shall require that, commencing not later than 180 days after the date of the enactment of this Act, key watchstanders on Navy surface ships shall maintain a career record of watchstanding hours and specific operational evolutions.

(b) KEY WATCHSTANDER DEFINED.—In this section, the term "key watchstander" means each of the following:

(1) Officer of the Deck.

(2) Any other officer specified by the Secretary for purposes of this section.

SEC. 534. QUALIFICATION EXPERIENCE REQUIREMENTS FOR CERTAIN NAVY WATCHSTATIONS.

(a) IN GENERAL.—Not later than 90 days after the date the of enactment of this Act, the Secretary of the Navy shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the adequacy of individual training for certain watchstations, including any planned or recommended changes in qualification standards for such watchstations.

(b) WATCHSTATIONS.—The watchstations covered by the report required by subsection (a) are the following:

(1) Officer of the Deck.

(2) Combat Information Center Watch Officer.

(3) Tactical Action Officer.

SEC. 535. REPEAL OF 15-YEAR STATUTE OF LIMITATIONS ON MOTIONS OR REQUESTS FOR REVIEW OF DISCHARGE OR DISMISSAL FROM THE ARMED FORCES.

(a) REPEAL.—Section 1553(a) of title 10, United States Code, is amended by striking the second sentence.

(b) EFFECTIVE DATE.—The amendment made by this section shall take effect on October 1, 2019.

SEC. 536. TREATMENT OF CLAIMS RELATING TO MILITARY SEXUAL TRAUMA IN CORRECTION OF MILITARY RECORDS AND REVIEW OF DISCHARGE OR DISMISSAL PROCEEDINGS.

(a) CORRECTION OF MILITARY RECORDS.—

(1) IN GENERAL.—Subsection (h) of section 1552 of title 10, United States Code, is amended in paragraphs (1) and (2)(B), by striking "post-traumatic stress disorder or traumatic brain injury" and inserting "post-traumatic stress disorder, traumatic brain injury, or military sexual trauma".

(2) QUARTERLY REPORTS.—Subsection (i)(1) of such section is amended by inserting ", or an experience of military sexual trauma," after "traumatic brain injury".

(b) REVIEW OF DISCHARGE OR DISMISSAL.—Section 1553(d) of such title is amended—

(1) by striking "or traumatic brain injury" each place it appears (other than the second place it appears in paragraph (3)(B)) and inserting ", traumatic brain injury, or military sexual trauma"; and

(2) in paragraph (3)(B), by inserting "and" before "whose" the second place it appears.

Subtitle D—Military Justice Matters

SEC. 541. PUNITIVE ARTICLE ON DOMESTIC VIOLENCE UNDER THE UNIFORM CODE OF MILITARY JUSTICE.

(a) PUNITIVE ARTICLE.—

(1) IN GENERAL.—Subchapter X of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), is amended by inserting after section 928a (article 128a) the following new section (article):

"§ 928b. Art. 128b. Domestic violence

"(a) IN GENERAL.—Any person who—

"(1) commits a violent offense against a spouse, an intimate partner, or an immediate family member of that person;

"(2) with intent to threaten or intimidate a spouse, an intimate partner, or an immediate family member of that person—

"(A) commits an offense under this chapter against any person; or

"(B) commits an offense under this chapter against any property, including an animal;

"(3) with intent to threaten or intimidate a spouse, an intimate partner, or an immediate family member of that person, violates a protection order;

"(4) with intent to commit a violent offense against a spouse, an intimate partner, or an immediate family member of that person, violates a protection order; or

"(5) assaults a spouse, an intimate partner, or an immediate family member of that person by strangling or suffocating;

shall be punished as a court-martial may direct.

"(b) DEFINITIONS.—In this section (article):

"(1) IMMEDIATE FAMILY.—The term 'immediate family', with respect to an accused, means a spouse, parent, brother or sister, child of the accused, a person to whom the accused stands in loco parentis, and any other person who lives in the household involved and is related by blood or marriage to the accused.

"(2) INTIMATE PARTNER.—The term 'intimate partner', with respect to an accused, means—

"(A) a former spouse of the accused;

"(B) a person who has a child in common with the accused;

"(C) a person who cohabits or has cohabited as a spouse with the accused; or

"(D) a person who is or has been in a social relationship of a romantic or intimate nature with the accused, as determined by the length of the relationship, the type of relationship, and the frequency of interaction between the person and the accused.

"(3) PROTECTION ORDER.—The term 'protection order' means—

"(A) a military protective order enforceable under section 890 of this title (article 90); or

"(B) a protection order, as defined in section 2266 of title 18 and, if issued by a State, Indian tribal, or territorial court, is in accordance with the standards specified in section 2265 of such title.

"(4) STRANGLING.—The term 'strangling' means intentionally or knowingly impeding the normal breathing or circulation of the blood of a person by applying pressure to the throat or neck, regardless of whether the impeding results in any visible injury or whether there is any intent to kill or protractedly injure the victim.

"(5) SUFFOCATING.—The term 'suffocating' means intentionally or knowingly impeding the normal breathing of a person by covering the mouth or

the nose, regardless of whether the impeding results in any visible injury or whether there is any intent to kill or protractedly injure the victim.

"(6) VIOLENT OFFENSE.—The term 'violent offense' means a violation of any of the provisions of this chapter as follows:

"(A) Section 918 of this title (article 118).

"(B) Section 919(a) of this title (article 119(a)).

"(C) Section 919a of this title (article 119a).

"(D) Section 920 of this title (article 120).

"(E) Section 920b of this title (article 120b).

"(F) Section 922 of this title (article 122).

"(G) Section 925 of this title (article 125).

"(H) Section 926 of this title (article 126).

"(I) Section 928 of this title (article 128).

"(J) Section 928a of this title (article 128a).

"(K) Section 930 of this title (article 130).".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter X of chapter 47 of such title (the Uniform Code of Military Justice)

is amended by inserting after the item relating to section 928a (article 128a) the following new item:

"928b. 128b. Domestic violence.".

(b) EFFECTIVE DATE.—The amendments made by this section shall take effect on January 1, 2019, immediately after the coming into effect of the amendments made by the Military Justice Act of 2016 (division E of Public Law 114–328) as provided in section 5542 of that Act (130 Stat. 2967; 10 U.S.C. 801 note).

SEC. 542. INCLUSION OF STRANGULATION AND SUFFOCATION IN CONDUCT CONSTITUTING AGGRAVATED ASSAULT FOR PURPOSES OF THE UNIFORM CODE OF MILITARY JUSTICE.

(a) IN GENERAL.—Subsection (b) of section 928 of title 10, United States Code (article 128 of the Uniform Code of Military Justice), is amended—

(1) in paragraph (1), by striking "or" at the end;

(2) in paragraph (2), by adding "or" after the semicolon; and

(3) by inserting after paragraph (2) the following new paragraph:

"(3) who commits an assault by strangulation or suffocation;".

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on January 1, 2019, imme-

diately after the coming into effect of the amendment made by section 5441 of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2954) as provided in section 5542 of that Act (130 Stat. 2967; 10 U.S.C. 801 note).

SEC. 543. AUTHORITIES OF DEFENSE ADVISORY COMMITTEE ON INVESTIGATION, PROSECUTION, AND DEFENSE OF SEXUAL ASSAULT IN THE ARMED FORCES.

Section 546 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (10 U.S.C. 1561 note) is amended—

(1) by redesignating subsections (d) and (e) as subsections (e) and (f), respectively; and

(2) by inserting after subsection (c) the following new subsection (d):

"(d) AUTHORITIES.—

"(1) HEARINGS.—The Advisory Committee may hold such hearings, sit and act at such times and places, take such testimony, and receive such evidence as the committee considers appropriate to carry out its duties under this section.

"(2) INFORMATION FROM FEDERAL AGENCIES.—Upon request by the chair of the Advisory Committee, a department or agency of the Federal Government

shall provide information that the Advisory Committee considers necessary to carry out its duties under this section.".

SEC. 544. PROTECTIVE ORDERS AGAINST INDIVIDUALS SUBJECT TO THE UNIFORM CODE OF MILITARY JUSTICE.

(a) PROTECTIVE ORDERS.—

(1) IN GENERAL.—Subchapter II of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), is amended by inserting after section 809 (article 9) the following new section (article):

"§ 809a. Art. 9a. Protective orders

"(a) ISSUANCE AUTHORIZED.—

"(1) IN GENERAL.—In accordance with such regulations as the President may prescribe and subject to the provisions of this section, upon proper application therefor pursuant to subsection (b), a military judge or military magistrate may issue the following:

"(A) A protective order described in subsection (c) on an emergency basis against a person subject to this chapter.

"(B) A protective order described in subsection (c), other than a protective order on an emergency basis, against a person subject to this chapter.

"(2) OTHER PROTECTIVE ORDERS.—Nothing in this section may be construed as limiting or altering any authority of a military judge or military magistrate to issue a protective order, other than a protective order described in subsection (c), against a person subject to this chapter under any other provision of law or regulation.

"(b) APPLICATION.—

"(1) IN GENERAL.—Application for a protective order under this section shall be made in accordance with such requirements and procedures as the President shall prescribe. Such requirements and procedures shall, to the extent practicable, conform to the requirements and procedures generally applicable to applications for protective orders in civilian jurisdictions of the United States.

"(2) ELIGIBILITY.—Application for a protective order may be made by any individual. The regulations prescribed for purposes of this section may not limit eligibility for application to judge advocates or other attorneys or to military commanders or other members of the armed forces.

"(c) PROTECTIVE ORDERS.—

"(1) IN GENERAL.—A protective order described in this subsection is an order that—

"(A) restrains a person from harassing, stalking, threatening, or otherwise contacting or communicating with another person who stands in relation to the person as described in subsection (d)(8) or (g)(8) of section 922 of title 18, or engaging in other conduct that would place such other person in reasonable fear of bodily injury to any such other person; and

"(B) by its terms, explicitly prohibits—

"(i) the use, attempted use, or threatened use of physical force by the person against another person who stands in relation to the person as described in subsection (d)(8) or (g)(8) of section 922 of title 18 that would reasonably be expected to cause bodily injury;

"(ii) the initiation by the person restrained of any contact or communication with such other person; or

"(iii) actions described by both clauses (i) and (ii).

"(2) DEFINITIONS.—In this subsection:

"(A) The term 'contact' includes contact in person or through a third party, or through gifts,

"(B) The term 'communication' includes communication in person or through a third party, and by telephone or in writing by letter, data fax, or other electronic means.

"(d) DUE PROCESS.—

"(1) PROTECTION OF DUE PROCESS.—Except as provided in paragraph (2), a protective order described in subsection (c) may only be issued after the person to be subject to the order has received such notice and opportunity to be heard on the order as the President shall prescribe.

"(2) EMERGENCY ORDERS.—A protective order on an emergency basis may be issued on an ex parte basis under such rules and limitations as the President shall prescribe.

"(e) NATURE AND SCOPE OF PROTECTIVE ORDERS.—The President shall prescribe any requirements or limitations applicable to nature and scope of protective orders described in subsection (c), including requirements and limitations relating to the following:

"(1) The duration of protective orders on an emergency basis, and of other protective orders.

"(2) The scope of protective orders on an emergency basis, and of other protective orders.

"(f) COMMAND MATTERS.—

"(1) DELIVERY TO COMMANDER.—A copy of a protective order described in subsection (c) against a member of the armed forces shall be provided to such commanding officer in the chain of command of the member as the President shall prescribe for purposes of this section.

"(2) INCLUSION IN PERSONNEL FILE.—Any protective order described in subsection (c) against a member shall be placed and retained in the military personnel file of the member.

"(3) NOTICE TO CIVILIAN LAW ENFORCEMENT OF ISSUANCE.—Any protective order described in subsection (c) against a member shall be treated as a military protective order for purposes of section 1567a of this title, including for purposes of mandatory notification of issuance to civilian law enforcement as required by that section.

"(4) AUTHORITY OF COMMANDING OFFICERS.—Nothing in this section may be construed as prohibiting a commanding officer from issuing or enforcing any otherwise lawful order in the nature of a protective order described in subsection (c) to or against members of the officer's command.

"(g) DELIVERY TO CERTAIN PERSONS.—A physical copy of any protective order described in subsection (c) shall

be provided, as soon as practicable after issuance, to the following:

"(1) The person or persons protected by the protective order or to the guardian of such a person if such person is under the age of 18 years.

"(2) The person subject to the protective order.

"(h) ENFORCEMENT.—A protective order described in subsection (c) shall be enforceable by a military judge or military magistrate under such rules, and subject to such requirements and limitations, as the President shall prescribe.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter II of chapter 47 of such title is amended by inserting after the item relating to section 809 (article 9) the following new item:

"809a. 9a. Protective orders.".

(b) AUTHORITY OF MILITARY MAGISTRATES.—

(1) IN GENERAL.—Section 826a(b) of title 10, United States Code (article 26a(b) of the Uniform Code of Military Justice), is amended by striking "819 or 830a of this title (article 19 or 30a)" and inserting "809a, 819, or 830 of this title (article 9a, 19, or 30a)".

(2) EFFECTIVE DATE.—The amendment made by paragraph (1) shall take effect on January 1, 2019,

immediately after the coming into effect pursuant to section 5542 of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2967; 10 U.S.C. 801 note) of the amendment made by section 5185 of the Military Justice Act of 2016 (130 Stat. 2902), to which the amendment made by paragraph (1) relates.

SEC. 545. EXPANSION OF ELIGIBILITY FOR SPECIAL VICTIMS' COUNSEL SERVICES.

(a) IN GENERAL.—Subsection (a) of section 1044e of title 10, United States Code, is amended by striking "alleged sex-related offense" each place it appears and inserting "alleged covered violence offense".

(b) TYPES OF LEGAL ASSISTANCE AUTHORIZED.—Subsection (b) of such section is amended—

(1) by striking "the alleged sex-related offense" each place it appears and inserting "the alleged covered violence offense"; and

(2) in paragraph (3), by inserting "if and as applicable," after "or domestic abuse advocate,".

(c) AVAILABILITY OF SVCS.—Such section is further amended—

(1) in subsection (b)(10), by striking "subsection (h)" and inserting "subsection (j)";

(2) by redesignating subsections (g) and (h) as subsections (i) and (j), respectively;

(3) in subsection (f)—

(A) by striking the subsection heading and inserting "AVAILABILITY OF SVCS IN CONNECTION WITH SEX-RELATED OFFENSES.—"; and

(B) in paragraph (1), by inserting "an alleged covered violence offense that is" before "an alleged sex-related offense" the first place it appears; and

(4) by inserting after subsection (f) the following new subsections:

"(g) AVAILABILITY OF SVCS IN CONNECTION WITH DOMESTIC VIOLENCE OFFENSES.—(1) An individual described in subsection (a)(2) who is the victim of an alleged covered violence offense that is an alleged domestic violence offense shall be offered the option of receiving assistance from a Special Victims' Counsel upon report of an alleged domestic violence offense or at the time the victim seeks assistance from a Family Advocate, a domestic violence victim advocate, a military criminal investigator, a victim/witness liaison, a trial counsel, a healthcare provider, or any other personnel designated by the Secretary concerned for purposes of this subsection.

"(2) Paragraphs (2) and (3) of subsection (f) shall apply to the availability of Special Victims' Counsel under this subsection to victims of an alleged domestic violence offense.

"(h) AVAILABILITY OF SVCS IN CONNECTION WITH OTHER COVERED VIOLENCE OFFENSES.—An individual described in subsection (a)(2) who is the victim of an alleged covered violence offense (other than an alleged offense covered by subsection (f) or (g)) shall be offered the option of receiving assistance from a Special Victims' Counsel upon report of such alleged covered violence offense or at the time the victim seeks assistance from a military criminal investigator, a victim/witness liaison, a trial counsel, a healthcare provider, or any other personnel designated by the Secretary concerned for purposes of this subsection.".

(d) DEFINITIONS.—Subsection (i) of such section, as redesignated by subsection (c)(2) of this section, is further amended to read as follows:

"(i) DEFINITIONS.—In this section:

"(1) ALLEGED COVERED VIOLENCE OFFENSE.—The term 'alleged covered violence offense' means any allegation of the following:

"(A) A violation of section 918, 919, 919a, 920, 920b, 925, 928a, or 930 of this title (article

118, 119, 119a, 120, 120b, 125, 128a, or 130 of the Uniform Code of Military Justice).

"(B) A violation of subsection (b) of section 928 of this title (article 128 of the Uniform Code of Military Justice), if the offense was aggravated.

"(C) A violation of any other provision of chapter 47 of this title (the Uniform Code of Military Justice) that the Secretary of Defense and the Secretary of Homeland Security jointly specify as an alleged covered violence offense for purposes of this section.

"(D) An attempt to commit an offense specified in subparagraph (A), (B), or (C) as punishable under section 880 of this title (article 80 of the Uniform Code of Military Justice).

"(E) A conspiracy to commit an offense specified in subparagraph (A), (B), or (C) as punishable under section 881 of this title (article 81 of the Uniform Code of Military Justice).

"(F) A solicitation to commit an offense specified in subparagraph (A), (B), or (C) as punishable under section 882 of this title (article 82 of the Uniform Code of Military Justice).

"(2) ALLEGED DOMESTIC VIOLENCE OFFENSE.—The term 'alleged domestic violence offense' means any allegation of the following:

"(A) A violation of section 919b of this title (article 119b of the Uniform Code of Military Justice).

"(B) A violation of section 920, 928 (if the offense was aggravated), or 930 of this title (article 120, 128, or 130 of the Uniform Code of Military Justice) in which the victim of the violation is a spouse or other intimate partner of the accused or a child of the spouse or other intimate partner of the accused and the accused.

"(C) A violation of any other provision of chapter 47 of this title (the Uniform Code of Military Justice) that the Secretary of Defense and the Secretary of Homeland Security jointly specify as an alleged domestic violence offense for purposes of this section.

"(D) An attempt to commit an offense specified in subparagraph (A), (B), or (C) as punishable under section 880 of this title (article 80 of the Uniform Code of Military Justice).

"(E) A conspiracy to commit an offense specified in subparagraph (A), (B), or (C) as

punishable under section 881 of this title (article 81 of the Uniform Code of Military Justice).

"(F) A solicitation to commit an offense specified in subparagraph (A), (B), or (C) as punishable under section 882 of this title (article 82 of the Uniform Code of Military Justice).

"(3) ALLEGED SEX-RELATED OFFENSE.—The term 'alleged sex-related offense' means any allegation of the following:

"(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).

"(B) A violation of any other provision of chapter 47 of this title (the Uniform Code of Military Justice) that the Secretary of Defense and the Secretary of Homeland Security jointly specify as an alleged sex-related offense for purposes of this section.

"(C) An attempt to commit an offense specified in subparagraph (A) or (B) as punishable under section 880 of this title (article 80 of the Uniform Code of Military Justice).

"(D) A conspiracy to commit an offense specified in subparagraph (A) or (B) as punish-

able under section 881 of this title (article 81 of the Uniform Code of Military Justice).

"(E) A solicitation to commit an offense specified in subparagraph (A) or (B) as punishable under section 882 of this title (article 82 of the Uniform Code of Military Justice).".

(e) CONFORMING AND CLERICAL AMENDMENTS.—

(1) HEADING AMENDMENT.—The heading of such section is amended to read as follows:

"§ 1044e. Special Victims' Counsel: victims of sex-related offenses, domestic violence offenses, and other violence offenses".

(2) TABLE OF SECTIONS.—The table of sections at the beginning of chapter 53 of such title is amended by striking the item relating to section 1044e and inserting the following new item:

"1044e. Special Victims' Counsel: victims of sex-related offenses, domestic violence offenses, and other violence offenses.".

(f) EFFECTIVE DATE.—

(1) IN GENERAL.—The amendments made by this section shall take effect on such date after January 1, 2019, as the President shall specify for purposes of this section.

(2) DATE SPECIFIED.—In specifying a date for purposes of paragraph (1), the President shall specify a date that permits the Secretaries concerned and the

Armed Forces the opportunity to assess and properly allocate the personnel and other resources required to fully implement and carry out the amendments made by this section.

(3) IMPLEMENTATION ACTIVITIES.—During the period beginning on the date of the enactment of this Act and ending on the date specified for purposes of paragraph (1), the Secretaries concerned and the Armed Forces shall—

(A) establish mechanisms to ensure that a priority is afforded in the discharge of duties of Special Victims' Counsel under the amendments made by this section to serious cases of child abuse and other domestic violence (including cases involving aggravated assault and serious neglect that could result in serious injury or death); and

(B) strongly consider the advisability of employing civilians to perform duties of Special Victims' Counsel in the matters covered by the amendments in the event the number of military Special Victims' Counsel is insufficient for the full and effective discharge of such duties.

(4) SECRETARIES CONCERNED DEFINED.—In this subsection, the term "Secretaries concerned" has

the meaning given that term in section 101(a)(9) of title 10, United States Code.

SEC. 546. CLARIFICATION OF EXPIRATION OF TERM OF APPELLATE MILITARY JUDGES OF THE UNITED STATES COURT OF MILITARY COMMISSION REVIEW.

(a) IN GENERAL.—Section 950f(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(6) The term of an appellate military judge assigned to the Court under paragraph (2) or appointed to the Court under paragraph (3) shall expire on the earlier of the date on which—

"(A) the judge leaves active duty; or

"(B) the judge is reassigned to other duties in accordance with section 949b(b)(4) of this title.".

(b) APPLICABILITY.—The amendment made by subsection (a) shall apply to each judge of the United States Court of Military Commission Review serving on that court on the date of the enactment of this Act and each judge assigned or appointed to that court on or after such date.

SEC. 547. EXPANSION OF POLICIES ON EXPEDITED TRANSFER OF MEMBERS OF THE ARMED FORCES WHO ARE VICTIMS OF SEXUAL ASSAULT.

(a) ELIGIBILITY OF ADDITIONAL MEMBERS FOR TRANSFER.—The Secretary of Defense shall modify section 105.9 of title 32, Code of Federal Regulations, and any other regulations and policy of the Department of Defense applicable to the expedited transfer of members of the Armed Forces who allege they are a victim of sexual assault, in order to provide that a member of the Armed Forces described in subsection (b) is eligible for expedited transfer under such regulations and policy in connection with an allegation as described in that paragraph.

(b) COVERED MEMBERS.—A member of the Armed Forces described in this subsection is any member as follows:

(1) A member who is an alleged victim of sexual assault committed by the spouse or intimate partner of the member, which spouse or intimate partner is not a member of the Armed Forces.

(2) A member who is an alleged victim of physical domestic violence (other than sexual assault) committed by the spouse or intimate partner of the member, regardless of whether the spouse or intimate partner is a member of the Armed Forces.

(c) PHYSICAL DOMESTIC VIOLENCE.—In carrying out subsection (a), the Secretary shall prescribe the offenses or other actions constituting physical domestic violence for purposes of subsection (b)(2).

SEC. 548. UNIFORM COMMAND ACTION FORM ON DISPOSITION OF UNRESTRICTED SEXUAL ASSAULT CASES INVOLVING MEMBERS OF THE ARMED FORCES.

(a) UNIFORM FORM REQUIRED.—The Secretary of Defense shall establish a uniform command action form, applicable across the Armed Forces, for reporting the final disposition of cases of sexual assault in which—

(1) the alleged offender is a member of the Armed Forces; and

(2) the victim files an unrestricted report on the alleged assault.

(b) ELEMENTS.—The form required by subsection (a) shall provide for the inclusion of information on the following:

(1) The final disposition of the case.

(2) Appropriate demographic information on the victim and the alleged offender.

(3) The status of the alleged offender as of final disposition of the case.

(4) Whether the victim received assistance from a Special Victims' Counsel in connection with the case.

(5) Whether the victim was disciplined for any collateral misconduct in connection with the case.

(6) The number of years working in a criminal justice litigation billet of any trial counsel who prosecuted or otherwise consulted on the case.

SEC. 549. INCLUSION OF INFORMATION ON CERTAIN COLLATERAL CONDUCT OF VICTIMS OF SEXUAL ASSAULT IN ANNUAL REPORTS ON SEXUAL ASSAULT INVOLVING MEMBERS OF THE ARMED FORCES.

Section 1631(b) of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (10 U.S.C. 1561 note) is amended by adding at the end the following new paragraph:

"(13) Information on the frequency with which individuals who were identified as victims of sexual assault in case files of military criminal investigative organizations were also accused of or punished for misconduct or crimes considered collateral to the sexual assault under investigation by such organizations, including the type of misconduct or crime and the punishment, if any, received.".

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

SEC. 551. CONSECUTIVE SERVICE OF SERVICE OBLIGATION IN CONNECTION WITH PAYMENT OF TUITION FOR OFF-DUTY TRAINING OR EDUCATION FOR COMMISSIONED OFFICERS OF THE ARMED FORCES WITH ANY OTHER SERVICE OBLIGATIONS.

(a) IN GENERAL.—Section 2007(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(3) Any active duty service obligation of a commissioned officer under this subsection shall be served consecutively with any other service obligation of the officer (whether active duty or otherwise) under any other provision of law.".

(b) EFFECTIVE DATE.—The amendment made by this section shall take effect on the date of the enactment of this Act, and shall apply with respect to agreements for the payment of tuition for off-duty training or education that are entered into on or after that date.

SEC. 552. CONSECUTIVE SERVICE OF ACTIVE SERVICE OBLIGATIONS FOR MEDICAL TRAINING WITH OTHER SERVICE OBLIGATIONS FOR EDUCATION OR TRAINING.

(a) UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES.—Section 2114(d) of title 10, United States Code, is amended—

(1) by inserting "(1)" after "(d)"; and

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

"(2) A commissioned service obligation incurred as a result of participation in a military intern, residency, or fellowship training program shall be served consecutively with the commissioned service obligation imposed by this section and by any other provision of this title for education or training.".

(b) HEALTH PROFESSIONS SCHOLARSHIP AND FINANCIAL ASSISTANCE PROGRAM.—Section 2123(b) of such title is amended—

(1) by inserting "(1)" after "(b)"; and

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

"(2) A commissioned service obligation incurred as a result of participation in a military intern, residency, or fellowship training program shall be served consecutively with the active duty obligation imposed by this section and

by any other provision of this title for education or training.".

(c) EFFECTIVE DATE.—The amendments made by this section shall apply to individuals beginning participation in a military intern, residency, or fellowship training program on or after January 1, 2020.

SEC. 553. CLARIFICATION OF APPLICATION AND HONORABLE SERVICE REQUIREMENTS UNDER THE TROOPS-TO-TEACHERS PROGRAM TO MEMBERS OF THE RETIRED RESERVE.

(a) IN GENERAL.—Paragraph (2)(B) of section 1154(d) of title 10, United States Code, is amended—

(1) by inserting "(A)(iii)," after "A(i),";

(2) by inserting "transferred to the Retired Reserve, or" after "member is retired,"; and

(3) by striking "separated," and inserting "separated".

(b) CONFORMING AMENDMENTS.—The second sentence of paragraph (3)(D) of such section is amended—

(1) by inserting ", the transfer of the member to the Retired Reserve," after "retirement of the member"; and

(2) by inserting "transfer," after "after the retirement,".

SEC. 554. PROHIBITION ON USE OF FUNDS FOR ATTENDANCE OF ENLISTED PERSONNEL AT SENIOR LEVEL AND INTERMEDIATE LEVEL OFFICER PROFESSIONAL MILITARY EDUCATION COURSES.

(a) PROHIBITION.—None of the funds authorized to be appropriated or otherwise made available for the Department of Defense may be obligated or expended for the purpose of the attendance of enlisted personnel at senior level and intermediate level officer professional military education courses.

(b) SENIOR LEVEL AND INTERMEDIATE LEVEL OFFICER PROFESSIONAL MILITARY EDUCATION COURSES DEFINED.—In this section, the term "senior level and intermediate level officer professional military education courses" means any course offered by a school specified in section 2151(b) of title 10, United States Code.

(c) REPEAL OF SUPERSEDED LIMITATION.—

(1) IN GENERAL.—Section 547 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is repealed.

(2) PRESERVATION OF CERTAIN REPORTING REQUIREMENT.—The repeal in paragraph (1) shall not be interpreted to terminate the requirement of the Comptroller General of the United States to submit the report required by subsection (c) of section 547 of

the National Defense Authorization Act for Fiscal Year 2018.

SEC. 555. REPEAL OF PROGRAM ON ENCOURAGEMENT OF POSTSEPARATION PUBLIC AND COMMUNITY SERVICE.

(a) REPEAL.—

(1) IN GENERAL.—Section 1143a of title 10, United States Code, is repealed.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 58 of such title is amended by striking the item relating to section 1143a.

(b) CONFORMING AMENDMENTS.—Section 1144(b) of such title is amended—

(1) by striking paragraph (8); and

(2) by redesignating paragraphs (9), (10), and (11) as paragraphs (8), (9), and (10), respectively.

SEC. 556. EXPANSION OF AUTHORITY TO ASSIST MEMBERS IN OBTAINING PROFESSIONAL CREDENTIALS.

Section 2015 of title 10, United States Code, is amended—

(1) by redesignating subsections (b) through (e) as subsections (c) through (f), respectively; and

(2) by inserting after subsection (a) the following new subsection (b):

"(b) PROFESSIONAL CREDENTIALS NOT RELATED TO MILITARY TRAINING AND SKILLS.—Under the program required by this section, the Secretary of Defense, and the Secretary of Homeland Security, with respect to the Coast Guard when it is not operating as a service in the Navy, may enable members of the armed forces to obtain, while serving in the armed forces, professional credentials for which such members are other otherwise qualified that do not relate to military training and skills if such Secretary determines that such action is in the best interests of the United States.".

SEC. 557. ENHANCEMENT OF AUTHORITIES IN CONNECTION WITH JUNIOR RESERVE OFFICERS' TRAINING CORPS PROGRAMS.

(a) FLEXIBILITY IN AUTHORITIES FOR MANAGEMENT OF PROGRAMS AND UNITS.—

(1) IN GENERAL.—Chapter 102 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 2034. Flexibility in authorities for management of programs and units

"(a) AUTHORITY TO CONVERT OTHERWISE CLOSING UNITS TO NATIONAL DEFENSE CADET CORPS PROGRAM UNITS.—If the Secretary of a military department is notified by a local educational agency of the intent of the agency

to close its Junior Reserve Officers' Training Corps, the Secretary shall offer the agency the option of converting the unit to a National Defense Cadet Corps (NDCC) program unit in lieu of closing the unit.

"(b) FLEXIBILITY IN ADMINISTRATION OF INSTRUCTORS.—

"(1) IN GENERAL.—The Secretaries of the military departments may, without regard to any other provision of this chapter, undertake initiatives designed to promote flexibility in the hiring and compensation of instructors for the Junior Reserve Officers' Training Corps program under the jurisdiction of such Secretaries.

"(2) ELEMENTS.—The initiatives undertaken pursuant to this subsection may provide for one or more of the following:

"(A) Termination of the requirement for a waiver as a condition of the hiring of well-qualified non-commissioned officers with a bachelor's degree for senior instructor positions within the Junior Reserve Officers' Training Corps.

"(B) Specification of a single instructor as the minimum number of instructors required to found and operate a Junior Reserve Officers' Training Corps unit.

"(C) Authority for Junior Reserve Officers' Training Corps instructors to undertake school duties, in addition to Junior Reserve Officers' Training Corps duties, at small schools.

"(D) Authority for the payment of instructor compensation for a limited number of Junior Reserve Officers' Training Corps instructors on a 10-month per year basis rather than a 12-month per year basis.

"(E) Such other actions as the Secretaries of the military departments consider appropriate.

"(c) FLEXIBILITY IN ALLOCATION AND USE OF TRAVEL FUNDING.—The Secretaries of the military departments shall take appropriate actions to provide so-called regional directors of the Junior Reserve Officers' Training Corps programs located at remote rural schools enhanced discretion in the allocation and use of funds for travel in connection with Junior Reserve Officers' Training Corps activities.

"(d) STANDARDIZATION OF PROGRAM DATA.—The Secretary of Defense shall take appropriate actions to standardize the data collected and maintained on the Junior Reserve Officers' Training Corps programs in order to facilitate and enhance the collection and analysis of such

data. Such actions shall include a requirement for the use of the National Center for Education Statistics (NCES) identification code for each school with a unit under a Junior Reserve Officers' Training Corps program in order to facilitate identification of such schools and their units under the Junior Reserve Officers' Training Corps programs.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 102 of such title is amended by adding at the end the following new item:

"2034. Flexibility in authorities for management of programs and units.".

(b) AUTHORITY FOR ADDITIONAL UNITS.—The Secretaries of the military departments may, using amounts authorized to be appropriated by this Act and available in the funding tables in sections 4301 and 4401 for purposes of the Junior Reserve Officers' Training Corps programs, establish an aggregate of not more than 100 units under the Junior Reserve Officers' Training Corps programs in low-income and rural areas of the United States and areas of the United States currently underserved by the Junior Reserve Officers' Training Corps programs.

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

PART I—DEFENSE DEPENDENTS' EDUCATION MATTERS

SEC. 561. CONTINUATION OF AUTHORITY TO ASSIST LOCAL EDUCATIONAL AGENCIES THAT BENEFIT DEPENDENTS OF MEMBERS OF THE ARMED FORCES AND DEPARTMENT OF DEFENSE CIVILIAN EMPLOYEES.

(a) ASSISTANCE TO SCHOOLS WITH SIGNIFICANT NUMBERS OF MILITARY DEPENDENT STUDENTS.—Of the amount authorized to be appropriated for fiscal year 2019 by section 301 and available for operation and maintenance for Defense-wide activities as specified in the funding table in section 4301, $40,000,000 shall be available only for the purpose of providing assistance to local educational agencies under subsection (a) of section 572 of the National Defense Authorization Act for Fiscal Year 2006 (Public Law 109–163; 20 U.S.C. 7703b).

(b) LOCAL EDUCATIONAL AGENCY DEFINED.—In this section, the term "local educational agency" has the meaning given that term in section 7013(9) of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 7713(9)).

SEC. 562. IMPACT AID FOR CHILDREN WITH SEVERE DISABILITIES.

(a) IN GENERAL.—Of the amount authorized to be appropriated for fiscal year 2019 pursuant to section 301 and available for operation and maintenance for Defense-wide activities as specified in the funding table in section 4301, $10,000,000 shall be available for payments under section 363 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (as enacted into law by Public Law 106–398; 114 Stat. 1654A–77; 20 U.S.C. 7703a).

(b) USE OF CERTAIN AMOUNT.—Of the amount available under subsection (a) for payments as described in that subsection, $5,000,000 shall be available for such payments to local educational agencies determined by the Secretary of Defense, in the discretion of the Secretary, to have higher concentrations of military children with severe disabilities.

SEC. 563. DEPARTMENT OF DEFENSE EDUCATION ACTIVITY POLICIES AND PROCEDURES ON SEXUAL HARASSMENT OF STUDENTS OF ACTIVITY SCHOOLS.

(a) APPLICABILITY OF TITLE IX PROTECTIONS.—The provisions of title IX of the Education Amendments of 1972 (20 U.S.C. 1681 et seq.) (in this section referred to as "title IX") with respect to education programs or activities receiving Federal financial assistance shall apply equally to

education programs and activities administered by the Department of Defense Education Activity (DODEA).

(b) POLICIES AND PROCEDURES.—Not later than March 31, 2019, the Department of Defense Education Activity shall establish policies and procedures to protect students at schools of the Activity who are victims of sexual harassment. Such policies and procedures shall afford protections at least comparable to the protections afforded under title IX.

(c) ELEMENTS.—The policies and procedures required by subsection (b) shall include, at a minimum, the following:

(1) A policy addressing sexual harassment of students at the schools of the Department of Defense Education Activity that uses and incorporates terms, procedures, protections, investigation standards, and standards of evidence consistent with title IX.

(2) A procedure by which—

(A) a student of a school of the Activity, or a parent of such a student, may file a complaint with the school alleging an incident of sexual harassment at the school; and

(B) such a student or parent may appeal the decision of the school regarding such complaint.

(3) A procedure and mechanisms for the appointment and training of, and allocation of responsibility to, a coordinator at each school of the Activity for sexual harassment matters involving students from the military community served by such school.

(4) Training of employees of the Activity, and volunteers at schools of the Activity, on the policies and procedures.

(5) Mechanisms for the broad distribution and display of the policy described in paragraph (1), including on the Internet website of the Activity and on Internet websites of schools of the Activity, in printed and online versions of student handbooks, and in brochures and flyers displayed on school bulletin boards and in guidance counselor offices.

(6) Reporting and recordkeeping requirements designed to ensure that—

(A) complaints of sexual harassment at schools of the Activity are handled—

(i) with professionalism and consistency; and

(ii) in a manner that permits coordinators referred to in paragraph (3) to track trends in incidents of sexual harassment

and to identify repeat offenders of sexual harassment; and

(B) appropriate members of the local leadership of military communities are held accountable for acting upon complaints of sexual harassment at schools of the Activity.

PART II—MILITARY FAMILY READINESS MATTERS

SEC. 566. IMPROVEMENT OF AUTHORITY TO CONDUCT FAMILY SUPPORT PROGRAMS FOR IMMEDIATE FAMILY MEMBERS OF THE ARMED FORCES ASSIGNED TO SPECIAL OPERATIONS FORCES.

(a) COSTS OF PARTICIPATION OF FAMILY MEMBERS IN PROGRAMS.—Section 1788a of title 10, United States Code, is amended—

(1) by redesignating subsections (c), (d), and (e) as subsections (d), (e), and (f), respectively; and

(2) by inserting after subsection (b) the following new subsection (c):

"(c) COSTS OF FAMILY MEMBER PARTICIPATION.—In carrying out family support programs under this section, the Commander may also pay, or reimburse immediate family members, for transportation, food, lodging, child care, supplies, fees, and training materials in connection with the participation of family members in such programs.".

(b) FUNDING.—Subsection (d) of such section, as redesignated by subsection (a)(1) of this section, is amended—

(1) by striking "up to $5,000,000" and inserting "up to $10,000,000"; and

(2) by inserting before the period the following: ", including payment of costs of participation in such programs as authorized by subsection (c)".

(c) TECHNICAL AMENDMENT.—Paragraph (3) of subsection (f) of such section, as so redesignated, is amended by striking "section 167(i)" and inserting "section 167(j)".

SEC. 567. EXPANSION OF PERIOD OF AVAILABILITY OF MILITARY ONESOURCE PROGRAM FOR RETIRED AND DISCHARGED MEMBERS OF THE ARMED FORCES AND THEIR IMMEDIATE FAMILIES.

(a) IN GENERAL.—Under regulations prescribed by the Secretary of Defense, the period of eligibility for the Military OneSource program of the Department of Defense of an eligible individual retired, discharged, or otherwise released from the Armed Forces, and for the eligible immediate family members of such an individual, shall be the one-year period beginning on the date of the retirement, discharge, or release, as applicable, of such individual.

(b) INFORMATION TO FAMILIES.—The Secretary shall, in such manner as the Secretary considers appropriate, inform military families and families of veterans of the

Armed Forces of the wide range of benefits available through the Military OneSource program.

SEC. 568. EXPANSION OF AUTHORITY FOR NONCOMPETITIVE APPOINTMENTS OF MILITARY SPOUSES BY FEDERAL AGENCIES.

(a) EXPANSION TO INCLUDE ALL SPOUSES OF MEMBERS OF THE ARMED FORCES ON ACTIVE DUTY.—Section 3330d of title 5, United States Code, is amended—

(1) in subsection (a)—

(A) by striking paragraphs (3), (4), and (5); and

(B) by redesignating paragraph (6) as paragraph (3);

(2) by striking subsections (b) and (c) and inserting the following new subsection (b):

"(b) APPOINTMENT AUTHORITY.—The head of an agency may appoint noncompetitively—

"(1) a spouse of a member of the Armed Forces on active duty; or

"(2) a spouse of a disabled or deceased member of the Armed Forces.";

(3) by redesignating subsection (d) as subsection (c); and

(4) in subsection (c), as so redesignated, by striking "subsection (a)(6)" in paragraph (1) and inserting "subsection (a)(3)".

(b) HEADING AMENDMENT.—The heading of such section is amended to read as follows:

"§ 3330d. Appointment of military spouses".

(c) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 33 of such title is amended by striking the item relating to section 3330d and inserting the following new item:

"3330d. Appointment of military spouses.".

SEC. 569. IMPROVEMENT OF MY CAREER ADVANCEMENT ACCOUNT PROGRAM FOR MILITARY SPOUSES.

(a) OUTREACH ON AVAILABILITY OF PROGRAM.—

(1) IN GENERAL.—The Secretary of Defense shall take appropriate actions to ensure that military spouses who are eligible for participation in the My Career Advancement Account (MyCAA) program of the Department of Defense are, to the extent practicable, made aware of the program.

(2) COMPTROLLER GENERAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth such recommendations as the Comp-

troller General considers appropriate regarding the following:

(A) Mechanisms to increase awareness of the My Career Advancement Account program among military spouses who are eligible to participate in the program.

(B) Mechanisms to increase participation in the My Career Advancement Account program among military spouses who are eligible to participate in the program.

(b) TRAINING FOR INSTALLATION CAREER COUNSELORS ON PROGRAM.—The Secretaries of the military departments shall take appropriate actions to ensure that career counselors at military installations receive appropriate training and current information on eligibility for and use of benefits under the My Career Advancement Account program, including financial assistance to cover costs associated with professional recertification, portability of occupational licenses, professional credential exams, and other mechanisms in connection with the portability of professional licenses.

SEC. 570. ACCESS TO MILITARY INSTALLATIONS FOR CERTAIN SURVIVING SPOUSES AND OTHER NEXT OF KIN OF MEMBERS OF THE ARMED FORCES WHO DIE WHILE ON ACTIVE DUTY OR CERTAIN RESERVE DUTY.

(a) PROCEDURES FOR ACCESS OF SURVIVING SPOUSES REQUIRED.—The Secretary of Defense, acting jointly with the Secretary of Homeland Security, shall establish procedures by which an eligible surviving spouse may obtain unescorted access, as appropriate, to military installations in order to receive benefits to which the eligible surviving spouse may be entitled by law or policy.

(b) ELIGIBLE SURVIVING SPOUSE.—

(1) IN GENERAL.—In this section, the term "eligible surviving spouse" means an individual who—

(A) is a surviving spouse of a member of the Armed Forces who dies while serving—

(i) on active duty; or

(ii) on such reserve duty as the Secretary of Defense and the Secretary of Homeland Security may jointly specify for purposes of this section; and

(B) has guardianship of one or more dependent children of such member.

(2) STATUS NOT EFFECTED BY REMARRIAGE.—An individual is an eligible surviving spouse for pur-

poses of this section without regard to whether the individual remarries after the death of the member concerned.

(c) PROCEDURES FOR ACCESS OF NEXT OF KIN AUTHORIZED.—

(1) IN GENERAL.—The Secretary of Defense, acting jointly with the Secretary of Homeland Security, may establish procedures by which the next of kin of a deceased member of the Armed Forces, in addition to an eligible surviving spouse, may obtain access to military installations for such purposes and under such conditions as the Secretaries jointly consider appropriate.

(2) NEXT OF KIN.—If the Secretaries establish procedures pursuant to paragraph (1), the Secretaries shall jointly specify the individuals who shall constitute next of kin for purposes of such procedures.

(d) CONSIDERATIONS.—Any procedures established under this section shall—

(1) be applied consistently across the Department of Defense and the Department of Homeland Security, including all components of the Departments;

(2) minimize any administrative burden on a surviving spouse or dependent child, including through the elimination of any requirement for a sur-

viving spouse to apply as a personal agent for continued access to military installations in accompaniment of a dependent child;

(3) take into account measures required to ensure the security of military installations, including purpose and eligibility for access and renewal periodicity; and

(4) take into account such other factors as the Secretary of Defense or the Secretary of Homeland Security considers appropriate.

(e) DEADLINE.—The procedures required by subsection (a) shall be established by the date that is not later than one year after the date of the enactment of this Act.

SEC. 571. DEPARTMENT OF DEFENSE MILITARY FAMILY READINESS COUNCIL MATTERS.

(a) MEMBER MATTERS.—

(1) MEMBERSHIP.—Paragraph (1)(B) of subsection (b) of section 1781a of title 10, United States Code, is amended—

(A) in clause (i), by striking "a member of the armed force to be represented" and inserting "a member or civilian employee of the armed force to be represented"; and

(B) by striking clause (ii) and inserting the following new clause (ii):

"(ii) One representative, who shall be a member or civilian employee of the National Guard Bureau, to represent both the Army National Guard and the Air National Guard.".

(2) TERMS.—Paragraph (2) of such subsection is amended—

(A) in subparagraph (A)—

(i) in the first sentence, by striking "clauses (i) and (iii) of"; and

(ii) by striking the second sentence; and

(B) in subparagraph (B), by striking "three years" and inserting "two years".

(b) DUTIES.—Subsection (d) of such section is amended—

(1) in paragraph (2), by striking "military family readiness by the Department of Defense" and inserting "military family readiness programs and activities of the Department of Defense"; and

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

"(4) To make recommendations to the Secretary of Defense to improve collaboration, awareness, and promotion of accurate and timely military family

readiness information and support services by policy makers, service providers, and targeted beneficiaries.".

(c) ANNUAL REPORTS.—Subsection (e) of such section is amended by striking "February 1" and inserting "July 1".

(d) EFFECTIVE DATE.—

(1) IN GENERAL.—The amendments made by this section shall take effect on the date of the enactment of this Act.

(2) APPLICABILITY OF MEMBERSHIP AND TERM AMENDMENTS.—The amendments made by subsection (a) shall apply to members of the Department of Defense Military Family Readiness Council appointed after the date of the enactment of this Act.

SEC. 572. MULTIDISCIPLINARY TEAMS FOR MILITARY INSTALLATIONS ON CHILD ABUSE AND OTHER DOMESTIC VIOLENCE.

(a) MULTIDISCIPLINARY TEAMS REQUIRED.—

(1) IN GENERAL.—Under regulations prescribed by each Secretary concerned, there shall be established and maintained for each military installation, except as provided in paragraph (2), one or more multidisciplinary teams on child abuse and other domestic violence for the purposes specified in subsection (b).

(2) SINGLE TEAM FOR PROXIMATE INSTALLATIONS.—A single multidiscipinary team described in paragraph (1) may be established and maintained under this subsection for two or more military installations in proximity with one another if the Secretary concerned determines, in consultation with the Secretary of Defense, that a single team for such installations suffices to carry out the purposes of such teams under subsection (b) for such installations.

(b) PURPOSES.—The purposes of each multidisciplinary team maintained pursuant to subsection (a) shall be as follows:

(1) To provide for the sharing of information among such team and other appropriate personnel on the installation or installations concerned regarding the progress of investigations into and resolutions of incidents of child abuse and other domestic violence involving members of the Armed Forces stationed at or otherwise assigned to the installation or installations.

(2) To provide for and enhance collaborative efforts among such team and other appropriate personnel of the installation or installations regarding investigations into and resolutions of such incidents.

(3) To enhance the social services available to military families at the installation or installations in connection with such incidents, including through the enhancement of cooperation among specialists and other personnel providing such services to such military families in connection with such incidents

(4) To carry out such other duties regarding the response to child abuse and other domestic violence at the installation or installations as the Secretary concerned considers appropriate for such purposes.

(c) PERSONNEL.—

(1) IN GENERAL.—Each multidisciplinary team maintained pursuant to subsection (a) shall be composed of the following:

(A) One or more judge advocates.

(B) Appropriate personnel of one or more military criminal investigation services.

(C) Appropriate mental health professionals.

(D) Appropriate medical personnel.

(E) Family advocacy case workers.

(F) Such other personnel as the Secretary or Secretaries concerned consider appropriate.

(2) EXPERTISE AND TRAINING.—Any individual assigned to a multidisciplinary team shall possess

such expertise, and shall undertake such training as is required to maintain such expertise, as the Secretary concerned shall specify for purposes of this section in order to ensure that members of the team remain appropriately qualified to carry out the purposes of the team under this section. The training and expertise so specified shall include training and expertise on special victims' crimes, including child abuse and other domestic violence.

(d) COORDINATION AND COLLABORATION WITH NONMILITARY RESOURCES.—

(1) USE OF COMMUNITY RESOURCES SERVING INSTALLATIONS.—In providing under this section for a multidisciplinary team for a military installation or installations that benefit from services or resources on child abuse or other domestic violence that are provided by civilian entities in the vicinity of the installation or installations, the Secretary concerned may take the availability of such services or resources to the installation or installations into account in providing for the composition and duties of the team.

(2) BEST PRACTICES.—The Secretaries concerned shall take appropriate actions to ensure that multidisciplinary teams maintained pursuant to subsection (a) remain fully and currently apprised of best prac-

tices in the civilian sector on investigations into and resolutions of incidents of child abuse and other domestic violence and on the social services provided in connection with such incidents.

(3) COLLABORATION.—In providing for the enhancement of social services available to military families in accordance with subsection (b)(3), the Secretaries concerned shall permit, facilitate, and encourage multidisciplinary teams to collaborate with appropriate civilian agencies in the vicinity of the military installations concerned with regard to availability, provision, and use of such services to and by such families.

(e) ANNUAL REPORTS.—Not later than March 1 of each of 2020 through 2022, each Secretary concerned shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the activities of multidisciplinary teams maintained pursuant to subsection (a) under the jurisdiction of such Secretary during the preceding year. Each report shall set forth, for the period covered by such report, the following:

(1) A summary description of the activities of the multidisciplinary teams concerned, including the number and composition of such teams, the recurring

activities of such teams, and any notable achievements of such teams.

(2) A description of any impediments to the effectiveness of such teams.

(3) Such recommendations for legislative or administrative action as such Secretary considers appropriate in order to improve the effectiveness of such teams.

(4) Such other matters with respect to such teams as such Secretary considers appropriate.

(f) SECRETARY CONCERNED.—

(1) DEFINITION.—In this section, the term "Secretary concerned" has the meaning given that term in section 101(a)(9) of title 10, United States Code.

(2) USAGE WITH RESPECT TO MULTIPLE INSTALLATIONS.—For purposes of this section, any reference to "Secretary concerned" with respect to a single multidisciplinary team established and maintained pursuant to subsection (a) for two or more military installations that are under the jurisdiction of different Secretaries concerned, shall be deemed to refer to each Secretary concerned who has jurisdiction of such an installation, acting jointly.

SEC. 573. PROVISIONAL OR INTERIM CLEARANCES TO PROVIDE CHILDCARE SERVICES AT MILITARY CHILDCARE CENTERS.

(a) IN GENERAL.—The Secretary of Defense shall implement a policy to permit the issuance on a provisional or interim basis of clearances for the provision of childcare services at military childcare centers.

(b) ELEMENTS.—The policy required by subsection (a) shall provide for the following:

(1) Any clearance issued under the policy shall be temporary and contingent upon the satisfaction of such requirements for the issuance of a clearance on a permanent basis as the Secretary considers appropriate.

(2) Any individual issued a clearance on a provisional or interim basis under the policy shall be subject to such supervision in the provision of childcare services using such clearance as the Secretary considers appropriate.

(c) CLEARANCE DEFINED.—In this section, the term "clearance", with respect to an individual and the provision of childcare services, means the formal approval of the individual, after appropriate background checks and other review, to provide childcare services to children at a military childcare center of the Department of Defense.

SEC. 574. PILOT PROGRAM ON PREVENTION OF CHILD ABUSE AND TRAINING ON SAFE CHILDCARE PRACTICES AMONG MILITARY FAMILIES.

(a) PILOT PROGRAM.—

(1) IN GENERAL.—The Secretary of Defense shall, acting through the Defense Health Agency, carry out a pilot program on universal home visits for purposes of providing eligible covered beneficiaries and their families training on safe childcare practices aimed at reducing child abuse and fatalities due to abuse and neglect, assessments of risk factors for child abuse, and connections with community resources to meet identified needs.

(2) SCOPE.—The pilot program shall be designed to facilitate connections between covered beneficiaries and their families and community resources (including existing resources provided by the Armed Forces). The pilot program, including the practices covered by training pursuant to the pilot program, shall conform to evidence-based scientific criteria, including criteria available through publications in peer-reviewed scientific journals.

(3) ELEMENTS.—The pilot program shall include the following:

(A) Between one and three home visits, and not more than seven other contacts, except in un-

usual cases (such as deployments), with such home visits by a team led by a nurse, whenever practicable, to provide screening, community resource referral, and training to eligible covered beneficiaries and their families on the following:

(i) General maternal and infant health.

(ii) Safe sleeping environments.

(iii) Feeding and bathing.

(iv) Adequate supervision.

(v) Common hazards.

(vi) Self-care.

(vii) Recognition of post-partum depression, substance abuse, and domestic violence in a mother or her partner and community violence.

(viii) Skills for management of infant crying.

(ix) Other positive parenting skills and practices.

(x) The importance of participating in ongoing healthcare for an infant and in ongoing healthcare for post-partum depression.

(xi) Finding, qualifying for, and participating in available community resources

with respect to infant care, childcare, and parenting support.

(xii) Planning for parenting or guardianship of children during deployment.

(xiii) Such other matters as the Secretary considers appropriate.

(B) If a parent is deployed at the time of birth—

(i) the first home visit pursuant to subparagraph (A) shall, to the extent practicable, incorporate both parents, in person with the local parent and by electronic means (such as Skype or FaceTime) with the deployed parent; and

(ii) another such home visit shall be conducted upon the return of the parent from deployment, and shall include both parents.

(C) An electronic directory of community resources available to eligible covered beneficiaries and their families in order to assist teams described in subparagraph (A) in connecting beneficiaries and families with such resources.

(D) An electronic integrated data system to—

(i) support teams in referring beneficiaries to the services and resources to be offered under subsection (c)(3) and track beneficiary usage;

(ii) track interactions between teams described in subparagraph (A) and eligible beneficiaries and their families; and

(iii) otherwise evaluate the implementation and effectiveness of the pilot program.

(b) MANDATORY PARTICIPATION.—

(1) IN GENERAL.—Except as provided in paragraph (2), the Secretary shall require all eligible covered beneficiaries at each installation at which the pilot program is being conducted to be contacted by the pilot program under this section.

(2) EXCEPTION.—The Secretary shall encourage participation by both parents of a child in the pilot program, but participation by one parent shall be sufficient to meet the requirement under paragraph (1).

(c) AVAILABLE SERVICES AND RESOURCES.—

(1) IN GENERAL.—In carrying out the pilot program under this section, the Secretary shall offer services and resources to an eligible covered beneficiary based on the particular needs of the beneficiary and the beneficiary's family.

(2) VOLUNTARY PARTICIPATION.—Participation by an eligible covered beneficiary and family in any service or resource offered under paragraph (1) shall be at the election of the beneficiary.

(3) ASSESSMENT OF ELIGIBLE COVERED BENEFICIARIES.—

(A) IN GENERAL.—In carrying out the pilot program, the Secretary shall conduct, or attempt to conduct, an assessment of every eligible covered beneficiary and beneficiary family participating in the pilot program, regardless of risk factors, to determine which services and resources to offer such beneficiary and family under paragraph (1).

(B) PARTICULAR NEEDS.—In conducting an assessment of an eligible covered beneficiary and family under subparagraph (A), the Secretary shall assess their needs and eligibility for particular services and resources and connect the beneficiary and family to services and resources

for which they have a need and are eligible, either within the Department of Defense or elsewhere.

(d) INVOLVEMENT OF MEDICAL STAFF.—

(1) IN GENERAL.—The Secretary shall ensure that the pilot program under this section is conducted by licensed medical staff of the Department of Defense and not family advocacy staff.

(2) HOME VISITS.—

(A) IN GENERAL.—The Secretary shall ensure that the pilot program includes the following:

(i) An initial contact made prenatally (except when not possible, in which case the contact shall occur as soon after birth as possible) by a team described in subsection (a)(3)(A), which shall include screening for the matters specified in that subsection.

(ii) Home visits by a nurse or other licensed medical professional trained in the practices covered by the program at the birth of a child, which visits shall follow a research-based structured clinical protocol and include use of the electronic integrated data described in subsection (a)(3)(D).

(B) TIMING OF VISITS.—The first visits under subparagraph (A)(ii) shall occur between two and five weeks after hospital discharge with appropriate follow-up generally accomplished within two home visits.

(C) DURATION OF VISITS.—Visits under this paragraph shall have a duration between 90 minutes and 2 hours.

(D) FINAL VISIT.—Not later than 45 days after the last visit conducted by a nurse under subparagraph (A)(ii) with respect to an eligible covered beneficiary, appropriate staff shall follow-up with the beneficiary and the beneficiary's family to assess if they are using the services recommended under subsection (c).

(e) IMPLEMENTATION ASSESSMENTS.—

(1) IN GENERAL.—The Secretary shall carry out not fewer than five implementation assessments in accordance with this subsection in order to assess the effectiveness of the elements and requirements of the pilot program.

(2) SCHEDULE.—The implementation assessment required by this subsection shall be completed by not later than two years after the date of the enactment of this Act.

(3) LOCATIONS.—The implementation assessments shall be carried out at not less than five military installations selected by the Secretary for purposes of this subsection. In selecting such installations, the Secretary shall select installations representing a range of circumstances, including installations in an urban location and a rural location, installations with a large population and with a small population, installations currently experiencing high incidence of child abuse, neglect, or both and low incidence of child abuse, neglect, or both, installations with a hospital or clinic and without a hospital or clinic, joint installations, and installations serving only one Armed Force.

(4) ASSESSMENT.—In carrying out the implementation assessments, the Secretary shall seek to obtain an assessment of each of the following:

(A) The ability of nurses or other licensed medical professionals to contact families eligible for participation in the pilot program.

(B) The extent to which families eligible for participation in the program actually participate in the pilot program.

(C) The ability of medical personnel to adhere to the clinical protocols of the pilot program.

(D) The extent to which families participating in the pilot program are being connected to services and resources under the pilot program.

(E) The extent to which families participating in the pilot program are using services and resources under the pilot program.

(f) REPORTS.—

(1) INITIAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program to be carried out pursuant to this section. The report shall include a comprehensive description of each implementation assessment to be carried out pursuant to subsection (e), including—

(A) the installation at which such implementation assessment is being carried out;

(B) a justification for the selection of such installation for purposes of subsection (e); and

(C) the elements and requirements of the pilot program being carried out through such implementation assessment, including strategy and metrics for evaluating effectiveness.

(2) FINAL REPORT.—Not later than 180 days after the completion of the pilot program, the Secretary shall submit to the committees specified in paragraph (1) a report on the pilot program. The report shall include the following:

(A) A comprehensive description and assessment of each of the implementation assessments under subsection (e).

(B) A comprehensive description and assessment of the pilot program.

(C) Such recommendations for legislative or administrative action as the Secretary considers appropriate in light of pilot program, including recommendations for modifications of the pilot program or extension of the pilot program on an permanent basis at additional locations.

(g) IMPLEMENTATION DEFENSE-WIDE.—If the Secretary determines as a result of the pilot program that any element of the pilot program is effective, the Secretary shall take appropriate actions to implement the pilot program

as a program throughout and across the military installations of the Department.

(h) DEFINITIONS.—In this section:

(1) The term "community", with respect to a military installation, means the catchment area for community services of the installation, including services provided on the installation and services provided by State, county, and local jurisdictions in which the installation is located or in the vicinity of the installation.

(2) The term "eligible covered beneficiary" means a covered beneficiary (as that term is defined in section 1072 of title 10, United States Code) who obtains pre-natal and obstetrical care in a military medical treatment facility in connection with a birth covered by the pilot program.

SEC. 575. PILOT PROGRAM ON PARTICIPATION OF MILITARY SPOUSES IN TRANSITION ASSISTANCE PROGRAM ACTIVITIES.

(a) PILOT PROGRAM REQUIRED.—The Secretary of Defense shall carry out a pilot program to assess the feasability and advisability of permitting military spouses to participate in activities under the Transition Assistance Program (TAP) under section 1144 of title 10, United States Code, on military installations.

(b) LOCATIONS.—The Secretary shall carry out the pilot program at not fewer than five military installations selected by the Secretary for purposes of the pilot program.

(c) DURATION.—The Secretary shall carry out the pilot program during the five-year period beginning on the date of the enactment of this Act.

(d) PARTICIPATION.—

(1) IN GENERAL.—Under the pilot program, the spouse of a member of the Armed Forces assigned to a military installation at which the pilot program is carried out who is participating in activities under the Transition Assistance Program may participate in such activities under the Program as the spouse considers appropriate, regardless of whether the member is also participating in such activities at the time of the spouse's participation.

(2) ADEQUATE FACILITIES.—The Secretary shall ensure that the facilities for the carrying out of activities under the Transition Assistance Program at each installation at which the pilot program is carried out are adequate to permit the participation in such activities of any spouse of a member of the Armed Forces at the installation who seeks to participate in such activities.

(e) REPORTS.—

(1) INITIAL REPORT.—Not later than six months after the date of the enactment of this Act, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program, including a comprehensive description of the pilot program.

(2) FINAL REPORT.—Not later than six months after the completion of the pilot program, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program. The report shall include the following:

(A) A comprehensive description of the pilot program, including the installations at which the pilot program was carried out and the rates of participation of military spouses in activities under the Transition Assistance Program pursuant to the pilot program.

(B) Such recommendations for extension or expansion of the pilot program, including making the pilot program permanent, as the Secretary considers appropriate in light of the pilot program.

SEC. 576. SMALL BUSINESS ACTIVITIES OF MILITARY SPOUSES ON MILITARY INSTALLATIONS IN THE UNITED STATES.

(a) ASSESSMENT OF SMALL BUSINESS ACTIVITIES.—The Secretary of Defense shall submit to Congress a report setting forth an assessment of the feasibility and advisability of permitting military spouses to engage in small business activities on military installations in the United States and in partnership with commissaries, exchange stores, and other morale, welfare, and recreation facilities of the Armed Forces in the United States.

(b) ELEMENTS.—The assessment shall—

(1) take into account the usage by military spouses of installation facilities, utilities, and other resources in the conduct of small business activities on military installations in the United States and such other matters in connection with the conduct of such business activities by military spouses as the Secretary considers appropriate; and

(2) seek to identify mechanisms to ensure that costs and fees associated with the usage by military spouses of such facilities, utilities, and other resources in connection with such business activities does not meaningfully curtail or eliminate the opportunity for military spouses to profit reasonably from such business activities.

Subtitle G—Decorations and Awards

SEC. 581. AUTHORIZATION FOR AWARD OF THE DISTINGUISHED SERVICE CROSS FOR JUSTIN T. GALLEGOS FOR ACTS OF VALOR DURING OPERATION ENDURING FREEDOM.

(a) AUTHORIZATION.—Notwithstanding the time limitations specified in section 3744 of title 10, United States Code, or any other time limitation with respect to the awarding of certain medals to persons who served in the Armed Forces, the Secretary of the Army may award the Distinguished Service Cross under section 3742 of such title to Justin T. Gallegos for the acts of valor during Operation Enduring Freedom described in subsection (b).

(b) ACTION DESCRIBED.—The acts of valor referred to in subsection (a) are the actions of Justin T. Gallegos on October 3, 2009, while serving in the grade of Staff Sergeant in Afghanistan while serving with B Troop, 3d Squadron, 61st Cavalry Regiment, 4th Brigade Combat Team, 4th Infantry Division.

SEC. 582. AWARD OF MEDALS OR OTHER COMMENDATIONS TO HANDLERS OF MILITARY WORKING DOGS.

(a) PROGRAM OF AWARD REQUIRED.—Each Secretary of a military department shall carry out a program to provide for the award of one or more medals or other com-

mendations to handlers of military working dogs under the jurisdiction of such Secretary to recognize valor or meritorious achievement by such handlers and dogs.

(b) MEDALS AND COMMENDATIONS.—Any medal or commendation awarded pursuant to a program under subsection (a) shall be of such design, and include such elements, as the Secretary of the military department concerned shall specify.

(c) PRESENTATION AND ACCEPTANCE.—Any medal or commendation awarded pursuant to a program under subsection (a) may be presented to and accepted by the handler concerned on behalf of the handler and the military working dog concerned.

(d) REGULATIONS.—Medals and commendations shall be awarded under programs under subsection (a) in accordance with regulations prescribed by the Secretary of Defense for purposes of this section.

Subtitle H—Other Matters

SEC. 591. AUTHORITY TO AWARD DAMAGED PERSONAL PROTECTIVE EQUIPMENT TO MEMBERS SEPARATING FROM THE ARMED FORCES AND VETERANS AS MEMENTOS OF MILITARY SERVICE.

(a) IN GENERAL.—Chapter 152 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 2568a. Damaged personal protective equipment: award to members separating from the armed forces and veterans

"The Secretary of a military department may award to a member of the armed forces under the jurisdiction of the Secretary who is separating from the armed forces, and to any veteran formerly under the jurisdiction of the Secretary, demilitarizied personal protective equipment (PPE) of the member or veteran that was damaged in combat or otherwise during the deployment of the member or veteran. The award of equipment under this section shall be without cost to the member or veteran concerned.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 152 of such title is amended by adding at the end the following new item:

"2568a. Damaged personal protective equipment: award to members separating from the armed forces and veterans.".

SEC. 592. STANDARDIZATION OF FREQUENCY OF ACADEMY VISITS OF THE AIR FORCE ACADEMY BOARD OF VISITORS WITH ACADEMY VISITS OF BOARDS OF OTHER MILITARY SERVICE ACADEMIES.

Section 9355 of title 10, United States Code, is amended by striking subsection (d) and inserting the following new subsection:

"(d) The Board shall visit the Academy annually. With the approval of the Secretary of the Air Force, the Board or its members may make other visits to the Academy in connection with the duties of the Board or to consult with the Superintendent of the Academy. Board members shall have access to the Academy grounds and the cadets, faculty, staff, and other personnel of the Academy for the purposes of the duties of the Board.".

SEC. 593. REDESIGNATION OF THE COMMANDANT OF THE UNITED STATES AIR FORCE INSTITUTE OF TECHNOLOGY AS THE PRESIDENT OF THE UNITED STATES AIR FORCE INSTITUTE OF TECHNOLOGY.

(a) REDESIGNATION.—Section 9314b(a) of title 10, United States Code, is amended—

(1) in subsection heading, by striking "COMMANDANT" and inserting "PRESIDENT";

(2) by striking "Commandant" each place it appears and inserting "President"; and

(3) in the heading of paragraph (3), by striking "COMMANDANT" and inserting "PRESIDENT".

(b) 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 President of the United States Air Force Institute of Technology.

SEC. 594. LIMITATION ON JUSTIFICATIONS ENTERED BY MILITARY RECRUITERS FOR ENLISTMENT OR ACCESSION OF INDIVIDUALS INTO THE ARMED FORCES.

(a) IN GENERAL.—In any case in which a database or system maintained by an Armed Force regarding the reasons why individuals elect to enlist or access into the Armed Force provides for military recruiters to select among pre-specified options for reasons for such election, military recruiters entering data into such database or system may select only among such pre-specified options as reasons for the enlistment or accession of any particular individual.

(b) MILITARY RECRUITER DEFINED.—In this section, the term "military recruiter" means a person who as the duty to recruit persons into the Armed Forces for military service.

SEC. 595. NATIONAL COMMISSION ON MILITARY, NATIONAL, AND PUBLIC SERVICE MATTERS.

(a) DEFINITIONS.—Section 551(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2130) is amended—

(1) in paragraph (1), by inserting after "United States Code)" the following: "or active status (as that term is defined in subsection (d)(4) of such section)";

(2) in paragraph (2)—

(A) by striking "'national service'" and inserting "'public service'"; and

(B) by striking "or State Government" and inserting ", State, Tribal, or local government";

(3) in paragraph (3)—

(A) by striking "'public service'" and inserting "'national service'"; and

(B) by striking "employment" and inserting "participation"; and

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

"(4) The term 'establishment date' means September 19, 2017.".

(b) EXCEPTION TO PAPERWORK REDUCTION ACT.—Section 555(e) of that Act (130 Stat. 2134) is amended by adding at the end the following new paragraph:

"(4) PAPERWORK REDUCTION ACT.—For purposes of developing its recommendations, the information collection of the Commission may be treated as a pilot project under section 3505(a) of title 44, United States Code. In addition, the Commission

shall not be subject to the requirements of section 3506(c)(2)(A) of such title.".

SEC. 596. BURIAL OF UNCLAIMED REMAINS OF INMATES AT THE UNITED STATES DISCIPLINARY BARRACKS CEMETERY, FORT LEAVENWORTH, KANSAS.

Section 985 of title 10, United States Code, is amended—

(1) in subsection (b), by striking "A person who is ineligible" in the matter preceding paragraph (1) and inserting "Except as provided in subsection (c), a person who is ineligible";

(2) by redesignating subsection (c) as subsection (d); and

(3) by inserting after subsection (b) the following new subsection (c):

"(c) UNCLAIMED REMAINS OF MILITARY PRISONERS.—Subsection (b) shall not preclude the burial at the United States Disciplinary Barracks Cemetery at Fort Leavenworth, Kansas, of a military prisoner, including a military prisoner who is a person described in section 2411(b) of title 38, who dies while in custody of a military department and whose remains are not claimed by the person authorized to direct disposition of the remains or by other persons legally authorized to dispose of the remains.".

SEC. 597. SPACE-AVAILABLE TRAVEL ON DEPARTMENT OF DEFENSE AIRCRAFT FOR VETERANS WITH SERVICE-CONNECTED DISABILITIES RATED AS TOTAL.

(a) IN GENERAL.—Subsection (c) of section 2641b of title 10, United States Code, is amended—

(1) by redesignating paragraphs (4) and (5) as paragraphs (5) and (6), respectively; and

(2) by inserting after paragraph (3) the following new paragraph (4):

"(4) Subject to subsection (f), veterans with a permanent service-connected disability rated as total.".

(b) CONDITIONS AND LIMITATIONS.—Such section is further amended—

(1) by redesignating subsection (f) as subsection (g); and

(2) by inserting after subsection (e) the following new subsection (f):

"(f) VETERANS WITH SERVICE-CONNECTED DISABILITIES RATED AS TOTAL.—(1) Travel may not be provided under this section to a veteran eligible for travel pursuant to subsection (c)(4) in priority over any member eligible for travel under subsection (c)(1) or any dependent of such a member eligible for travel under this section.

"(2) The authority in subsection (c)(4) may not be construed as affecting or in any way imposing on the Department of Defense, any armed force, or any commercial company with which they contract an obligation or expectation that they will retrofit or alter, in any way, military aircraft or commercial aircraft, or related equipment or facilities, used or leased by the Department or such armed force to accommodate passengers provided travel under such authority on account of disability.

"(3) The authority in subsection (c)(4) may not be construed as preempting the authority of a flight commander to determine who boards the aircraft and any other matters in connection with safe operation of the aircraft.".

TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS

Subtitle A—Pay and Allowances

SEC. 601. FISCAL YEAR 2019 INCREASE IN MILITARY BASIC PAY.

(a) WAIVER OF SECTION 1009 ADJUSTMENT.—The adjustment to become effective during fiscal year 2019 required by section 1009 of title 37, United States Code, in the rates of monthly basic pay authorized members of the uniformed services shall not be made.

(b) INCREASE IN BASIC PAY.—Effective on January 1, 2019, the rates of monthly basic pay for members of the uniformed services are increased by 2.6 percent.

SEC. 602. REPEAL OF AUTHORITY FOR PAYMENT OF PERSONAL MONEY ALLOWANCES TO NAVY OFFICERS SERVING IN CERTAIN POSITIONS.

(a) REPEAL.—Section 414 of title 37, United States Code, is amended—

(1) by striking subsection (b); and

(2) by redesignating subsection (c) as subsection (b).

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on December 31, 2018, and shall apply with respect to personal money allowances payable under section 414 of title 37, United States Code, for years beginning after that date.

SEC. 603. DEPARTMENT OF DEFENSE PROPOSAL FOR A PAY TABLE FOR MEMBERS OF THE ARMED FORCES USING STEPS IN GRADE BASED ON TIME IN GRADE RATHER THAN TIME IN SERVICE.

(a) PROPOSAL REQUIRED.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report setting forth a proposal for a pay table for

members of the Armed Forces that uses steps in grade for each pay grade based on time of service within such pay grade rather than on time of service in the Armed Forces as a whole.

(b) COMPTROLLER GENERAL ASSESSMENT.—Not later than April 1, 2019, the Comptroller General of the United States shall submit to the congressional defense committees a report setting forth an assessment by the Comptroller General of the proposed pay table required pursuant to subsection (a), including an assessment of the effects of using the proposed pay table, rather than the current pay table for members of the Armed Forces, on recruitment and retention of members of the Armed Forces as a whole and on recruitment and retention of members of the Armed Forces with particular sets of skills (including cyber and other technical skills).

SEC. 604. FINANCIAL SUPPORT FOR LESSORS UNDER THE MILITARY HOUSING PRIVATIZATION INITIATIVE DURING 2019.

(a) SUPPORT AUTHORIZED.—Subject to subsection (c), for each month during 2019, the Secretary of Defense may pay to a lessor of covered housing up to 2 percent of the amount calculated under section 403(b)(3)(A)(i) of title 37, United States Code, for the area in which the covered hous-

ing exists for each member to whom such lessor leases covered housing for such month.

(b) COVERED HOUSING.—In this section, the term "covered housing" means a unit of housing—

(1) acquired or constructed under the alternative authority of subchapter IV of chapter 169 of title 10, United States Code (known as the Military Housing Privatization Initiative);

(2) that is leased to a member of a uniformed service who resides in such unit; and

(3) for which the lessor charges such member rent that equals or exceeds the amount calculated under section 403(b)(3)(A) of title 37, United States Code.

(c) SUPPORT CONTINGENT ON NOTICE TO CONGRESS.—

(1) IN GENERAL.—The Secretary may not make payments to a lessor for particular covered housing in 2019 authorized by subsection (a) until the Secretary submits to the Committees on Armed Services of the Senate and the House of Representatives a notice on such payments.

(2) ELEMENTS.—The notice on payments to a lessor for particular covered housing in 2019 for purposes of paragraph (1) shall include the following:

(A) A documented request from the lessor for additional funding in connection with such housing and endorsed by the commander of the military installation concerned.

(B) A description of the formula to be used by the Secretary to calculate the amount of such payments.

(C) A description of the current financial condition of the lessor in connection with such housing, including the following:

(i) The current debt coverage ratio of the lessor for such housing.

(ii) An assessment of the lessor's ability to fund future sustainment costs for such housing in the absence of payments as described in subsection (a).

(iii) An assessment of whether any earnings for the lessor from other covered housing, if any, can offset predicted shortfalls in funding for such housing.

(D) An assessment of the effects, if any, of recent reductions in basic allowance for housing on the financial viability of such housing for the lessor.

(E) A plan to ensure the long-term financial stability of such housing.

(F) A recommendation whether the contract between the lessor and government for such housing area should be retained without modification, or modified, to ensure long-term financial viability of such housing.

SEC. 605. MODIFICATION OF AUTHORITY OF PRESIDENT TO DETERMINE ALTERNATIVE PAY ADJUSTMENT IN ANNUAL BASIC PAY OF MEMBERS OF THE UNIFORMED SERVICES.

(a) MODIFICATION.—Section 1009(e) of title 37, United States Code, is amended—

(1) in paragraph (1), by striking "or serious economic conditions affecting the general welfare";

(2) by striking paragraph (2); and

(3) by redesignating paragraph (3) as paragraph (2).

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on the date of the enactment of this Act, and—

(1) if the date of the enactment of this Act occurs before September 1 of a year, shall apply with respect to plans for alternative pay adjustments for any year beginning after such year; and

(2) if the date of the enactment of this Act occurs after August 31 of a year, shall apply with respect to plans for alternative pay adjustments for any year beginning after the year following such year.

SEC. 606. ELIGIBILITY OF RESERVE COMPONENT MEMBERS FOR HIGH-DEPLOYMENT ALLOWANCE FOR LENGTHY OR NUMEROUS DEPLOYMENTS AND FREQUENT MOBILIZATIONS.

Section 436(a)(2)(C)(ii) of title 37, United States Code, is amended by inserting after "under" the first place it appears the following: "section 12304b of title 10 or".

SEC. 607. ELIGIBILITY OF RESERVE COMPONENT MEMBERS FOR NONREDUCTION IN PAY WHILE SERVING IN THE UNIFORMED SERVICES OR NATIONAL GUARD.

Section 5538(a) of title 5, United States Code, is amended in the matter preceding paragraph (1) by inserting after "under" the following: "section 12304b of title 10 or".

SEC. 608. TEMPORARY ADJUSTMENT IN RATE OF BASIC ALLOWANCE FOR HOUSING FOLLOWING IDENTIFICATION OF SIGNIFICANT UNDERDETERMINATION OF CIVILIAN HOUSING COSTS FOR HOUSING AREAS.

Section 403(b) of title 37, United States Code, is amended by adding at the end the following new paragraph:

"(8)(A) Under the authority of this paragraph, the Secretary of Defense may prescribe a temporary adjustment in the current rates of basic allowance for housing for a military housing area or portion of a military housing area if the Secretary determines that the actual costs of adequate housing for civilians in that military housing area or portion thereof differ from such current rates of basic allowance for housing by an amount in excess of 20 percent of such current rates of basic allowance for housing.

"(B) Any temporary increase in rates of basic allowance for housing under this paragraph shall remain in effect only until the next annual adjustment in rates of basic allowance for housing under this subsection by law.

"(C) This paragraph shall cease to be effective on December 31, 2019.".

Subtitle B—Bonuses and Special and Incentive Pays

SEC. 611. ONE-YEAR EXTENSION OF CERTAIN EXPIRING BONUS AND SPECIAL PAY AUTHORITIES.

(a) 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, 2018" and inserting "December 31, 2019":

(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.

(b) 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, 2018" and inserting "December 31, 2019".

(c) TITLE 10 AUTHORITIES RELATING TO HEALTH CARE PROFESSIONALS.—The following sections of title 10, United States Code, are amended by striking "December 31, 2018" and inserting "December 31, 2019":

(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.

(d) AUTHORITIES RELATING TO NUCLEAR OFFICERS.—Section 333(i) of title 37, United States Code, is amended by striking "December 31, 2018" and inserting "December 31, 2019".

(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, 2018" and inserting "December 31, 2019".

Subtitle C—Disability Pay, Retired Pay, and Survivor Benefits

SEC. 621. TECHNICAL CORRECTIONS IN CALCULATION AND PUBLICATION OF SPECIAL SURVIVOR INDEMNITY ALLOWANCE COST OF LIVING ADJUSTMENTS.

(a) MONTHS FOR WHICH ADJUSTMENT APPLICABLE.—Paragraph (2) of section 1450(m) of title 10, United States Code, is amended—

(1) in subparagraph (I), by striking "December" and inserting "November"; and

(2) in subparagraph (J), by striking "for months during any calendar year after 2018" and inserting "for months after November 2018".

(b) COST OF LIVING ADJUSTMENT.—Paragraph (6) of such section is amended—

(1) in the paragraph heading, by striking "AFTER 2018" and inserting "AFTER NOVEMBER 2018"; and

(2) by striking subparagraphs (A) and (B) and inserting the following new subparagraphs:

"(A) IN GENERAL.—Whenever retired pay is increased for a month under section 1401a of this title (or any other provision of law), the amount of the allowance payable under paragraph (1) for that month shall also be increased.

"(B) AMOUNT OF INCREASE.—With respect to an eligible survivor of a member of the uniformed services, the increase for a month shall be—

"(i) the amount payable pursuant to paragraph (2) for months during the preceding 12-month period; plus

"(ii) an amount equal to a percentage of the amount determined pursuant to clause (i), which percentage is the percentage by which the retired pay of the member would have increased for the month, as described in subparagraph (A), if the member was alive (and otherwise entitled to such pay).

"(C) ROUNDING DOWN.—The monthly amount of an allowance payable under this sub-

section, if not a multiple of $1, shall be rounded to the next lower multiple of $1.

"(D) PUBLIC NOTICE ON AMOUNT OF ALLOWANCE PAYABLE.—Whenever an increase in the amount of the allowance payable under paragraph (1) is made pursuant to this paragraph, the Secretary of Defense shall publish the amount of the allowance so payable by reason of such increase, including the months for which payable.".

(c) EFFECTIVE DATE.—The amendments made by this section shall take effect on December 1, 2018.

Subtitle D—Other Matters

SEC. 631. RATES OF PER DIEM FOR LONG-TERM TEMPORARY DUTY ASSIGNMENTS.

(a) REPORT ON COST-BENEFIT ANALYSIS OF NOVEMBER 2014 CHANGE OF POLICY.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth an analysis, conducted by the Secretary for purposes of the report, of the costs and benefits of the change in policy of the Department of Defense on rates of per diem for long-term temporary duty assignments that took effect on No-

vember 1, 2014. The study shall be consistent with the principles and requirements of Office of Management and Budget Circular A–94.

(2) ELEMENT ASSESSING COST-BENEFIT.—The report under paragraph (1) shall specify, in particular, whether or not the benefits of the change in policy described in that paragraph have outweighed and will continue to outweigh the costs of the change of policy.

(b) CONTINGENT REVERSION TO PRIOR POLICY.—

(1) LACK OF REPORT.—If the report required by subsection (a)(1) is not submitted to the committees of Congress referred to in that subsection by the contingency date, effective as of the contingency date, the policy of the Department on rates of per diem for long-term temporary duty assignments shall be the policy as in effect as of October 31, 2014.

(2) FINDING OF COSTS OUTWEIGHING BENEFITS.—If the specification in the report as required by subsection (a)(2) is that the benefits of the change in policy described in subsection (a)(1) have not outweighed or will not continue to outweigh the costs of the change of policy, effective as of the date of the report, the policy of the Department on rates of per

diem for long-term temporary duty assignments shall be the policy as in effect as of October 31, 2014.

(3) CONTINGENCY DATE DEFINED.—In this subsection, the term "contingency date" means the date that is 120 days after the date of the enactment of this Act.

SEC. 632. PROHIBITION ON PER DIEM ALLOWANCE REDUCTIONS BASED ON THE DURATION OF TEMPORARY DUTY ASSIGNMENT OR CIVILIAN TRAVEL.

(a) MEMBERS.—Section 474(d)(3) of title 37, United States Code, is amended by adding at the end the following new sentence: "The Secretary of a military department shall not alter the amount of the per diem allowance, or the maximum amount of reimbursement, for a locality based on the duration of the temporary duty assignment in the locality of a member of the armed forces under the jurisdiction of the Secretary.".

(b) CIVILIAN EMPLOYEES.—Section 5702(a)(2) of title 5, United States Code, is amended by adding at the end the following new sentence: "The Secretary of Defense shall not alter the amount of the per diem allowance, or the maximum amount of reimbursement, for a locality based on the duration of the travel in the locality of an employee of the Department.".

(c) REPEALS.—

(1) EXISTING POLICY AND REGULATIONS.—The policy, and any regulations issued pursuant to such policy, implemented by the Secretary of Defense on November 1, 2014, with respect to reductions in per diem allowances based on duration of temporary duty assignment or civilian travel shall have no force or effect.

(2) ATTEMPTED STATUTORY FIX.—Section 672 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 37 U.S.C. 474 note; 130 Stat. 2178) is repealed.

TITLE VII—HEALTH CARE PROVISIONS

Subtitle A—TRICARE and Other Health Care Benefits

SEC. 701. CONSOLIDATION OF COST-SHARING REQUIREMENTS UNDER TRICARE SELECT AND TRICARE PRIME.

(a) TRICARE SELECT.—

(1) IN GENERAL.—Section 1075 of title 10, United States Code, is amended—

(A) in subsection (c), by striking paragraphs (1) and (2) and inserting the following new paragraphs:

"(1) With respect to beneficiaries in the active-duty family member category or the retired category other than beneficiaries described in paragraph (2)(B), the cost-sharing requirements shall be calculated pursuant to subsection (d)(1).

"(2)(A) With respect to beneficiaries described in subparagraph (B) in the active-duty family member category or the retired category, the cost-sharing requirements shall be calculated as if the beneficiary were enrolled in TRICARE Extra or TRICARE Standard as if TRICARE Extra or TRICARE Standard, as the case may be, were still being carried out by the Secretary.

"(B) Beneficiaries described in this subparagraph are the following beneficiaries:

"(i) Retired members and the family members of such retired members covered by section 1086(c)(1) of this title by reason of being retired under chapter 61 of this title or being a dependent of such a retired member.

"(ii) Survivors covered by section 1086(c)(2) of this title.";

(B) by striking subsection (e); and

(C) by redesignating subsections (f), (g), and (h) as subsections (e), (f), and (g), respectively.

(2) CONFORMING AMENDMENT.—Subsection (d)(2) of such section is amended by striking ", and the amounts specified under paragraphs (1) and (2) of subsection (e),".

(b) TRICARE PRIME.—Section 1075a(a) of title 10, United States Code, is amended—

(1) by striking paragraph (2) and inserting the following new paragraph:

"(2) With respect to beneficiaries in the active-duty family member category or the retired category (as described in section 1075(b)(1) of this title) other than beneficiaries described in paragraph (3)(B), the cost-sharing requirements shall be calculated pursuant to subsection (b)(1)."; and

(2) in paragraph (3), by striking subparagraph (B) and inserting the following new subparagraph:

"(B) Beneficiaries described in this subparagraph are the following beneficiaries:

"(i) Retired members and the family members of such retired members covered by section 1086(c)(1) of this title by reason of being retired

under chapter 61 of this title or being a dependent of such a retired member.

"(ii) Survivors covered by section 1086(c)(2) of this title.".

(c) EFFECTIVE DATE.—The amendments made by this section shall take effect on January 1, 2019.

SEC. 702. ADMINISTRATION OF TRICARE DENTAL PLANS THROUGH THE FEDERAL EMPLOYEES DENTAL INSURANCE PROGRAM.

(a) ELIGIBILITY OF ADDITIONAL BENEFICIARIES UNDER THE FEDERAL EMPLOYEES DENTAL INSURANCE PROGRAM.—Section 8951(8) of title 5, United States Code, is amended by striking "1076c" and inserting "1076a or 1076c".

(b) ADMINISTRATION OF TRICARE DENTAL PLANS.—Subsection (b) of section 1076a of title 10, United States Code, is amended to read as follows:

"(b) ADMINISTRATION OF PLANS.—The plans established under this section shall be administered by the Secretary of Defense through an agreement with the Director of the Office of Personnel Management to allow persons described in subsection (a) to enroll in an insurance plan under chapter 89A of title 5, in accordance with terms prescribed by the Secretary, including terms, to the extent practical, as defined by the Director through regulation,

consistent with subsection (d) and, to the extent practicable in relation to such chapter 89A, other provisions of this section.".

(c) APPLICABILITY.—The amendments made by this section shall apply with respect to the first contract year for chapter 89A of title 5, United States Code, that begins on or after January 1, 2022.

(d) TRANSITION.—To ensure the successful transition of programs, in carrying out the TRICARE dental program under section 1076a of title 10, United States Code, the Secretary of Defense shall ensure that the contractor for such program provides claims information under such program to carriers providing dental coverage under chapter 89A of title 5, United States Code.

SEC. 703. CONTRACEPTION COVERAGE PARITY UNDER THE TRICARE PROGRAM.

(a) IN GENERAL.—Section 1074d(b)(3) of title 10, United States Code, is amended by inserting before the period at the end the following: "(including all methods of contraception approved by the Food and Drug Administration, contraceptive care (including with respect to insertion, removal, and follow up), sterilization procedures, and patient education and counseling in connection therewith)".

(b) PROHIBITION ON COST-SHARING FOR CERTAIN SERVICES.—

(1) TRICARE SELECT.—Section 1075(c) of such title is amended by adding at the end the following new paragraph:

"(4) For all beneficiaries under this section, there is no cost-sharing for any method of contraception provided by a network provider.".

(2) TRICARE PRIME.—Section 1075a(b) of such title is amended by adding at the end the following new paragraph:

"(5) For all beneficiaries under this section, there is no cost-sharing for any method of contraception provided by a network provider.".

(3) PHARMACY BENEFITS PROGRAM.—Section 1074g(a)(6) of such title is amended by adding at the end the following new subparagraph:

"(D) Notwithstanding subparagraphs (A) and (B), there is no cost-sharing for any prescription contraceptive on the uniform formulary provided by a network retail pharmacy provider or the mail order pharmacy program.".

(c) EFFECTIVE DATE.—The amendments made by this section shall take effect on January 1, 2020.

SEC. 704. PILOT PROGRAM ON OPIOID MANAGEMENT IN THE MILITARY HEALTH SYSTEM.

(a) PILOT PROGRAM.—

(1) IN GENERAL.—Beginning not later than 180 days after the date of the enactment of this Act, the Director of the Defense Health Agency shall implement a comprehensive pilot program to minimize early opioid exposure in beneficiaries under the TRICARE program and to prevent progression to misuse or abuse of opioid medications.

(2) OPIOID SAFETY ACROSS CONTINUUM OF CARE.—The pilot program shall include elements to maximize opioid safety across the entire continuum of care consisting of patient, physician or dentist, and pharmacist.

(b) ELEMENTS OF PILOT PROGRAM.—The pilot program shall include the following:

(1) Identification of potential opioid misuse or abuse in pharmacies of military treatment facilities, retail network pharmacies, and the home delivery pharmacy and transmission of alerts regarding such potential mistreatment to opioid prescribing physicians or dentists.

(2) Direct engagement with, education for, and management of beneficiaries under the TRICARE program to help such beneficiaries avoid opioid misuse or abuse.

(3) Provision of in-home disposal kits to deactivate excess opioids and prevent unauthorized use.

(4) Proactive outreach by specialist pharmacists to such beneficiaries when identifying potential opioid misuse or abuse.

(5) Monitoring of such beneficiaries through the use of predictive analytics to identify the potential for abuse and addiction before such beneficiaries begin an opioid prescription.

(6) Detection of fraud, waste, and abuse.

(c) REPORT ON PILOT PROGRAM.—

(1) IN GENERAL.—Not later than 180 days before completion of the pilot program, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report that describes the conduct of the pilot program.

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

(A) A description of the pilot program, including outcome measures developed to determine the overall effectiveness of the pilot program.

(B) A description of the ability of the pilot program to identify opioid misuse and abuse among beneficiaries under the TRICARE pro-

gram in each pharmacy venue of the pharmacy program of the military health system.

(C) A description of the impact of the use of predictive analytics to monitor such beneficiaries to identify the potential for opioid abuse and addiction before such beneficiaries begin an opioid prescription.

(D) A description of any reduction in the misuse or abuse of opioid medications among such beneficiaries as a result of the pilot program.

(d) DURATION.—

(1) IN GENERAL.—Except as provided in paragraph (2), the Director shall carry out the pilot program for a period of not more than three years.

(2) EXPANSION.—The Director may implement the pilot program on a permanent basis if the Director determines that the pilot program successfully reduces early opioid exposure in beneficiaries under the TRICARE program and prevents progression to misuse or abuse of opioid medications.

(e) TRICARE PROGRAM DEFINED.—In this section, the term "TRICARE program" has the meaning given that term in section 1072 of title 10, United States Code.

SEC. 705. PILOT PROGRAM ON TREATMENT OF MEMBERS OF THE ARMED FORCES FOR POST-TRAUMATIC STRESS DISORDER RELATED TO MILITARY SEXUAL TRAUMA.

(a) IN GENERAL.—The Secretary of Defense may carry out a pilot program to assess the feasibility and advisability of using intensive outpatient programs to treat members of the Armed Forces suffering from post-traumatic stress disorder resulting from military sexual trauma, including treatment for substance abuse, depression, and other issues related to such conditions.

(b) DISCHARGE THROUGH PARTNERSHIPS.—The pilot program authorized by subsection (a) shall be carried out through partnerships with public, private, and non-profit health care organizations and institutions that—

(1) provide health care to members of the Armed Forces;

(2) provide evidence-based treatment for psychological and neurological conditions that are common among members of the Armed Forces, including post-traumatic stress disorder, traumatic brain injury, substance abuse, and depression;

(3) provide health care, support, and other benefits to family members of members of the Armed Forces; and

(4) provide health care under the TRICARE program (as that term is defined in section 1072 of title 10, United States Code).

(c) PROGRAM ACTIVITIES.—Each organization or institution that participates in a partnership under the pilot program authorized by subsection (a) shall—

(1) carry out intensive outpatient programs of short duration to treat members of the Armed Forces suffering from post-traumatic stress disorder resulting from military sexual trauma, including treatment for substance abuse, depression, and other issues related to such conditions;

(2) use evidence-based and evidence-informed treatment strategies in carrying out such programs;

(3) share clinical and outreach best practices with other organizations and institutions participating in the pilot program; and

(4) annually assess outcomes for members of the Armed Forces individually and among the organizations and institutions participating in the pilot program with respect to the treatment of conditions described in paragraph (1).

(d) EVALUATION METRICS.—Before commencement of the pilot program, the Secretary shall establish metrics to

be used to evaluate the effectiveness of the pilot program and the activities under the pilot program.

(e) REPORTS.—

(1) INITIAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program authorized by subsection (a). The report shall include a description of the pilot program and such other matters on the pilot program as the Secretary considers appropriate.

(2) FINAL REPORT.—Not later than 180 days after the cessation of the pilot program under subsection (f), the Secretary shall submit to the committees of Congress referred to in paragraph (1) a report on the pilot program. The report shall include the following:

(A) A description of the pilot program, including the partnership under the pilot program as described in subsection (b).

(B) An assessment of the effectiveness of the pilot program and the activities under the pilot program.

(C) Such recommendations for legislative or administrative action as the Secretary considers

appropriate in light of the pilot program, including recommendations for extension or making permanent the authority for the pilot program.

(f) TERMINATION.—The Secretary may not carry out the pilot program authorized by subsection (a) after the date that is three years after the date of the enactment of this Act.

Subtitle B—Health Care Administration

SEC. 711. IMPROVEMENT OF ADMINISTRATION OF DEFENSE HEALTH AGENCY AND MILITARY MEDICAL TREATMENT FACILITIES.

(a) IN GENERAL.—Subsection (a) of section 1073c of title 10, United States Code, is amended—

(1) by redesignating paragraphs (2) and (3) as paragraphs (3) and (4), respectively; and

(2) by inserting after paragraph (1) the following new paragraph (2):

"(2) In addition to the responsibilities set forth in paragraph (1), the Director of the Defense Health Agency shall have the authority—

"(A) to direct, control, and serve as the primary rater of the performance of commanders or directors of military medical treatment facilities;

"(B) to direct and control any intermediary organizations between the Defense Health Agency and military medical treatment facilities;

"(C) to determine the scope of medical care provided at each military medical treatment facility to meet the military personnel readiness requirements of the senior military operational commander of the military installation;

"(D) to determine total workforce requirements at each military medical treatment facility;

"(E) to direct joint manning at military medical treatment facilities and intermediary organizations;

"(F) to establish training and skills sustainment venues for military medical personnel;

"(G) to address personnel staffing shortages at military medical treatment facilities; and

"(H) to approve service nominations for commanders or directors of military medical treatment facilities.".

(b) COMBAT SUPPORT RESPONSIBILITIES.—Subsection (d)(2) of such section is amended by adding at the end the following new subparagraph:

"(C) Ensuring that the Defense Health Agency meets the military personnel readiness requirements

of the senior military operational commanders of the military installations.''.

SEC. 712. ORGANIZATIONAL FRAMEWORK OF THE MILITARY HEALTHCARE SYSTEM TO SUPPORT MEDICAL REQUIREMENTS OF THE COMBATANT COMMANDS.

(a) ORGANIZATIONAL FRAMEWORK REQUIRED.—The Secretary of Defense shall, acting through the Director of the Defense Health Agency, implement an organizational framework for the military healthcare system that most effectively implements chapter 55 of title 10, United States Code, in a manner that maximizes interoperability and fully integrates medical capabilities of the Armed Forces in order to enhance joint military medical operations in support of requirements of the combatant commands.

(b) IMPLEMENTATION.—

(1) COMMENCEMENT.—Implementation of the organizational framework required by subsection (a) shall commence not later than October 1, 2018.

(2) PHASED IMPLEMENTATION.—Implementation of the organizational framework may occur in phases, as considered appropriate by the Director.

(3) COMPLETION.—The organizational framework shall be fully implemented by not later than October 1, 2020.

(4) COMPLIANCE WITH CERTAIN REQUIREMENTS.—The organizational framework, as implemented, shall comply with all requirements of section 1073c of title 10, United States Code, except for the October 1, 2018, implementation date specified in such section.

(c) HEALTH-READINESS REGIONS IN CONUS REQUIRED.—The organizational framework required by subsection (a) shall meet the requirements as follows:

(1) HEALTH-READINESS REGIONS.—There shall be not more than three health-readiness regions established in the continental United States.

(2) LEADER.—Each region under paragraph (1) shall be led by a commander or director who is a member of the Armed Forces serving in a grade not higher than major general or rear admiral and who shall be—

(A) selected by the Director from among members of the Armed Forces recommended by the military departments for service in such position; and

(B) under the authority, direction, and control of the Director while serving in such position.

(3) REGIONAL HUBS.—

(A) IN GENERAL.—Each region under paragraph (1) shall include a major military medical center designated by the Director to serve as the regional hub for the provision of specialized medical services in such region.

(B) CAPABILITIES.—A major medical center may not be designated as a regional hub unless the center—

(i) includes one or more large graduate medical education training platforms; and

(ii) provides, at a minimum, role 4 medical care.

(C) LOCATION.—Any major medical center designated as a regional hub of a region shall be geographically located so as to maximize the support provided by uniformed medical resources in the region to the combatant commands. In designating major medical centers as a regional hub, the Director shall give consideration to the collocation of such centers with major aerial debarkation points of patients in the medical evacuation system of the United States Transportation Command.

(D) MAJOR HEALTH CARE DELIVERY PLATFORM.—A major medical center designated as a

regional hub of a region shall serve as the major health care delivery platform for the provision of complex specialized medical care in the region, whether through patient referrals from other military medical treatment facilities in the region or through referrals from other regions in the case of certain specialized medical services (such as treatment for severe burns) which may only be available at a military medical treatment facility within the region.

(4) ADDITIONAL MILITARY MEDICAL CENTERS.—Consistent with section 1073d of title 10, United States Code, each region under paragraph (1) may include one or more additional military medical centers, whether established or maintained by the Director for purposes of this section, in order to serve locations in the region, if any, as follows:

(A) Locations with large beneficiary populations.

(B) Locations that serve as the primary readiness platforms of the Armed Forces.

(5) PATIENT REFERRALS AND COORDINATION.—The Director shall ensure effective and efficient medical care referrals and coordination among military medical treatment facilities in each region under

paragraph (1), and among local or regional high-performing health systems in the region, through local or regional partnerships with institutional or individual civilian providers.

(d) HEALTH-READINESS REGIONS OCONUS REQUIRED.—The organizational framework required by subsection (a) shall meet the requirements as follows:

(1) HEALTH-READINESS REGIONS.—There shall be established not more than two health-readiness regions outside the continental United States—

(A) to enhance joint military medical operations in support of the requirements of the combatant commands in such region or regions, with a specific focus on existing and future contingency and operational plans;

(B) to ensure the provision of high-quality healthcare services to beneficiaries; and

(C) to improve the interoperability of healthcare delivery systems in regions (whether under this subsection, subsection (c), or both).

(2) PATIENT REFERRALS AND COORDINATION.—The Director shall ensure effective and efficient medical care referrals and coordination among military medical treatment facilities in any region under

paragraph (1), and among local or regional high-performing health systems in such region.

(e) PLANNING AND COORDINATION.—

(1) SUSTAINMENT OF CLINICAL COMPETENCIES AND STAFFING.—The Director shall—

(A) provide in each health-readiness region under this section healthcare delivery venues for uniformed medical and dental personnel to obtain operational clinical competencies; and

(B) coordinate with the military departments to ensure that staffing at military medical treatment facilities in each region supports readiness requirements for members of the Armed Forces and military medical personnel.

(2) OVERSIGHT AND ALLOCATION OF RESOURCES.—

(A) IN GENERAL.—The Director shall, consistent with section 193 of title 10, United States Code, coordinate with the Chairman of the Joint Chiefs of Staff, through the Joint Staff Surgeon, to conduct oversight and direct resources to support requirements related to readiness or operational medicine support that are validated by the Joint Staff.

(B) SUPPLY AND DEMAND FOR MEDICAL SERVICES.—Based on operational medical force readiness requirements of the combatant commands validated by the Joint Staff, the Director shall—

(i) validate supply and demand requirements for medical and dental services at each military medical treatment facility;

(ii) in coordination with the operational medical force readiness organizations required by subsection (f)(1), provide currency workload for uniformed medical and dental personnel at each facility to maintain skills proficiency; and

(iii) if workload is insufficient to meet requirements, identify alternative training and clinical practice sites for uniformed medical and dental personnel, and establish military-civilian training partnerships, to provide such workload.

(f) OPERATIONAL MEDICAL FORCE READINESS ORGANIZATIONS OF THE ARMED FORCES.—

(1) ESTABLISHMENT.—Not later than October 1, 2019, the Secretary of Defense shall, acting through the Secretary of the military department concerned,

establish in each military department an operational medical force readiness organization in accordance with this subsection.

(2) LEADER.—

(A) IN GENERAL.—Each operational medical force readiness organization established under paragraph (1) shall be led by the Surgeon General of an Armed Force.

(B) CONSTRUCTION OF DUTIES.—The duties of a Surgeon General under this paragraph as leader of an operational medical force readiness organization are in addition to the duties of such Surgeon General under section 3036, 5137, or 8036 of title 10, United States Code, as applicable.

(3) RESPONSIBILITIES.—The responsibilities of an operational medical force readiness organization are limited to the responsibilities as follows:

(A) To recruit, organize, train, and equip uniformed medical and dental personnel of the military department concerned.

(B) To assign uniformed medical and dental personnel of the military department concerned to military medical treatment facilities for training activities specific to such military

department and for operational and training missions, during which assignment such personnel shall be under the operational control of the commander or director of the military medical treatment facility concerned, subject to the authority, direction, and control of the Director.

(C) To ensure the readiness for operational deployment of medical and dental personnel and deployable medical or dental teams or units of the Armed Force or Armed Forces concerned.

(D) To provide logistical support for operational deployment of medical and dental personnel and deployable medical or dental teams or units of the Armed Force or Armed Forces concerned.

(E) To oversee the mobilization and demobilization in connection with operational deployment of medical and dental personnel of the Armed Force or Armed Forces concerned.

(F) To carry out operational medical and dental force development for the military department concerned.

(G) In coordination with the Secretary concerned, to ensure that the operational medical force readiness organizations of the Armed

Forces support the medical and dental readiness responsibilities of the Director and the Secretary concerned.

(4) MEDICAL FORCE REQUIREMENTS OF COMBATANT COMMANDS.—

(A) IN GENERAL.—Each operational medical force readiness organization shall ensure that the uniformed medical and dental personnel serving in the military department concerned receive training and clinical practice opportunities necessary to ensure that such personnel are capable of meeting the operational medical force requirements of the combatant commands applicable to such personnel. Such training and practice opportunities shall be provided through programs and activities of the Defense Health Agency and by such other mechanisms as the Secretary shall designate for purposes of this paragraph.

(B) REQUIREMENTS.—The commanders of the combatant commands shall apprise operational medical force readiness organizations of the operational medical force requirements of the combatant commands through the Joint Staff.

(5) NO COMMAND AUTHORITY.—An operational medical force readiness organization established under paragraph (1) shall have no command authority.

(g) DISESTABLISHMENT OF SUPERSEDED MEDICAL ORGANIZATIONS.—

(1) IN GENERAL.—Not later than the date on which the Secretary of Defense establishes an operational medical force readiness organization within a military department pursuant to subsection (f), the Secretary of Defense shall, acting through the Secretary of such military department concerned, disestablish the following:

(A) In the case of the Army, the Army Medical Command, and any associated subordinate command or organization.

(B) In the case of the Navy, the Bureau of Medicine and Surgery of the Navy, and any associated subordinate command or organization.

(C) In the case of the Air Force, the Air Force Medical Service, and any associated subordinate command or organization.

(2) TRANSFER OF PERSONNEL AUTHORIZATIONS.—Any personnel authorization of a command or organization disestablished pursuant to paragraph (1) as of the date of disestablishment may be trans-

ferred by the Secretary to the Defense Health Agency or any other organization of the Department of Defense considered appropriate by the Secretary, including an operational medical force readiness organization under subsection (f).

SEC. 713. STREAMLINING OF TRICARE PRIME BENEFICIARY REFERRAL PROCESS.

(a) IN GENERAL.—The Secretary of Defense shall streamline the process under section 1095f of title 10, United States Code, by which beneficiaries enrolled in TRICARE Prime are referred to the civilian provider network for inpatient or outpatient care under the TRICARE program.

(b) OBJECTIVES.—In carrying out the requirement in subsection (a), the Secretary shall meet the following objectives:

(1) The referral process shall model best industry practices for referrals from primary care managers to specialty care providers.

(2) The process shall strictly limit administrative requirements for enrolled beneficiaries, relying instead on communications among providers and care coordinators to arrange appointments within applicable access to care scheduling time standards.

(3) Beneficiary preferences for communications relating to appointment referrals using state-of-the-art information technology shall be used to expedite the process.

(4) There shall be effective and efficient processes to determine the availability of appointments at military medical treatment facilities and, when unavailable, to make prompt referrals to network providers under the TRICARE program.

(5) There shall be no right-of-first refusal requirement under the process.

(c) DEADLINE FOR IMPLEMENTATION.—The requirement in subsection (a) shall be implemented for referrals under TRICARE Prime in calendar year 2019.

(d) EVALUATION AND IMPROVEMENT.—After 2019, the Secretary shall—

(1) evaluate the process described in subsection (a) not less often annually; and

(2) make appropriate improvements to the process in light of such evaluation.

(e) DEFINITIONS.—In this section, the terms "TRICARE program" and "TRICARE Prime" have the meaning given such terms in section 1072 of title 10, United States Code.

SEC. 714. SHARING OF INFORMATION WITH STATE PRESCRIPTION DRUG MONITORING PROGRAMS.

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

(1) by redesignating subsections (g) and (h) as subsections (h) and (i), respectively; and

(2) by inserting after subsection (f) the following new subsection (g):

"(g) SHARING OF INFORMATION WITH STATE PRESCRIPTION DRUG MONITORING PROGRAMS.—(1) The Secretary of Defense shall establish and maintain a program (to be known as the 'Military Health System Prescription Drug Monitoring Program') in accordance with this subsection. The program shall include a special emphasis on drugs provided through facilities of the uniformed services.

"(2) The program shall be—

"(A) comparable to prescription drug monitoring programs operated by States, including such programs approved by the Secretary of Health and Human Services under section 399O of the Public Health Service Act (42 U.S.C. 280g–3); and

"(B) applicable to designated controlled substance prescriptions under the pharmacy benefits program.

"(3)(A) The Secretary shall establish appropriate procedures for the bi-directional sharing of patient-specific in-

formation regarding prescriptions for designated controlled substances between the program and State prescription drug monitoring programs.

"(B) The purpose of sharing of information under this paragraph shall be to prevent misuse and diversion of opioid medications and other designated controlled substances.

"(C) Any disclosure of patient-specific information by the Secretary under this paragraph is an authorized disclosure for purposes of the health information privacy regulations promulgated under the Health Insurance Portability and Accountability Act of 1996 (Public Law 104–191).

"(4)(A) Any procedures developed pursuant to paragraph (3)(A) shall include appropriate safeguards, as determined by the Secretary, concerning cyber security of Department of Defense systems and operational security of Department personnel.

"(B) To the extent the Secretary considers appropriate, the program may be treated as comparable to a State program for purposes of bi-directional sharing of controlled substance prescription information.

"(5) For purposes of this subsection, any reference to a program operated by a State includes any program operated by a county, municipality, or other subdivision within that State.".

(b) CONFORMING AMENDMENT.—Section 1079(q) of such title is amended by striking "section 1074g(g)" and inserting "section 1074g(h)".

SEC. 715. IMPROVEMENT OF REIMBURSEMENT BY DEPARTMENT OF DEFENSE OF ENTITIES CARRYING OUT STATE VACCINATION PROGRAMS IN CONNECTION WITH VACCINES PROVIDED TO COVERED BENEFICIARIES UNDER THE TRICARE PROGRAM.

Section 719(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 1074g note) is amended—

(1) in paragraph (1), by striking "for the cost of vaccines provided to covered beneficiaries through such program"; and

(2) in paragraph (2)—

(A) in subparagraph (A), by striking "to purchase vaccines provided" and inserting "in making vaccines available";

(B) in subparagraph (B), by striking "to provide vaccines" and all that follows through the period at the end and inserting "with respect to a State vaccination program may not exceed the amount the Department would reimburse an entity for making vaccines available to the num-

ber of covered beneficiaries who reside in the State concerned.''; and

(C) by adding at the end the following new subparagraph:

''(C) INAPPLICABILITY OF LIMITATION.—Subparagraph (B) shall not apply to amounts assessed by entities that provide independent verification that the assessments of such entities are below the costs of the private sector in making vaccines available.''.

Subtitle C—Reports and Other Matters

SEC. 721. EXTENSION OF AUTHORITY FOR JOINT DEPARTMENT OF DEFENSE-DEPARTMENT OF VETERANS AFFAIRS MEDICAL FACILITY DEMONSTRATION FUND.

Section 1704(e) of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2573), as amended by section 722 of the Carl Levin and Howard P. ''Buck'' McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291), section 723 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92), section 741(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328), and section 719 of the National De-

fense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended by striking "September 30, 2019" and inserting "September 30, 2020".

SEC. 722. INCREASE IN NUMBER OF APPOINTED MEMBERS OF THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE.

Section 178(c)(1)(C) of title 10, United States Code, is amended by striking "four members" and inserting "six members".

SEC. 723. CESSATION OF REQUIREMENT FOR MENTAL HEALTH ASSESSMENT OF MEMBERS AFTER REDEPLOYMENT FROM A CONTINGENCY OPERATION UPON DISCHARGE OR RELEASE FROM THE ARMED FORCES.

Section 1074m of title 10, United States Code, is amended—

(1) in subsection (a)(1)(C), by striking "Once" and inserting "Subject to subsection (d), once"; and

(2) in subsection (d), by striking "subsection (a)(1)(D)" and inserting "subparagraph (C) or (D) of subsection (a)(1)".

SEC. 724. PILOT PROGRAM ON EARNING BY SPECIAL OPERATIONS FORCES MEDICS OF CREDITS TOWARDS A PHYSICIAN ASSISTANT DEGREE.

(a) IN GENERAL.—The Assistant Secretary of Defense for Health Affairs shall conduct a pilot program to assess the feasibility and advisability of partnerships between special operations forces and institutions of higher education, and health care systems if determined appropriate by the Assistant Secretary for purposes of the pilot program, through which special operations forces medics earn credit toward the master's degree of physician assistant for military operational work and training performed by the medics.

(b) DURATION.—The Assistant Secretary shall conduct the pilot program for a period not to exceed five years.

(c) CLINICAL TRAINING.—Partnerships under subsection (a) shall permit medics participating in the pilot program to conduct clinical training at medical facilities of the Department of Defense and the civilian sector.

(d) EVALUATION.—The evaluation of work and training performed by medics for which credits are earned under the pilot program shall comply with civilian clinical evaluation standards applicable to the awarding of master's degrees of physician assistant.

(e) REPORTS.—

(1) INITIAL 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 Senate and the House of Representative a report that shall include the following:

(A) A comprehensive framework for the military education to be provided to special operations forces medics under the pilot program, including courses of instruction at institutions of higher education and any health care systems participating in the pilot program.

(B) Metrics to be used to assess the effectiveness of the pilot program.

(C) A description of the mechanisms to be used by the Department, medics, or both to cover the costs of education received by medics under the pilot program through institutions of higher education or health care systems, including payment by the Department in return for a military service commitment, tuition or other educational assistance by the Department, use by medics of post-9/11 educational assistance available through the Department of Veterans Affairs, and any other mechanisms the Secretary considers appropriate for purposes of the pilot program.

(2) FINAL REPORT.—Not later than 180 days after completion of the pilot program, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a final report on the pilot program. The report shall include the following:

(A) An evaluation of the pilot program using the metrics of assessment set forth pursuant to paragraph (1)(B).

(B) An assessment of the utility of the funding mechanisms set forth pursuant to paragraph (1)(C).

(C) An assessment of the effects of the pilot program on recruitment and retention of medics for special operations forces.

(D) An assessment of the feasibility and advisability of extending one or more authorities for joint professional military education under chapter 107 of title 10, United States Code, to warrant officers or enlisted personnel, and if the Secretary considers the extension of any such authorities feasible and advisable, recommendations for legislative or administrative action to so extend such authorities.

(f) CONSTRUCTION OF AUTHORITIES.—Nothing in this section may be construed to—

(1) authorize an officer or employee of the Federal Government to create, endorse, or otherwise incentivize a particular curriculum or degree track; or

(2) require, direct, review, or control a State or educational institution, or the instructional content, curriculum, and related activities of a State or educational institution.

SEC. 725. PILOT PROGRAM ON PARTNERSHIPS WITH CIVILIAN ORGANIZATIONS FOR SPECIALIZED MEDICAL TRAINING.

(a) IN GENERAL.—The Secretary of Defense shall carry out a pilot program to assess the feasibility and advisability of establishing partnerships with public, private, and non-profit organizations and institutions to provide short-term specialized medical training to advance the medical skills and capabilities of military medical providers.

(b) DURATION.—The Secretary may carry out the pilot program under subsection (a) for a period of not more than three years.

(c) EVALUATION METRICS.—Before commencing the pilot program under subsection (a), the Secretary shall es-

tablish metrics to be used to evaluate the effectiveness of the pilot program.

(d) REPORTS.—

(1) INITIAL REPORT.—

(A) IN GENERAL.—Not later than 180 days before the commencement of the pilot program under subsection (a), the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program.

(B) ELEMENTS.—The report required by subparagraph (A) shall include a description of the pilot program, the evaluation metrics established under subsection (c), and such other matters relating to the pilot program as the Secretary considers appropriate.

(2) FINAL REPORT.—

(A) IN GENERAL.—Not later than 180 days after the completion of the pilot program under subsection (a), the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program.

(B) ELEMENTS.—The report required by subparagraph (A) shall include the following:

(i) A description of the pilot program, including the partnerships established under the pilot program as described in subsection (a).

(ii) An assessment of the effectiveness of the pilot program.

(iii) Such recommendations for legislative or administrative action as the Secretary considers appropriate in light of the pilot program, including recommendations for extending or making permanent the authority for the pilot program.

(e) FUNDING.—

(1) IN GENERAL.—The amount authorized to be appropriated for fiscal year 2019 for the Department of Defense for the Defense Health Program for education and training shall be increased by $2,500,000.

(2) AVAILABILITY.—The amount of the increase of the authorization under paragraph (1) shall be available to carry out this section and shall remain available for obligation until the completion of the pilot program under this section.

SEC. 726. REGISTRY OF INDIVIDUALS EXPOSED TO PER- AND POLYFLUOROALKYL SUBSTANCES ON MILITARY INSTALLATIONS.

(a) ESTABLISHMENT OF REGISTRY.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Veterans Affairs shall—

(A) establish and maintain a registry for eligible individuals who may have been exposed to per- and polyfluoroalkyl substances (in this section referred to as "PFAS") due to the environmental release of aqueous film-forming foam (in this section referred to as "AFFF") on military installations to meet the requirements of military specification MIL–F–24385F;

(B) include any information in such registry that the Secretary of Veterans Affairs determines necessary to ascertain and monitor the health effects of the exposure of members of the Armed Forces to PFAS associated with AFFF;

(C) develop a public information campaign to inform eligible individuals about the registry, including how to register and the benefits of registering; and

(D) periodically notify eligible individuals of significant developments in the study and

treatment of conditions associated with exposure to PFAS.

(2) COORDINATION.—The Secretary of Veterans Affairs shall coordinate with the Secretary of Defense in carrying out paragraph (1).

(b) REPORTS.—

(1) INITIAL REPORT.—Not later than two years after the date on which the registry under subsection (a) is established, the Secretary of Veterans Affairs shall submit to Congress an initial report containing the following:

(A) An assessment of the effectiveness of actions taken by the Secretary of Veterans Affairs and the Secretary of Defense to collect and maintain information on the health effects of exposure to PFAS.

(B) Recommendations to improve the collection and maintenance of such information.

(C) Using established and previously published epidemiological studies, recommendations regarding the most effective and prudent means of addressing the medical needs of eligible individuals with respect to exposure to PFAS.

(2) FOLLOW-UP REPORT.—Not later than five years after submitting the initial report under para-

graph (1), the Secretary of Veterans Affairs shall submit to Congress a follow-up report containing the following:

(A) An update to the initial report submitted under paragraph (1).

(B) An assessment of whether and to what degree the content of the registry established under subsection (a) is current and scientifically up-to-date.

(3) INDEPENDENT SCIENTIFIC ORGANIZATION.—The Secretary of Veterans Affairs shall enter into an agreement with an independent scientific organization to prepare the reports under paragraphs (1) and (2).

(c) RECOMMENDATIONS FOR ADDITIONAL EXPOSURES TO BE INCLUDED.—Not later than five years after the date of the enactment of this Act, and every five years thereafter, the Secretary of Veterans Affairs, in consultation with the Secretary of Defense and the Administrator of the Environmental Protection Agency, shall submit to Congress recommendations for additional chemicals with respect to which individuals exposed to such chemicals should be included in the registry established under subsection (a).

(d) ELIGIBLE INDIVIDUAL DEFINED.—In this section, the term "eligible individual" means any individual who,

on or after a date specified by the Secretary of Veterans Affairs through regulations, served or is serving in the Armed Forces at a military installation where AFFF was used or at another location of the Department of Defense where AFFF was used.

SEC. 727. INCLUSION OF GAMBLING DISORDER IN HEALTH ASSESSMENTS FOR MEMBERS OF THE ARMED FORCES AND RELATED RESEARCH EFFORTS.

(a) ANNUAL PERIODIC HEALTH ASSESSMENT.—The Secretary of Defense shall incorporate medical screening questions specific to gambling disorder into the Annual Periodic Health Assessment conducted by the Department of Defense for members of the Armed Forces.

(b) RESEARCH EFFORTS.—The Secretary shall incorporate into ongoing research efforts of the Department questions on gambling disorder, as appropriate, including by restoring such questions into the Health Related Behaviors Survey of Active Duty Military Personnel and the Health Related Behaviors Survey of Reserve Component Personnel.

(c) REPORT.—Not later than two years after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report on efforts undertaken pursuant to subsections (a) and (b) and the findings of the assessments and surveys described in those sub-

sections with respect to the prevalence of gambling disorder among members of the Armed Forces.

SEC. 728. COMPTROLLER GENERAL REVIEW OF DEFENSE HEALTH AGENCY OVERSIGHT OF TRICARE MANAGED CARE SUPPORT CONTRACTORS.

(a) REVIEW.—Not later than 180 days after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the congressional defense committees a review of the oversight conducted by the Defense Health Agency with respect to the transition of managed care support contractors for the TRICARE program.

(b) MATTERS INCLUDED.—The review conducted under subsection (a) shall include the following:

(1) The extent to which the Defense Health Agency provided guidance and oversight to the outgoing and incoming managed care support contractors during the transition period prior to the start of health care delivery.

(2) The extent to which there were any issues with health care delivery, and if so—

(A) the effect, if any, of the guidance and oversight by the Defense Health Agency during the transition period on those issues; and

(B) the solutions of the Defense Health Agency for remediating any deficiencies of managed care support contractors.

(3) The extent to which the Defense Health Agency has reviewed any lessons learned from prior transitions and incorporated those lessons into the current transition.

(c) ONGOING REQUIREMENT.—The Comptroller General shall review any transition of managed care support contractors for the TRICARE program occurring after the date of the review under subsection (a) and submit to the congressional defense committees a similar review for each such transition.

(d) TRICARE PROGRAM DEFINED.—In this section, the term "TRICARE program" has the meaning given that term in section 1072 of title 10, United States Code.

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

Subtitle A—Acquisition Policy and Management

SEC. 801. PERMANENT SUPPLY CHAIN RISK MANAGEMENT AUTHORITY.

(a) PERMANENT EXTENSION OF AUTHORITY.—

(1) IN GENERAL.—Chapter 137 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 2339a. Requirements for information relating to supply chain risk

"(a) AUTHORITY.—Subject to subsection (b), the head of a covered agency may—

"(1) carry out a covered procurement action; and

"(2) limit, notwithstanding any other provision of law, in whole or in part, the disclosure of information relating to the basis for carrying out a covered procurement action.

"(b) DETERMINATION AND NOTIFICATION.—The head of a covered agency may exercise the authority provided in subsection (a) only after—

"(1) obtaining a joint recommendation by the Under Secretary of Defense for Acquisition and Sustainment and the Chief Information Officer of the Department of Defense, on the basis of a risk assessment by the Under Secretary of Defense for Intelligence, that there is a significant supply chain risk to a covered system;

"(2) making a determination in writing, in unclassified or classified form, with the concurrence of

the Under Secretary of Defense for Acquisition and Sustainment, that—

"(A) use of the authority in subsection (a)(1) is necessary to protect national security by reducing supply chain risk;

"(B) less intrusive measures are not reasonably available to reduce such supply chain risk; and

"(C) in a case where the head of the covered agency plans to limit disclosure of information under subsection (a)(2), the risk to national security due to the disclosure of such information outweighs the risk due to not disclosing such information; and

"(3) providing a classified or unclassified notice of the determination made under paragraph (2) to the appropriate congressional committees, which notice shall include—

"(A) the information required by section 2304(f)(3) of this title;

"(B) the joint recommendation by the Under Secretary of Defense for Acquisition and Sustainment and the Chief Information Officer of the Department of Defense as specified in paragraph (1);

"(C) a summary of the risk assessment by the Under Secretary of Defense for Intelligence that serves as the basis for the joint recommendation specified in paragraph (1); and

"(D) a summary of the basis for the determination, including a discussion of less intrusive measures that were considered and why they were not reasonably available to reduce supply chain risk.

"(c) DELEGATION.—The head of a covered agency may not delegate the authority provided in subsection (a) or the responsibility to make a determination under subsection (b) to an official below the level of the service acquisition executive for the agency concerned.

"(d) LIMITATION ON DISCLOSURE.—If the head of a covered agency has exercised the authority provided in subsection (a)(2) to limit disclosure of information—

"(1) no action undertaken by the agency head under such authority shall be subject to review in a bid protest before the Government Accountability Office or in any Federal court; and

"(2) the agency head shall—

"(A) notify appropriate parties of a covered procurement action and the basis for such action

only to the extent necessary to effectuate the covered procurement action;

"(B) notify other Department of Defense components or other Federal agencies responsible for procurements that may be subject to the same or similar supply chain risk, in a manner and to the extent consistent with the requirements of national security; and

"(C) ensure the confidentiality of any such notifications.

"(e) DEFINITIONS.—In this section:

"(1) HEAD OF A COVERED AGENCY.—The term 'head of a covered agency' means each of the following:

"(A) The Secretary of Defense.

"(B) The Secretary of the Army.

"(C) The Secretary of the Navy.

"(D) The Secretary of the Air Force.

"(2) COVERED PROCUREMENT ACTION.—The term 'covered procurement action' means any of the following actions, if the action takes place in the course of conducting a covered procurement:

"(A) The exclusion of a source that fails to meet qualification standards established in accordance with the requirements of section 2319 of

this title for the purpose of reducing supply chain risk in the acquisition of covered systems.

"(B) The exclusion of a source that fails to achieve an acceptable rating with regard to an evaluation factor providing for the consideration of supply chain risk in the evaluation of proposals for the award of a contract or the issuance of a task or delivery order.

"(C) The decision to withhold consent for a contractor to subcontract with a particular source or to direct a contractor for a covered system to exclude a particular source from consideration for a subcontract under the contract.

"(3) COVERED PROCUREMENT.—The term 'covered procurement' means—

"(A) a source selection for a covered system or a covered item of supply involving either a performance specification, as provided in section 2305(a)(1)(C)(ii) of this title, or an evaluation factor, as provided in section 2305(a)(2)(A) of this title, relating to supply chain risk;

"(B) the consideration of proposals for and issuance of a task or delivery order for a covered system or a covered item of supply, as provided in section 2304c(d)(3) of this title, where the task

or delivery order contract concerned includes a contract clause establishing a requirement relating to supply chain risk; or

"(C) any contract action involving a contract for a covered system or a covered item of supply where such contract includes a clause establishing requirements relating to supply chain risk.

"(4) SUPPLY CHAIN RISK.—The term 'supply chain risk' means the risk that an adversary may sabotage, maliciously introduce unwanted function, or otherwise subvert the design, integrity, manufacturing, production, distribution, installation, operation, or maintenance of a covered system so as to surveil, deny, disrupt, or otherwise degrade the function, use, or operation of such system.

"(5) COVERED SYSTEM.—The term 'covered system' means a national security system, as that term is defined in section 3542(b) of title 44.

"(6) COVERED ITEM OF SUPPLY.—The term 'covered item of supply' means an item of information technology (as that term is defined in section 11101 of title 40) that is purchased for inclusion in a covered system, and the loss of integrity of which could result in a supply chain risk for a covered system.

"(7) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term 'appropriate congressional committees' means—

"(A) in the case of a covered system included in the National Intelligence Program or the Military Intelligence Program, the Select Committee on Intelligence of the Senate, the Permanent Select Committee on Intelligence of the House of Representatives, and the congressional defense committees; and

"(B) in the case of a covered system not otherwise included in subparagraph (A), the congressional defense committees.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2339 the following new item:

"2339a. Requirements for information relating to supply chain risk.".

(b) REPEAL OF OBSOLETE AUTHORITY.—Section 806(g) of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2304 note) is hereby repealed.

SEC. 802. COMMERCIALLY AVAILABLE MARKET RESEARCH.

(a) IN GENERAL.—Subsection (e) of section 2431a of title 10, United States code, is amended by adding at the end the following new paragraph:

"(10) The term 'market research' includes—

"(A) government market research directly with prospective vendors, including—

"(i) contacting knowledgeable individuals in government and industry regarding market capabilities to meet requirements;

"(ii) reviewing the results of recent market research undertaken to meet similar or identical requirements;

"(iii) publishing formal requests for information in appropriate technical or scientific journals or business publications;

"(iv) querying the governmentwide database of contracts and other procurement instruments intended for use by multiple agencies;

"(v) participating in interactive, online communication among industry, acquisition personnel, and customers;

"(vi) obtaining source lists of similar items from other contracting activities or agencies, trade associations, or other sources;

"(vii) reviewing catalogs and other generally available product literature pub-

lished by manufacturers, distributors, and dealers or available online;

"(viii) conducting interchange meetings or holding presolicitation conferences to involve potential offerors early in the acquisition process; and

"(ix) ensuring that any conflicts of interest presented by vendors providing government capability statements are both disclosed and mitigated; and

"(B) commercially available third-party market research.".

(b) REVIEW.—Not later than 120 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 for Research and Engineering, shall review the guidance of the Department of Defense with regard to those portions of the Federal Acquisition Regulation regarding commercially available market research, including sections 10.001(a)(2)(vi) and 10.002(b). The review shall, at a minimum—

(1) assess the impact that conducting market research has on the Department's resources; and

(2) ensure that commercially available market research is considered among other sources of research,

as appropriate, and reviewed prior to developing new requirements documents for an acquisition by the Department.

SEC. 803. COMPTROLLER GENERAL ASSESSMENT OF ACQUISITION PROGRAMS AND RELATED INITIATIVES.

(a) IN GENERAL.—Chapter 131 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 2229b. Comptroller General assessment on acquisition programs and initiatives

"(a) ASSESSMENT REQUIRED.—The Comptroller General of the United States shall submit to the congressional defense committees an annual assessment of selected acquisition programs and initiatives of the Department of Defense by March 30th of each year, beginning in 2020.

"(b) ANALYSES TO BE INCLUDED.—The assessment required under subsection (a) shall include—

"(1) a macro analysis of how well acquisition programs and initiatives are performing and reasons for that performance;

"(2) a summary of organizational and legislative changes and emerging assessment methodologies since the last assessment, and a discussion of the implica-

tions for execution and oversight of programs and initiatives; and

"(3) specific analyses of individual acquisition programs and initiatives.

"(c) ACQUISITION PROGRAMS AND INITIATIVES TO BE CONSIDERED.—The assessment required under subsection (a) shall consider the following programs and initiatives:

"(1) Selected weapon systems, as determined appropriate by the Comptroller General.

"(2) Selected information technology systems and initiatives, including defense business systems, networks, and software-intensive systems, as determined appropriate by the Comptroller General.

"(3) Selected prototyping and rapid fielding activities and initiatives, as determined appropriate by the Comptroller General.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2229a the following new item:

"2229b. Comptroller General assessment on acquisition programs and related initiatives.".

(c) REPEAL OF SUPERSEDED AUTHORITY.—Section 883(d) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2222 note) is amended by striking paragraph (1).

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

SEC. 811. DEPARTMENT OF DEFENSE CONTRACTING DISPUTE MATTERS.

(a) IN GENERAL.—Not later than 180 days after the date of enactment of this Act, the Secretary of Defense shall carry out a study of the frequency and effects of bid protests involving the same contract award or proposed award that have been filed at both the Government Accountability Office and the United States Court of Federal Claims. The study shall cover Department of Defense contracts and include, at a minimum—

(1) the number of protests that have been filed with both tribunals and results;

(2) the number of such protests where the tribunals differed in denying or sustaining the action;

(3) the length of time, in average time and median time—

(A) from initial filing at the Government Accountability Office to decision in the United States Court of Federal Claims;

(B) from filing with each tribunal to decision by such tribunal;

(C) from the time at which the basis of the protest is known to the time of filing in each tribunal; and

(D) in the case of an appeal from a decision of the United States Court of Federal Claims, from the date of the initial filing of the appeal to decision in the appeal;

(4) the number of protests where performance was stayed or enjoined and for how long;

(5) if performance was stayed or enjoined, whether the requirement was obtained in the interim through another vehicle or in-house, or whether during the period of the stay or enjoining the requirement went unfulfilled;

(6) separately for each tribunal, the number of protests where performance was stayed or enjoined and monetary damages were awarded, which shall include for how long performance was stayed or enjoined and the amount of monetary damages;

(7) whether the protestor was a large or small business; and

(8) whether the protestor was the incumbent in a prior contract for the same or similar product or service.

(b) REPORT.—Not later than 180 days after the date of enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees, the Committee on the Judiciary of the Senate, and the Committee on the Judiciary of the House of Representatives a report on the results of the study, along with related recommendations for improving the expediency of the bid protest process. In preparing the report, the Secretary shall consult with the Attorney General of the United States, the Comptroller General of the United States, and the United States Court of Federal Claims.

(c) ONGOING DATA COLLECTION.—Not later than 270 days after the date of enactment of this Act, the Secretary of Defense shall establish and continuously maintain a data repository to collect on an ongoing basis the information described in subsection (a) and any additional relevant bid protest data the Secretary determines necessary and appropriate to allow the Department of Defense, the Government Accountability Office, and the United States Court of Federal Claims to assess and review bid protests over time.

(d) ESTABLISHMENT OF EXPEDITED PROCESS FOR SMALL VALUE CONTRACTS.—

(1) IN GENERAL.—Not later than December 1, 2019, the Secretary of Defense shall develop a plan and schedule for an expedited bid protest process for

Department of Defense contracts with a value of less than $100,000.

(2) CONSULTATION.—In carrying out paragraph (1), the Secretary of Defense may consult with the Government Accountability Office and the United States Court of Federal Claims to the extent such entities may establish a similar process at their election.

(3) REPORT.—Not later than May 1, 2019, the Secretary of Defense shall submit to the congressional defense committees a report on the plan and schedule for implementation of the expedited bid protest process, which shall include a request for any additional authorities the Secretary determines appropriate for such efforts.

SEC. 812. CONTINUATION OF TECHNICAL DATA RIGHTS DURING CHALLENGES.

(a) EXERCISE OF RIGHTS IN TECHNICAL DATA BEFORE FINAL DISPOSITION OF A CHALLENGE.—Section 2321(i) of title 10, United States Code, is amended—

(1) in the subsection heading, by inserting "PRIOR TO AND" after "RIGHTS AND LIABILITY";

(2) by redesignating paragraphs (1) and (2) as paragraphs (3) and (4), respectively; and

(3) by inserting before paragraph (3), as so redesignated, the following new paragraphs:

"(1) Upon issuance of a challenge to a use or release restriction asserted by a contractor or subcontractor under the contract made pursuant to subsection (d) or made under procedures established by the Department of Defense for challenges to asserted use or release restrictions in connection with noncommercial computer software, and until final disposition of such a challenge, the Department of Defense may exercise rights in the technical data or noncommercial computer software rights consistent with the grounds identified in the challenge pursuant to subsection (d)(3), (or the grounds identified under corresponding Department of Defense procedures in the case of noncommercial computer software) in order to meet Department of Defense mission requirements.

"(2) In the event that the challenge made by the government is not sustained upon final disposition, the contractor or subcontractor shall have only a right to damages against the United States if the United States was found to have not acted in good faith and as otherwise provided by law arising from the exercise of rights described in paragraph (1) during the time period described in such paragraph.".

(b) REVISION OF THE DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT.—Not later than 180 days after the date of the enactment of this Act, the Secretary

of Defense shall revise the Defense Federal Acquisition Regulation Supplement, by interim or final rule, to implement the amendments made by subsection (a).

(c) EFFECTIVE DATE.—The amendments made by subsection (a) and the revision required by subsection (b) shall become effective on the date of publication of the interim or final rule (whichever is earlier) required by subsection (b) and shall apply to solicitations issued by Department of Defense contracting activities after that date unless the senior procurement executive of the agency concerned grants a waiver on a case-by-case basis.

(d) GUIDANCE ON TECHNICAL DATA RIGHT NEGOTIATION.—The Secretary of Defense shall develop policies on the negotiation of technical data rights for noncommercial software that reflects the Department of Defense's needs for technical data rights in the event of a protest or replacement of incumbent contractor to meet defense requirements in the most cost effective manner.

SEC. 813. INCREASED MICRO-PURCHASE THRESHOLD.

(a) IN GENERAL.—Section 2338 of title 10, United States Code, is amended by striking "Notwithstanding subsection (a) of section 1902 of title 41, the micro-purchase threshold for the Department of Defense for purposes of such section is $5,000" and inserting "The micro-purchase threshold for the Department of Defense is $10,000".

(b) CONFORMING AMENDMENT.—Section 1902(a)(1) of title 41, United States Code, is amended by striking "sections 2338 and 2339 of title 10 and".

(c) REPEAL OF OBSOLETE AUTHORITY.—

(1) IN GENERAL.—Section 2339 of title 10, United States Code, is repealed.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 137 of title 10, United States Code, is amended by striking the item relating to section 2339.

SEC. 814. MODIFICATION OF LIMITATIONS ON SINGLE SOURCE TASK OR DELIVERY ORDER CONTRACTS.

Section 2304a(d)(3)(A) of title 10, United States Code, is amended by striking "reasonably perform the work" and inserting "efficiently perform the work".

SEC. 815. PRELIMINARY COST ANALYSIS REQUIREMENT FOR EXERCISE OF MULTIYEAR CONTRACT AUTHORITY.

Section 2306b(i)(2)(B) of title 10, United States Code, is amended—

(1) by striking "made after the completion of a cost analysis" and inserting "supported by a preliminary cost analysis"; and

(2) by striking "for the purpose of section 2334(e)(1) of this title, and that the analysis supports those preliminary findings".

SEC. 816. INCLUSION OF BEST AVAILABLE INFORMATION REGARDING PAST PERFORMANCE OF SUBCONTRACTORS AND JOINT VENTURE PARTNERS.

(a) REQUIREMENTS FOR PERFORMANCE OF SUBCONTRACTORS AND JOINT VENTURE PARTNERS.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Federal Acquisition Regulatory Council and the Administrator for Federal Procurement Policy, shall develop policies for the Department of Defense to ensure the best information regarding past performance of certain subcontractors and joint venture partners is available when awarding Department of Defense contracts. The policies shall include proposed revisions to the Defense Federal Acquisition Regulation Supplement as follows:

(1) Required performance evaluations, as part of a government-wide evaluation reporting tool, for first-tier subcontractors performing a portion of the contract valued at not less than 20 percent of the value of the prime contract, provided—

(A) the information included in rating the subcontractor is not inconsistent with the information included in the rating for the prime contractor;

(B) the subcontractor evaluation is conducted consistent with the provisions of section 42.15 of the Federal Acquisition Regulation;

(C) negative evaluations of a subcontractor in no way obviate the prime contractor's responsibility for successful completion of the contract and management of its subcontractors; and

(D) that in the judgment of the contracting officer, the overall execution of the work is impacted by the performance of the subcontractor or subcontractors.

(2) Required performance evaluations, as part of a government-wide evaluation reporting tool, of individual partners of joint venture-awarded, to ensure that past performance on joint venture projects is considered in future awards to individual joint venture partners, provided—

(A) at a minimum, the rating for joint ventures includes an identification that allows the evaluation to be retrieved for each partner of the joint venture;

(B) each partner, through the joint venture, is given the same opportunity to submit comments, rebutting statements, or additional information, consistent with the provisions of section 42.15 of the Federal Acquisition Regulation; and

(C) the rating clearly identifies the responsibilities of joint venture partners for discrete elements of the work where the partners are not jointly and severally responsible for the project.

(3) Processes to request exceptions from the annual evaluation requirement under section 42.1502(a) of the Federal Acquisition Regulation where submission of the annual evaluations would not provide the best representation of the performance of a contractor, including subcontractors and joint venture partners, including—

(A) where no severable element of the work has been completed;

(B) where the contracting officer determines that—

(i) an insubstantial portion of the contract work has been completed in the preceding year; and

(ii) the lack of performance is at nonfault to the contractor; or

(C) where the contracting officer determines that there is an issue in dispute which, until resolved, would likely cause the annual rating to inaccurately reflect the past performance of the contractor.

(b) REPORT ON CONTRACTOR PERFORMANCE APPEALS.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the defense committees a report on contractor and subcontractor past performance evaluations and appeals, including—

(1) data on the number of performance evaluation appeals filed by contractors and subcontractors within the previous five years;

(2) the frequency that an appeal was successful and the performance evaluation was changed favorably for the contractor;

(3) the time it takes for an appeal to make its way through the process from filing to adjudication; and

(4) what impact the appeals process has on the tracking of information in the performance database system and consideration of contractor and subcontractor performance on future contracts.

(c) AGENCY PROGRESS ON PERFORMANCE EVALUATIONS.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall develop a scorecard that compares the timeliness, completeness, and accuracy of contractor performance evaluations among the Department's components. This scorecard shall be reported annually to Congress and made publicly available not later than December 31 for the prior fiscal year until 2024.

(d) CONGRESSIONAL ACCESS TO PERFORMANCE DATA.—

(1) IN GENERAL.—At the written request of a Chairman or Ranking Member of one of the appropriate congressional committees, the Secretary of Defense shall make all contractor performance evaluations available through electronic access to data systems or in another manner specified by the request for designated staff members of the appropriate congressional committees.

(2) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this subsection, the term "appropriate congressional committees" means—

(A) the congressional defense committees;

(B) the Committee on Homeland Security and Governmental Affairs of the Senate; and

(C) the Committee on Oversight and Government Reform of the House of Representatives.

SEC. 817. MODIFICATION OF CRITERIA FOR WAIVERS OF REQUIREMENT FOR CERTIFIED COST AND PRICE DATA.

Section 817(b)(2) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107–314; 10 U.S.C. 2306a note) is amended by striking "; and" and inserting "; or".

SEC. 818. SUBCONTRACTING PRICE AND APPROVED PURCHASING SYSTEMS.

(a) AMENDMENT.—Section 893 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2302 note) is amended—

(1) in subsection (g), by adding at the end the following new paragraph:

"(5) The term 'approved purchasing system' has the meaning given the term in section 44.101 of the Federal Acquisition Regulation (or any similar regulation)."; and

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

"(i) CONSENT TO SUBCONTRACT.—If the contractor on a Department of Defense contract requiring a contracting officer's written consent prior to the contractor entering

into a subcontract has an approved purchasing system, the contracting officer may not withhold such consent without the written approval of the program manager.''.

(b) CONFORMING REGULATIONS.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall revise the Defense Federal Acquisition Regulation Supplement to conform with the amendments to section 893 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2302 note) made by this section.

SEC. 819. COMPTROLLER GENERAL OF THE UNITED STATES REPORT ON PROGRESS PAYMENT FINANCING OF DEPARTMENT OF DEFENSE CONTRACTS.

(a) REPORT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the congressional defense committees a report on the results of an analysis, conducted by the Comptroller General, of the effects of current financing levels of Department of Defense contracts on contractors of the Department and the budgets of the Department.

(b) ELEMENTS.—

(1) IN GENERAL.—The report required by subsection (a) shall include an analysis and assessment

of the impact of the matters specified in paragraph (2), for both government and business, on—

(A) the relationship between financing amounts and contractor profit; and

(B) the willingness of contractors to pursue contracts with the Department.

(2) COVERED MATTERS.—The matters specified in this paragraph are each of the following under Department contracts:

(A) Past changes to progress payment rates and conditions.

(B) Progress payment rates and limitations on progressing for undefinitized contract actions.

SEC. 820. AUTHORIZATION TO LIMIT FOREIGN ACCESS TO TECHNOLOGY THROUGH CONTRACTS.

The Under Secretary of Defense for Research and Engineering, or a designee of the Under Secretary, may include in the terms of any contract that the Under Secretary enters into a provision that—

(1) limits access by select persons or organizations to technology that is the subject of the contract under terms defined by the Under Secretary, including by limiting such access to specific periods of time; and

(2) if the person or organization violates the requirement described in paragraph (1), the Under Secretary may require the person or organization to forfeit intellectual property rights associated with the contract.

SEC. 821. BRIEFING REQUIREMENT ON SERVICES CONTRACTS.

Not later than 180 days after the date of the enactment of this Act, and every 180 days thereafter until the requirements of section 2329(b) of title 10, United States Code, are met, the Under Secretary of Defense for Acquisition and Sustainment shall brief the congressional defense committees on the progress of Department of Defense efforts to meet the requirements of such section, including relevant information on the methodology and implementation plans for future compliance.

SEC. 822. SENSE OF CONGRESS ON AWARDING OF CONTRACTS TO RESPONSIBLE COMPANIES THAT PRIMARILY EMPLOY AMERICAN WORKERS AND DO NOT ACTIVELY TRANSFER AMERICAN JOBS TO POTENTIAL ADVERSARIES.

It is the sense of Congress that the Department of Defense should award contracts to responsible companies that primarily employ United States workers or are partners

in the national technology and industrial base and do not actively transfer United States jobs to potential adversaries.

Subtitle C—Provisions Relating to Major Defense Acquisition Programs

SEC. 831. PROGRAM COST, FIELDING, AND PERFORMANCE GOALS IN PLANNING MAJOR ACQUISITION PROGRAMS.

Section 2448a of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) by striking "Secretary of Defense" and inserting "designated milestone decision authority for the major defense acquisition program"; and

(B) by striking "the milestone decision authority for the major defense acquisition program approves a program that" and inserting "the program"; and

(2) by striking subsection (b).

SEC. 832. IMPLEMENTATION OF RECOMMENDATIONS OF THE INDEPENDENT STUDY ON CONSIDERATION OF SUSTAINMENT IN WEAPONS SYSTEMS LIFE CYCLE.

(a) IMPLEMENTATION REQUIRED.—Not later than 18 months after the date of the enactment of this Act, the Secretary of Defense shall, except as provided under subsection (b), commence implementation of each recommendation submitted as part of the independent assessment produced under section 844 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2290).

(b) EXCEPTIONS.—

(1) DELAYED IMPLEMENTATION.—The Secretary of Defense may commence implementation of a recommendation described under subsection (a) later than the date required under such subsection if the Secretary provides the congressional defense committees with a specific justification for the delay in implementation of such recommendation.

(2) NONIMPLEMENTATION.—The Secretary of Defense may opt not to implement a recommendation described under subsection (a) if the Secretary provides to the congressional defense committees—

(A) the reasons for the decision not to implement the recommendation; and

(B) a summary of the alternative actions the Secretary plans to take to address the purposes underlying the recommendation.

(c) IMPLEMENTATION PLANS.—For each recommendation that the Secretary is implementing, or that the Secretary plans to implement, the Secretary shall submit to the congressional defense committees—

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

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

SEC. 833. PILOT PROGRAM TO ACCELERATE MAJOR WEAPONS SYSTEM PROGRAMS.

(a) IN GENERAL.—The Secretary of Defense shall establish a pilot program to reform and accelerate the contracting and pricing processes associated with contracts in excess of $50,000,000 by—

(1) basing price reasonableness determinations on actual cost and pricing data for purchases of the same or similar products for the Department of Defense; and

(2) reducing the cost and pricing data to be submitted in accordance with section 2306a of title 10, United States Code.

(b) SUNSET.—The authority to carry out the pilot program under this section shall expire on January 2, 2021.

Subtitle D—Provisions Relating to Acquisition Workforce

SEC. 841. PERMANENT AUTHORITY FOR DEMONSTRATION PROJECTS RELATING TO ACQUISITION PERSONNEL MANAGEMENT POLICIES AND PROCEDURES.

(a) PERMANENT AUTHORITY.—Section 1762 of title 10, United States Code, is amended by striking subsections (g) and (h).

(b) SCOPE OF AUTHORITY.—Subsection (a) of such section is amended by striking "COMMENCEMENT.—" and all that follows through "a demonstration project," and inserting "IN GENERAL.—The Secretary of Defense may carry out demonstration projects".

SEC. 842. ESTABLISHMENT OF INTEGRATED REVIEW TEAM ON DEFENSE ACQUISITION INDUSTRY-GOVERNMENT EXCHANGE.

(a) STUDY.—

(1) IN GENERAL.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall direct the Defense Business Board to convene an integrated review team (in this section referred to as the "exchange team") to undertake a

study on facilitating the exchange of defense industry personnel on term assignments within the Department of Defense.

(2) MEMBER PARTICIPATION.—

(A) DEFENSE BUSINESS BOARD.—The Chairman of the Defense Business Board shall select six members from the membership of the Board to participate on the exchange team, including one member to lead the team.

(B) DEFENSE INNOVATION BOARD.—The Chairman of the Defense Innovation Board shall select five appropriate members from the membership of their Board to participate on the exchange team.

(C) DEFENSE SCIENCE BOARD.—The Chairman of the Defense Science Board shall select five appropriate members from the membership of their Board to participate on the exchange team.

(D) REQUIRED EXPERIENCE.—The Chairmen referred to in subparagraphs (a) through (C) shall ensure that members have significant legislative or regulatory expertise and reflect diverse experiences in the public and private sector.

(3) SCOPE.—The study conducted pursuant to paragraph (1) shall—

(A) review legal, ethical, and financial disclosure requirements for industry-government exchanges;

(B) review existing or previous industry-government exchange programs such as the Department of State's Franklin Fellows Program and the Information Technology Exchange Program;

(C) review how the military departments address legal, ethical, and financial requirements for members of the reserve components who also maintain civilian employment in the defense industry;

(D) produce specific and detailed recommendations for any legislation, including the amendment or repeal of regulations, as well as non-legislative approaches, that the members of the exchange team conducting the study determine necessary to—

(i) reduce barriers to industry-government exchange to encourage the flow of acquisition best practices;

(ii) ensure continuing financial and ethical integrity; and

(iii) protect the best interests of the Department of Defense; and

(E) produce such additional recommendations for legislation as the members consider appropriate.

(4) ACCESS TO INFORMATION.—The Secretary of Defense shall provide the exchange team with timely access to appropriate information, data, resources, and analysis so that the exchange team may conduct a thorough and independent analysis as required under this subsection.

(b) BRIEFING.—Not later than December 31, 2018, the exchange team shall provide an interim briefing to the congressional defense committees on the study conducted under subsection (a)

(c) FINAL REPORT.—Not later than March 1, 2019, the exchange team shall submit a final report on the study to the Under Secretary of Defense for Acquisition and Sustainment and the congressional defense committees.

SEC. 843. EXCHANGE PROGRAM FOR ACQUISITION WORKFORCE EMPLOYEES.

(a) PROGRAM AUTHORIZED.—The Secretary of Defense shall establish an exchange program under which the

Under Secretary of Defense for Acquisition and Sustainment shall arrange for the temporary assignment of civilian personnel in the Department of Defense acquisition workforce.

(b) PURPOSES.—The purposes of the exchange program established pursuant to subsection (a) are—

(1) to familiarize personnel from the acquisition workforce with the equities, priorities, processes, culture, and workforce of the acquisition-related defense agencies;

(2) to enable participants in the exchange program to return the expertise gained through their exchanges to their original organizations; and

(3) to improve communication between and integration of the organizations that support the policy, implementation, and oversight of defense acquisition through lasting relationships.

(c) PARTICIPANTS.—

(1) NUMBER OF PARTICIPANTS.—The Under Secretary shall select not less than 10 and no more than 20 participants per year for participation in the exchange program established under subsection (a).

(2) CRITERIA FOR SELECTION.—The Under Secretary shall select participants for the exchange pro-

gram established under subsection (a) from among mid-career employees and based on—

(A) the qualifications and desire to participate in the program of the employee; and

(B) the technical needs and capacities of the acquisition workforce, as applicable.

(d) TERMS.—Exchanges pursuant to the exchange program established under subsection (a) shall be for terms of one to two years, as determined and negotiated by the Under Secretary. The terms may begin and end on a rolling basis.

(e) GUIDANCE AND IMPLEMENTATION.—

(1) GUIDANCE.—Not later than 90 days after the date of the enactment of this Act, the Under Secretary shall develop and submit to the congressional defense committees interim guidance on the form and contours of the exchange program established under subsection (a).

(2) IMPLEMENTATION.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary shall implement the guidance developed under paragraph (1).

Subtitle E—Provisions Relating to Commercial Items

SEC. 851. REPORT ON COMMERCIAL ITEM PROCUREMENT REFORM.

(a) REPORT REQUIRED.—Not later than March 1, 2020, the Assistant Secretary of Defense for Acquisition, in consultation with members of the Defense Business Board as appropriate, shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on reforms for commercial item procurement.

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

(1) A review of recommendations by the independent panel created under section 809 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 112 Public Law 889) pertaining to commercial items.

(2) A review of commercial item provisions from the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92), the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328), the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), and other relevant legislation.

(3) An analysis of the extent to which the Department of Defense should treat commercial service contracts and commercial products in a similar manner.

(4) Such other matters with respect to commercial item procurement as the Assistant Secretary considers appropriate.

Subtitle F—Industrial Base Matters

SEC. 861. NATIONAL TECHNOLOGY AND INDUSTRIAL BASE APPLICATION PROCESS.

(a) IN GENERAL.—Subchapter II of chapter 148 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 2509. National technology and industrial base application process

"(a) IN GENERAL.—The Secretary of Defense shall administer a national technology and industrial base application process.

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

"(1) The Secretary shall designate an official within the Office of the Secretary of Defense responsible for administration of the national technology and industrial base application process and associated policy.

"(2) A person or organization that meets the definition of national technology and industrial base under section 2500(1) of this title shall have the opportunity to apply for an item to be covered under the national technology and industrial base. The application shall include, at a minimum, the following information:

"(A) Information demonstrating the applicant meets such definition.

"(B) The section or sections of this chapter, related to the national technology and industrial base, that the applicant seeks to modify.

"(C) The applicant's proposed modifications to the section or sections identified under subparagraph (B).

"(D) For each item the applicant seeks to include in the national technology and industrial base, the applicant shall include the following information:

"(i) The extent to which such item has commercial applications.

"(ii) The number of such items to be procured by current programs of record.

"(iii) The criticality of such item to a military unit's mission accomplishment.

"(iv) The estimated cost and other considerations of reconstituting the manufacturing capability of such item, if not maintained in the national technology and industrial base.

"(v) National security regulations or restrictions imposed on such item that may not be imposed on a non-national technology and industrial base competitor.

"(vi) Non-national security-related Federal, State, and local government regulations imposed on such item that may not be imposed on a non-national technology and industrial base competitor.

"(vii) The extent to which such item is fielded in current programs of record.

"(viii) The extent to which cost and pricing data for such item has been deemed fair and reasonable.

"(c) CONSIDERATION OF APPLICATIONS.—

"(1) RESPONSIBILITY OF DESIGNATED OFFICIAL.—The official designated pursuant to subsection (b)(1) shall be responsible for providing complete applications submitted pursuant to this subsection to the appropriate component acquisition executive for con-

sideration not later than 15 days after receipt of such application.

"(2) REVIEW.—Not later than 60 days after receiving a complete application, the component acquisition executive shall review such application, make a determination, and return the application to the official designated pursuant to subsection (b)(1).

"(3) ELEMENTS OF DETERMINATION.—The determination required under paragraph (2) shall—

"(A) recommend the modification to this chapter proposed pursuant to subsection (b)(2)(C);

"(B) recommend the modification to this chapter proposed pursuant to subsection (b)(2)(C) with further modifications; or

"(C) not recommend the modification to this chapter proposed pursuant to subsection (b)(2)(C).

"(4) JUSTIFICATION.—The determination required under paragraph (2) shall also include the rationale and justification for the determination.

"(d) RECOMMENDATIONS FOR LEGISLATION.—For applications recommended under subsection (c), the official designated pursuant to subsection (b)(1) shall be responsible

for preparing a legislative proposal for consideration by the Secretary.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such subchapter is amended by adding at the end the following new item:

"2509. National technology and industrial base application process.".

(c) EFFECTIVE DATE.—Section 2509 of title 10, United States Code, as added by subsection (a), shall take effect 60 days after the date of the enactment of this Act.

SEC. 862. REPORT ON DEFENSE ELECTRONICS INDUSTRIAL BASE.

(a) IN GENERAL.—Not later than January 31, 2019, the Secretary of Defense, in consultation with the Executive Agent for Printed Circuit Board and Interconnect Technology and the Director of the Office of Management and Budget, shall submit to Congress a report examining the health of the defense electronics industrial base, including analog and passive electronic parts, substrates, printed boards, assemblies, connectors, cabling, and related areas, both domestically and within the national technology and industrial base.

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

(1) An examination of current and planned partnerships with the commercial industry.

(2) Analysis of the current and future defense electronics industrial base.

(3) Threat assessment related to system security.

(4) An assessment of the health of the engineering and production workforce.

(5) A description of the electronics supply chain requirements of defense systems integral to meeting the goals of the 2018 National Defense Strategy.

(6) Recommended actions to address areas deemed deficient or vulnerable, and a plan to formalize long-term resourcing for the Executive Agent.

(7) Any other areas matters determined relevant by the Secretary.

SEC. 863. SUPPORT FOR DEFENSE MANUFACTURING COMMUNITIES TO SUPPORT THE DEFENSE INDUSTRIAL BASE.

(a) PROGRAM AUTHORIZED.—

(1) IN GENERAL.—The Secretary of Defense may, in coordination with the Secretary of Commerce and working in coordination with the defense manufacturing institutes, establish within the Department of Defense a program to make long-term investments in critical skills, infrastructure, research and development, and small business support in order to strengthen the national security innovation base by

designating and supporting consortiums as defense manufacturing communities.

(2) DESIGNATION.—The program authorized by this section shall be known as the "Defense Manufacturing Community Support Program" (in this section referred to as the "Program").

(b) DESIGNATION OF DEFENSE MANUFACTURING COMMUNITIES COMPLEMENTARY TO DEFENSE MANUFACTURING INSTITUTES.—

(1) IN GENERAL.—The Secretary of Defense may designate eligible consortiums as defense manufacturing communities through a competitive process, and in coordination with the defense manufacturing institutes.

(2) ELIGIBLE CONSORTIUMS.—The Secretary may establish eligibility criteria for a consortium to participate in the Program. In developing such criteria, the Secretary may consider the merits of—

(A) including members from academia, defense industry, commercial industry, and State and local government organizations;

(B) supporting efforts in geographical regions that have capabilities in key technologies or industrial base supply chains that are determined critical to national security;

(C) optimal consortium composition and size to promote effectiveness, collaboration, and efficiency; and

(D) complementarity with defense manufacturing institutes.

(3) DURATION.—Each designation under paragraph (1) shall be for a period designated by the Secretary.

(4) RENEWAL.—

(A) IN GENERAL.—The Secretary may renew a designation made under paragraph (1) for up to two additional two-year periods. Any designation as a defense manufacturing community or renewal of such designation that is in effect before the date of the enactment of this Act shall count toward the limit set forth in this subparagraph.

(B) EVALUATION FOR RENEWAL.—The Secretary shall establish criteria for the renewal of a consortium. In establishing such criteria, the Secretary may consider—

(i) the performance of the consortium in meeting the established goals of the Program;

(ii) the progress the consortium has made with respect to project-specific metrics, particularly with respect to those metrics that were designed to help communities track their own progress;

(iii) whether any changes to the composition of the eligible consortium or revisions of the plan for the consortium would improve the capabilities of the defense industrial base;

(iv) the effectiveness of coordination with defense manufacturing institutes; and

(v) such other criteria as the Secretary considers appropriate.

(5) APPLICATION FOR DESIGNATION.—An eligible consortium seeking a designation under paragraph (1) shall submit an application to the Secretary at such time and in such manner as the Secretary may require. In developing such procedures, the Secretary may consider the inclusion of—

(A) a description of the regional boundaries of the consortium, and the defense manufacturing capacity of the region;

(B) an evidence-based plan for enhancing the defense industrial base through the efforts of the consortium;

(C) the investments the consortium proposes and the strategy of the consortium to address gaps in the defense industrial base;

(D) a description of the outcome-based metrics, benchmarks, and milestones that will track and the evaluation methods that will be used to gauge performance of the consortium;

(E) how the initiatives will complement defense manufacturing institutes; and

(F) such other matters as the Secretary considers appropriate.

(c) FINANCIAL AND TECHNICAL ASSISTANCE.—

(1) IN GENERAL.—Under the Program, the Secretary of Defense may award financial or technical assistance to a member of a consortium designated as a defense manufacturing community under the Program as appropriate for purposes of the Program.

(2) USE OF FUNDS.—A recipient of financial or technical assistance under the Program may use such financial or technical assistance to support an investment that will improve the defense industrial base.

(3) INVESTMENTS SUPPORTED.—Investments supported under this subsection may include activities not already provided for by defense manufacturing institutes on—

(A) infrastructure;

(B) access to capital;

(C) promotion of exports and foreign direct investment;

(D) equipment or facility upgrades;

(E) workforce training, retraining, or recruitment and retention, including that of women and underrepresented minorities;

(F) energy or process efficiency;

(G) business incubators;

(H) site preparation;

(I) advanced research and commercialization, including with Federal laboratories and depots;

(J) supply chain development; and

(K) small business assistance.

(d) RECEIPT OF TRANSFERRED FUNDS.—The Secretary of Defense may accept amounts transferred to the Secretary from the head of another agency or a State or local governmental organization to carry out this section.

Subtitle G—Other Transactions

SEC. 871. CHANGE TO NOTIFICATION REQUIREMENT FOR OTHER TRANSACTIONS.

Section 2371b(f)(1) of title 10, United States Code, is amended by inserting after the first sentence the following: "The cost of any such option shall be considered for purposes of subsection (a)(2) as part of the cost to the Department of Defense of a transaction (for a prototype).".

SEC. 872. DATA AND POLICY ON THE USE OF OTHER TRANSACTIONS.

(a) COLLECTION AND STORAGE.—The Service Acquisition Executives of the military departments shall collect data on the use of other transactions by their respective departments, 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 by the Department of Defense of other transactions, including use by the Defense Agencies. The data shall be stored in a manner that allows the Assistant Secretary of Defense for Acquisition access at any time.

(b) USE OF DATA.—The Assistant Secretary of Defense for Acquisition shall analyze and leverage the data collected under subsection (a) to update policy and guidance related to the use of other transactions.

Subtitle H—Development and Acquisition of Software Intensive and Digital Products and Services

SEC. 881. CLARIFICATIONS REGARDING PROPRIETARY AND TECHNICAL DATA.

(a) VALIDATION OF PROPRIETARY DATA RESTRICTIONS.—Section 2321(f) of title 10, United States Code, is amended—

(1) by striking "(1) Except as provided in paragraph (2), in" and inserting "In"; and

(2) by striking paragraph (2).

(b) RIGHTS IN TECHNICAL DATA.—Section 2320 of title 10, United States Code, is amended—

(1) by striking subsection (f); and

(2) by redesignating subsections (g) and (h) as subsections (f) and (g), respectively.

SEC. 882. IMPLEMENTATION OF RECOMMENDATIONS OF THE FINAL REPORT OF THE DEFENSE SCIENCE BOARD TASK FORCE ON THE DESIGN AND ACQUISITION OF SOFTWARE FOR DEFENSE SYSTEMS.

(a) IMPLEMENTATION REQUIRED.—Not later than 18 months after the date of the enactment of this Act, the Secretary of Defense shall, except as provided under subsection

(b), commence implementation of each recommendation submitted as part of the final report of the Defense Science Board Task Force on the Design and Acquisition of Software for Defense Systems.

(b) EXCEPTIONS.—

(1) DELAYED IMPLEMENTATION.—The Secretary of Defense may commence implementation of a recommendation described under subsection (a) later than the date required under such subsection if the Secretary provides the congressional defense committees with a specific justification for the delay in implementation of such recommendation.

(2) NONIMPLEMENTATION.—The Secretary of Defense may opt not to implement a recommendation described under subsection (a) if the Secretary provides to the congressional defense committees—

(A) the reasons for the decision not to implement the recommendation; and

(B) a summary of the alternative actions the Secretary plans to take to address the purposes underlying the recommendation.

(c) IMPLEMENTATION PLANS.—For each recommendation that the Secretary is implementing, or that the Secretary plans to implement, the Secretary shall submit to the congressional defense committees—

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

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

SEC. 883. IMPLEMENTATION OF PILOT PROGRAM TO USE AGILE OR ITERATIVE DEVELOPMENT METHODS REQUIRED UNDER SECTION 873 OF THE NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2018.

(a) IN GENERAL.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall include the following systems for realignment under the pilot program to use agile or iterative development methods pursuant to section 873 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91):

(1) Global Positioning System Next Generation Operational Control System (GPS OCX).

(2) Integrated Air and Missile Defense Battle Command System (IBCS).

(3) Command Control Battle Management and Communications (C2BMC).

(4) The family of Distributed Common Ground Systems.

(5) The family of Global Command and Control Systems.

(6) Joint Space Operations Center Mission Systems (JMS).

(7) Joint Strike Fighter Autonomic Logistics Information System (ALIS).

(8) Electronic Procurement System (ePS).

(9) Air Force Integrated Personnel and Pay System (AFIPPS).

(10) Navy Personnel and Pay (NP2).

(11) Integrated Personnel and Pay-Army (IPPS–A).

(12) Maintenance, Repair, and Overhaul (MROI).

(13) Defense Enterprise Accounting Management System (DEAMS).

(14) Army Contract Writing System.

(15) Contracting IT System.

(16) Defense-wide Electronic Procurement Capabilities.

(b) REVISIONS TO LIST.—The Secretary of Defense shall notify the congressional defense committees of any revisions to the list of systems included for realignment under subsection (a).

SEC. 884. ENABLING AND OTHER ACTIVITIES OF THE CLOUD EXECUTIVE STEERING GROUP.

(a) ACTIVITIES REQUIRED.—Commencing not later than 90 days after the date of the enactment of this Act, the Cloud Executive Steering Group (CESG) established by the Deputy Secretary of Defense in a directive memorandum dated September 13, 2017, in order to support its Joint Enterprise Defense Infrastructure (JEDI) initiative to procure commercial cloud services, shall conduct certain key enabling activities as follows:

(1) ADVANCED COMMERCIAL NETWORK CAPABILITIES.—Develop an approach to rapidly acquire advanced commercial network capabilities, including software-defined networking, on-demand bandwidth, and aggregated cloud access gateways, through commercial service providers in order—

(A) to support the migration of applications and systems to commercial cloud platforms;

(B) to increase visibility of end-to-end performance to enable and enforce service level agreements for cloud services;

(C) to ensure efficient and common cloud access;

(D) to facilitate shifting data and applications from one cloud platform to another;

(E) to improve cybersecurity; and

(F) to consolidate networks and achieve efficiencies and improved performance;

(2) WORKLOAD AND MIGRATION ANALYSIS.—Conduct an analysis of existing workloads that would be migrated to the Joint Enterprise Defense Infrastructure, including—

(A) identifying all of the cloud initiatives across the Department of Defense, and determining the objectives of such initiatives in connection with the intended scope of the Infrastructure;

(B) identifying all the systems and applications that the Department would intend to migrate to the Infrastructure;

(C) conducting rationalization of applications to identify applications and systems that may duplicate the processing of workloads in connection with the Infrastructure; and

(D) as result of such actions, arriving at dispositions about migration or termination of systems and applications in connection with the Infrastructure.

(b) LIMITATION ON NEW SYSTEMS AND APPLICATIONS.—The Deputy Secretary shall require that no new system or application will be approved for development or

modernization without an assessment that such system or application is already, or can and would be, cloud-hosted.

(c) INTEGRATION AND SUPPORT.—The Deputy Secretary shall ensure that the activities conducted under subsection (a) are integrated with and support the plan of the Department to acquire and migrate to commercial cloud services.

(d) TRANSPARENCY AND COMPETITION.—The Deputy Secretary shall ensure that the acquisition approach of the Department continues to follow the Federal Acquisition Regulation, including part 16.504(c) of such regulation, regarding procedures relating to the preference for multiple awards.

Subtitle I—Other Matters

SEC. 891. PROHIBITION ON CERTAIN TELECOMMUNICATIONS SERVICES OR EQUIPMENT.

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

(1) In its 2011 "Annual Report to Congress on Military and Security Developments Involving the People's Republic of China", the Department of Defense stated, "China's defense industry has benefited from integration with a rapidly expanding civilian economy and science and technology sector, particularly elements that have access to foreign technology. Progress within individual defense sectors appears

linked to the relative integration of each, through China's civilian economy, into the global production and R&D chain . . . Information technology companies in particular, including Huawei, Datang, and Zhongxing, maintain close ties to the PLA.".

(2) In a 2011 report titled "The National Security Implications of Investments and Products from the People's Republic of China in the Telecommunications Sector", the United States China Commission stated that "[n]ational security concerns have accompanied the dramatic growth of China's telecom sector. . . . Additionally, large Chinese companies—particularly those 'national champions' prominent in China's 'going out' strategy of overseas expansion—are directly subject to direction by the Chinese Communist Party, to include support for PRC state policies and goals.".

(3) The Commission further stated in its report that "[f]rom this point of view, the clear economic benefits of foreign investment in the U.S. must be weighed against the potential security concerns related to infrastructure components coming under the control of foreign entities. This seems particularly applicable in the telecommunications industry, as Chinese companies continue systematically to acquire

significant holdings in prominent global and U.S. telecommunications and information technology companies.".

(4) In its 2011 Annual Report to Congress, the United States China Commission stated that "[t]he extent of the state's control of the Chinese economy is difficult to quantify . . . There is also a category of companies that, though claiming to be private, are subject to state influence. Such companies are often in new markets with no established SOE leaders and enjoy favorable government policies that support their development while posing obstacles to foreign competition. Examples include Chinese telecoms giant Huawei and such automotive companies as battery maker BYD and vehicle manufacturers Geely and Chery.".

(5) General Michael Hayden, who served as Director of the Central Intelligence Agency and Director of the National Security Agency, stated in July 2013 that Huawei had "shared with the Chinese state intimate and extensive knowledge of foreign telecommunications systems it is involved with".

(6) The Federal Bureau of Investigation, in a February 2015 Counterintelligence Strategy Partnership Intelligence Note stated that, "[w]ith the ex-

panded use of Huawei Technologies Inc. equipment and services in U.S. telecommunications service provider networks, the Chinese Government's potential access to U.S. business communications is dramatically increasing. Chinese Government-supported telecommunications equipment on U.S. networks may be exploited through Chinese cyber activity, with China's intelligence services operating as an advanced persistent threat to U.S. networks.".

(7) The FBI further stated in its February 2015 counterintelligence note that "China makes no secret that its cyber warfare strategy is predicated on controlling global communications network infrastructure".

(8) At a hearing before the Committee on Armed Services of the House of Representatives on September 30, 2015, Deputy Secretary of Defense Robert Work, responding to a question about the use of Huawei telecommunications equipment, stated, "In the Office of the Secretary of Defense, absolutely not. And I know of no other—I don't believe we operate in the Pentagon, any [Huawei] systems in the Pentagon.".

(9) At that hearing, the Commander of the United States Cyber Command, Admiral Mike Rogers, responding to a question about why such Huawei

telecommunications equipment is not used, stated, "As we look at supply chain and we look at potential vulnerabilities within the system, that it is a risk we felt was unacceptable.".

(10) In March 2017, ZTE Corporation pled guilty to conspiring to violate the International Emergency Economic Powers Act by illegally shipping U.S.-origin items to Iran, paying the United States Government a penalty of $892,360,064 for activity between January 2010 and January 2016.

(11) The Department of the Treasury's Office of Foreign Assets Control issued a subpoena to Huawei as part of a Federal investigation of alleged violations of trade restrictions on Cuba, Iran, Sudan, and Syria.

(12) In the bipartisan "Investigative Report on the United States National Security Issues Posed by Chinese Telecommunication Companies Huawei and ZTE" released in 2012 by the Permanent Select Committee on Intelligence of the House of Representatives, it was recommended that "U.S. government systems, particularly sensitive systems, should not include Huawei or ZTE equipment, including in component parts. Similarly, government contractors—particularly those working on contracts for sensitive U.S.

programs—should exclude ZTE or Huawei equipment in their systems.".

(b) PROHIBITION ON USE OR PROCUREMENT.—The Secretary of Defense may not—

(1) procure or obtain or extend or renew a contract to procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system; or

(2) enter into a contract (or extend or renew a contract) with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

(c) EFFECTIVE DATES.—The prohibition under subsection (b)(1) shall take effect 180 days after the date of the enactment of this Act and the prohibition under subsection (b)(2) shall take effect three years after the date of the enactment of this Act.

(d) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to—

(1) prohibit the Secretary of Defense from procuring with an entity to provide a service that con-

nects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) cover telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles

(e) DEFINITIONS.—In this section:

(1) COVERED FOREIGN COUNTRY.—The term "covered foreign country" means the People's Republic of China.

(2) COVERED TELECOMMUNICATIONS EQUIPMENT OR SERVICES.—The term "covered telecommunications equipment or services" means any of the following:

(A) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

(B) Telecommunications services provided by such entities or using such equipment.

(C) Telecommunications equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Di-

rector of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

SEC. 892. LIMITATION ON USE OF FUNDS PENDING SUBMITTAL OF REPORT ON ARMY MARKETING AND ADVERTISING PROGRAM.

(a) REPORT REQUIRED.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Army shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on the recommendations contained in the audit of the Army Audit Agency of the Army's Marketing and Advertising Program concerning contract oversight and return on investment.

(2) ELEMENTS.—The report required by paragraph (1) shall address each of the following:

(A) The mitigation and oversight measures implemented to assure improved program return and contract management, including the establishment of specific goals to measure long-term effects of investments in marketing efforts.

(B) The establishment of a review process to regularly evaluate the effectiveness and efficiency

of marketing efforts, including efforts to better support the accessions missions of the Army.

(C) The increase of acquisition and marketing experience within the Army Marketing and Research Group (in this section referred to as the "AMRG").

(D) A workforce analysis of AMRG in cooperation with the Office of Personnel Management and industry experts assessing the AMRG organizational structure, staffing, and training, including an assessment of the workplace climate and culture internal to the AMRG.

(E) The establishment of an Army Marketing and Advisory Board comprised of senior Army and marketing and advertising leaders and an assessment of industry and service marketing and advertising best practices, including a plan to incorporate relevant practices.

(F) The status of the implementation of contracting practices recommended by the Army Audit Agency's audit of contracting oversight of AMRG contained in Audit Report A–2018–0033–MTH.

(b) LIMITATION ON USE OF FUNDS.—Not more than 50 percent of the amounts authorized to be appropriated

by this Act or otherwise made available for the AMRG for fiscal year 2019 for advertising and marketing activities may be obligated or expended until the Secretary of the Army submits the report required under subsection (a).

(c) COMPTROLLER GENERAL REVIEW.—Not later than 90 days after the date of the submittal of the report required under subsection (a), the Comptroller General of the United States shall conduct a review of the results and implementation of the recommendations of the Army Audit Agency Audits of the AMRG on contract oversight and return on investment. The review shall include an assessment of the effects of the implementation of the recommendations on the AMRG leadership, workforce, and business practices, and return on investment.

SEC. 893. PERMANENT SBIR AND STTR AUTHORITY FOR THE DEPARTMENT OF DEFENSE.

Section 9 of the Small Business Act (15 U.S.C. 638) is amended—

(1) in subsection (m), by inserting ", except with respect to the Department of Defense" after "September 30, 2022"; and

(2) in subsection (n)(1)(A)—

(A) by inserting "(or, with respect to the Department of Defense, any fiscal year)" after "2022"; and

(B) by inserting "(or, with respect to the Department of Defense, for any fiscal year)" after "for that fiscal year".

SEC. 894. PROCUREMENT OF TELECOMMUNICATIONS SUPPLIES FOR EXPERIMENTAL PURPOSES.

Section 2373 of title 10, United States Code, is amended by inserting "telecommunications," after "space flight,".

SEC. 895. ACCESS BY DEVELOPMENTAL AND OPERATIONAL TESTING ACTIVITIES TO DATA REGARDING MODELING AND SIMULATION ACTIVITY.

(a) IN GENERAL.—Section 139(e) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(4) The Director shall have prompt access to all data regarding modeling and simulation activity proposed to be used by military departments and defense agencies in support of operational or live fire test and evaluation of military capabilities. This access shall include data associated with verification, validation, and accreditation activities.".

(b) ADDITIONAL TESTING DATA.—Developmental Test and Evaluation activities under the leadership of the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Acquisition and Sustainment shall have prompt access to all data regarding modeling and simulation activity proposed to be used by

military departments and defense agencies in support of developmental test and evaluation of military capabilities. This access shall include data associated with verification, validation, and accreditation activities.

TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

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

SEC. 901. POWERS AND DUTIES OF THE UNDER SECRETARY OF DEFENSE FOR RESEARCH AND ENGINEERING IN CONNECTION WITH PRIORITY EMERGING TECHNOLOGIES.

(a) IN GENERAL.—In carrying out duties under section 133a of title 10, United States Code, in connection with the National Defense Strategy of the Department of Defense of 2018, the Under Secretary of Defense for Research and Engineering shall have the authority to direct the Secretaries of the military departments, and the heads of all other elements of the Department of Defense with regard to matters for which the Under Secretary has responsibility, with respect to programs, projects, and activities in connection with technology areas given priority, including technology areas as follows:

(1) Directed energy.

(2) Hypersonics.

(3) Artificial intelligence.

(4) Future space satellite architectures.

(b) DIRECTION OF SECRETARY OF DEFENSE.—

(1) IN GENERAL.—The Under Secretary shall carry out any powers and duties under this section under the authority, direction, and control of the Secretary.

(2) CONSTRUCTION OF AUTHORITY.—Nothing in this section may be construed as altering or revising the authority, direction, and control of the Under Secretary by the Secretary of Defense and the Deputy Secretary of Defense.

(c) SATELLITE ARCHITECTURES.—

(1) NO DIRECTIONAL AUTHORITY FOR SPACE LAUNCH VEHICLES.—The authority in subsection (a) with respect to future space satellite architectures does not include the following:

(A) Authority for space launch vehicles.

(B) Authority for direction of the Evolved Expendable Launch Vehicle program, including any program, project, or activity relating to the Next Generation Launch System.

(2) FINAL DECISIONAL AUTHORITY ON ARCHITECTURES.—The Deputy Secretary of Defense shall

have final decisional authority over any decision on future space satellite architecture under the authority in subsection (a). The Deputy Secretary shall exercise such final decisional authority in consultation with the Secretaries of the military departments.

(d) COORDINATION.—In executing powers and duties under this section, the Under Secretary shall consult with appropriate officials of the military departments and the Defense Agencies in order to maximize support of effective and efficient execution of the National Defense Strategy referred to in subsection (a).

(e) EXPIRATION.—The authority of the Under Secretary under this section shall expire on the date that is one year after the date of the enactment of this Act.

SEC. 902. REDESIGNATION AND MODIFICATION OF RESPONSIBILITIES OF UNDER SECRETARY OF DEFENSE FOR PERSONNEL AND READINESS.

(a) REDESIGNATION AND RESPONSIBILITIES AS UNDER SECRETARY OF DEFENSE FOR PERSONNEL.—

(1) IN GENERAL.—Section 136 of title 10, United States Code, is amended—

(A) by striking "and Readiness" each place it appears; and

(B) by striking subsection (d).

(2) HEADING AMENDMENT.—The heading of such section is amended to read as follows:

"§ 136. Under Secretary of Defense for Personnel".

(b) DESIGNATION AS CHIEF HUMAN CAPITAL OFFICER.—Such section is further amended—

(1) by inserting "(1)" after "(b)"; and

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

"(2) The Under Secretary is the Chief Human Capital Officer of the Department of Defense for purposes of chapter 14 of title 5.".

(c) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 4 of such title is amended by striking the item relating to section 136 and inserting the following new item:

"136. Under Secretary of Defense for Personnel.".

(d) OTHER CONFORMING AMENDMENTS.—

(1) TITLE 10, UNITED STATES CODE.—Title 10, United States Code, is further amended as follows:

(A) In section 131(b)(3), by striking subparagraph (E) and inserting the following new subparagraph (E):

"(D) The Undersecretary of Defense for Personnel.".

(B) In section 137(c), by striking "and Readiness".

(2) EXECUTIVE SCHEDULE LEVEL III.—Section 5314 of title 5, United States Code, is amended by striking the item relating to the Under Secretary of Defense for Personnel and Readiness and inserting the following new item:

"Under Secretary of Defense for Personnel.".

(e) REFERENCES.—Any reference to the Under Secretary of Defense for Personnel and Readiness in any law, regulation, map, document, record, or other paper of the United States shall be deemed to be a reference to the Under Secretary of Defense for Personnel.

SEC. 903. MODIFICATION OF RESPONSIBILITIES OF THE UNDER SECRETARY OF DEFENSE FOR POLICY.

(a) IN GENERAL.—Paragraph (2) of section 134(b) of title 10, United States Code, is amended to read as follows:

"(2) The Under Secretary shall assist the Secretary of Defense in the following:

"(A) Preparing the National Defense Strategy, as required by section 113 of this title.

"(B) Preparing policy guidance for the preparation of campaign and contingency plans by the commanders of the combatant commands, and in reviewing such plans.

"(C) Preparing policy guidance for the development of the global force posture.

"(D) Preparing policy guidance to direct the formulation of program and budget requests by the military departments and other elements of the Department of Defense, and reviewing such requests in the annual planning, programming, and budget process.

"(E) Developing planning scenarios that describe the present and future strategic and operational environments by which to assess joint force capabilities and readiness.

"(F) Developing specific outcomes that the joint force should be ready to achieve and conducting assessments of the readiness of the joint force to achieve such outcomes.

"(G) Devising specific criteria to direct reviews by the Director of Cost Assessment and Program Evaluation of the implementation of the capability and readiness priorities of the Secretary.".

(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall take effect on February 1, 2019.

SEC. 904. REPORT ON ALLOCATION OF FORMER RESPONSIBILITIES OF THE UNDER SECRETARY OF DEFENSE FOR ACQUISITION, TECHNOLOGY, AND LOGISTICS.

Not later than March 1, 2019, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth the following:

(1) A list of each provision of law, whether within or outside title 10, United States Code, in force as of the date of the report that, as of that date, assigns a duty, responsibility, or other requirement to the Under Secretary of Defense for Acquisition, Technology, and Logistics.

(2) For each duty, responsibility, or other requirement specified in a provision of law listed pursuant to paragraph (1), the allocation of such duty, responsibility, or requirement within the Department of Defense, including—

(A) solely to the Under Secretary of Defense for Research and Engineering;

(B) solely to the Under Secretary of Defense for Acquisition and Sustainment;

(C) on a shared basis between the Under Secretary of Defense for Research and Engineer-

ing and the Under Secretary of Defense for Acquisition and Sustainment;

(D) solely to another official or organization of the Department;

(E) on a shared basis between other officials and organizations of the Department; or

(F) not allocated.

SEC. 905. ASSISTANT SECRETARY OF DEFENSE FOR STRATEGY, PLANS, ASSESSMENTS, READINESS, AND CAPABILITIES.

(a) IN GENERAL.—Section 138(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 is the Assistant Secretary of Defense for Strategy, Plans, Assessments, Readiness and Capabilities.

"(B) The principal duty of the Assistant Secretary shall be to support the Secretary of Defense in developing the National Defense Strategy (as required by section 113 of this title) and related policy guidance for the campaign and contingency plans, force development and defense posture priorities, and readiness objectives required to execute the Strategy.

"(C) Subject to the authority, direction, and control of the Secretary and the Under Secretary of Defense for Pol-

icy, the Assistant Secretary shall be responsible for the following:

"(i) In matters relating to strategy and force planning, the following:

"(I) Supporting the Secretary and the Under Secretary in preparing the National Defense Strategy.

"(II) Producing policy guidance to direct the formulation of program and budget requests by the military departments and other elements of the Department, including the Defense Planning Guidance as required by section 113 of this title, and review such program and budget requests.

"(III) Proposing alternative force sizes and structures, joint capabilities and concepts, and roles and missions for the armed forces to inform the development of annual program and budget requests.

"(ii) In matters relating to plans and force posture, the following:

"(I) Supporting the Secretary and the Under Secretary in producing policy guidance to inform the development of campaign and contingency plans by the commanders of the combatant

commands, including the Contingency Planning Guidance for Employment of the Force and the Global Defense Posture Report as required by section 113 of this title, and reviewing such plans.

"(II) Advising the Secretary and the Under Secretary on alternative concepts for the employment and posture of the joint force to align with the National Defense Strategy and other approved policy guidance of the Secretary.

"(iii) In matters relating to assessments, the following:

"(I) Developing planning scenarios that describe the present and future strategic and operational environments by which to assess joint force capabilities and readiness.

"(II) Producing detailed assessments at the strategic, campaign, and mission levels (including through war games) to evaluate the present and future capability and readiness of the armed forces to conduct joint military campaigns or competitions that are prioritized in approved policy guidance of the Secretary.

"(III) Devising specific criteria to direct reviews by the Director of Cost Assessment and

Program Evaluation of the implementation of the capability and readiness priorities established in approved policy guidance of the Secretary.

"(iv) In matters relating to readiness, the following:

"(I) Describing the strategic, campaign, and mission outcomes that the joint force should be ready to achieve and by which joint force readiness will be assessed, in accordance with approved strategic guidance of the Secretary.

"(II) Conducting assessments of the readiness of the joint force to perform the missions prioritized in the National Defense Strategy and other approved policy guidance of the Secretary, including through the observation of military training and exercises.

"(v) In matters relating to strategic capabilities, developing and supervising policy, program planning and execution, and allocation and use of resources for any strategic capabilities designated by the Under Secretary.".

(b) EFFECTIVE DATE.—The amendment made by this section shall take effect on February 1, 2019.

SEC. 906. CLARIFICATION OF RESPONSIBILITIES AND DUTIES OF THE CHIEF INFORMATION OFFICER OF THE DEPARTMENT OF DEFENSE.

Section 142(b)(1) of title 10, United States Code, is amended—

(1) in subparagraph (A), by inserting "(other than with respect to business systems and management)" after "sections 3506(a)(2)";

(2) in subparagraph (B), by striking "section 11315 of title 40" and inserting "sections 11315 and 11319 of title 40 (other than with respect to business systems and management)"; and

(3) in subparagraph (C), by striking "sections 2222, 2223(a), and 2224 of this title" and inserting "sections 2223(a) (other than with respect to business systems and management) and 2224 of this title".

SEC. 907. SPECIFICATION OF CERTAIN DUTIES OF THE DEFENSE TECHNICAL INFORMATION CENTER.

(a) IN GENERAL.—In addition to any other duties specified for the Defense Technical Information Center by law, regulation, or Department of Defense directive or instruction, the duties of the Center shall include the following:

(1) To execute the Global Research Watch Program under section 2365 of title 10, United States Code.

(2) To develop and maintain datasets and other data repositories on research and engineering activities being conducted within the Department.

(b) ACTION PLAN.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a plan of action for the commencement by the Defense Technical Information Center of the duties specified in subsection (a).

SEC. 908. LIMITATION ON TERMINATION OF, AND TRANSFER OF FUNCTIONS, RESPONSIBILITIES, AND ACTIVITIES OF, THE STRATEGIC CAPABILITIES OFFICE.

(a) LIMITATION.—The Secretary of Defense may not terminate the Strategic Capabilities Office or transfer the functions or responsibilities of such office to another entity or organization until the Secretary—

(1) certifies to the congressional defense committees that the key functions, responsibilities, and activities of the office will be replicated and managed elsewhere after such office has been terminated or its functions, responsibilities, or activities have been transferred;

(2) submits to the congressional defense committees—

(A) a plan to replicate and manage such functions, responsibilities, and activities elsewhere; and

(B) if the Secretary decides that the Strategic Capabilities Office, or subsequent entity, should report to an official other than the Under Secretary for Research and Engineering, a justification for such decision.

(b) KEY FUNCTIONS.—The key functions of the office referred to in subsection (a)(1) are the following:

(1) Repurposing existing Government and commercial systems for new technological advantage.

(2) Developing novel concepts of operation that are lower cost, more effective, and more responsive to changing threats than traditional concepts of operation.

(3) Developing joint systems and concepts of operations to meet emerging threats and military requirements based on partnerships with the military services and combatant commanders.

(4) Developing prototypes and new concepts of operations that can inform the development of requirements and the establishment of acquisition programs.

(5) Such other functions as the Secretary considers appropriate.

SEC. 909. TECHNICAL CORRECTIONS TO DEPARTMENT OF DEFENSE TEST RESOURCE MANAGEMENT CENTER AUTHORITY.

Section 196 of title 10, United States Code, is amended in subsections (c)(1)(B) and (g) by striking "Under Secretary of Defense for Acquisition, Technology, and Logistics" and inserting "Under Secretary of Defense for Research and Engineering".

Subtitle B—Organization and Management of Other Department of Defense Offices and Elements

SEC. 921. MODIFICATION OF CERTAIN RESPONSIBILITIES OF THE CHAIRMAN OF THE JOINT CHIEFS OF STAFF RELATING TO JOINT FORCE CONCEPT DEVELOPMENT.

Subparagraph (D) of section 153(a)(6) of title 10, United States Code, is amended to read as follows:

"(D) formulating policies for development and experimentation on both urgent and long-term concepts for the joint employment of the armed forces, including establishment of a process within the Joint Staff for—

"(i) analyzing and prioritizing gaps in capabilities that could potentially be addressed by joint concept development using existing or modified joint force capabilities; and

"(ii) ensuring that such joint concepts are tested, assessed and, if appropriate, fielded to support the joint force;".

SEC. 922. ASSISTANT SECRETARY OF DEFENSE FOR SPECIAL OPERATIONS AND LOW-INTENSITY CONFLICT REVIEW OF UNITED STATES SPECIAL OPERATIONS COMMAND.

(a) REVIEW REQUIRED.—The Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict shall, in coordination with the Commander of the United States Special Operations Command, conduct a comprehensive review of the United States Special Operations Command for purposes of ensuring that the institutional and operational capabilities of special operations forces are appropriate to counter anticipated future threats across the spectrum of conflict.

(b) SCOPE OF REVIEW.—The review required by subsection (a) shall include, at a minimum, the following:

(1) An assessment of the adequacy of special operations forces doctrine, organization, training, mate-

riel, education, personnel, and facilities to implement the 2018 National Defense Strategy, and recommendations, if any, for modifications for that purpose.

(2) An assessment of the roles and responsibilities of special operations forces as assigned by law, Department of Defense guidance, or other formal designation and recommendations, if any, for additions to or divestitures of such roles or responsibilities.

(3) An assessment of the adequacy of the processes through which the United States Special Operations Command evaluates and prioritizes the requirements at the geographic combatant commands for special operations forces and special operations-unique capabilities and makes recommendations on the allocation of special operations forces and special operations-unique capabilities to meet such requirements, and recommendations, if any, for modifications of such processes.

(4) Any other matters the Assistant Secretary considers appropriate.

(c) DEADLINES.—

(1) COMPLETION OF REVIEW.—The review required by subsection (a) shall be completed by not

later than 270 days after the date of the enactment of this Act.

(2) REPORT.—Not later than 30 days after completion of the review, the Assistant Secretary shall submit to the congressional defense committees a report on the review, including the findings and any recommendations of the Assistant Secretary as a result of the review.

SEC. 923. QUALIFICATIONS FOR APPOINTMENT AS DEPUTY CHIEF MANAGEMENT OFFICER OF A MILITARY DEPARTMENT.

(a) DEPARTMENT OF THE ARMY.—An individual may not be appointed as Deputy Chief Management Officer of the Department of the Army unless the individual—

(1) has significant experience in business operations or management in the public sector; or

(2) has significant experience managing an enterprise in the private sector.

(b) DEPARTMENT OF THE NAVY.—An individual may not be appointed as Deputy Chief Management Officer of the Department of the Navy unless the individual—

(1) has significant experience in business operations or management in the public sector; or

(2) has significant experience managing an enterprise in the private sector.

(c) DEPARTMENT OF THE AIR FORCE.—An individual may not be appointed as Deputy Chief Management Officer of the Department of the Air Force unless the individual—

(1) has significant experience in business operations or management in the public sector; or

(2) has significant experience managing an enterprise in the private sector.

SEC. 924. EXPANSION OF PRINCIPAL DUTIES OF ASSISTANT SECRETARY OF THE NAVY FOR RESEARCH, DEVELOPMENT, AND ACQUISITION.

Section 5016(b)(4)(A) of title 10, United States Code, is amended by striking "and acquisition matters" and inserting "acquisition, and sustainment (including maintenance) matters".

SEC. 925. CROSS-FUNCTIONAL TEAMS IN THE DEPARTMENT OF DEFENSE.

(a) ESTABLISHMENT OF CERTAIN TEAMS.—

(1) IN GENERAL.—Among the cross-functional teams established by the Secretary of Defense pursuant to subsection (c) of section 911 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2345; 10 U.S.C. 111 note) in support of the organizational strategy for the Department of Defense required by subsection (a) of that

section, the Secretary shall establish a cross-functional team on each matter as follows:

(A) Electronic warfare.

(B) Personnel security.

(C) Close combat lethality.

(2) ESTABLISHMENT AND ACTIVITIES.—Each cross-functional team established pursuant to paragraph (1) shall be established in accordance with subsection (c) of section 911 of the National Defense Authorization Act for Fiscal Year 2017, and shall be governed in its activities in accordance with the provisions of such subsection (c).

(3) DEADLINE FOR ESTABLISHMENT.—The cross-functional teams required by paragraph (1) shall be established by not later than 90 days after the date of the enactment of this Act.

(b) ADDITIONAL CROSS-FUNCTIONAL TEAMS MATTERS.—

(1) CRITERIA FOR DISTINGUISHING AMONG CROSS-FUNCTIONAL TEAMS.—Not later than 60 days after the date of the enactment of this Act, the Secretary shall issue criteria that distinguish cross-functional teams under section 911 of the National Defense Authorization Act for Fiscal Year 2017 from other types of cross-functional working groups, com-

mittees, integrated product teams, and task forces of the Department.

(2) PRIMARY RESPONSIBILITY FOR IMPLEMENTATION OF TEAMS.—The Deputy Secretary of Defense shall establish or designate an office within the Department that shall have primary responsibility for implementing section 911 of the National Defense Authorization Act for Fiscal Year 2017.

SEC. 926. DEADLINE FOR COMPLETION OF FULL IMPLEMENTATION OF REQUIREMENTS IN CONNECTION WITH ORGANIZATION OF THE DEPARTMENT OF DEFENSE FOR MANAGEMENT OF SPECIAL OPERATIONS FORCES AND SPECIAL OPERATIONS.

The Secretary of Defense shall ensure that the implementation of section 922 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2354) and the amendments made by that section is fully complete by not later than 90 days after the date of the enactment of this Act.

Subtitle C—Organization and Management of the Department of Defense Generally

SEC. 931. LIMITATION ON AVAILABILITY OF FUNDS FOR MAJOR HEADQUARTERS ACTIVITIES OF THE DEPARTMENT OF DEFENSE.

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

"§ 118. Major headquarters activities: limitation on funds available

"(a) OVERALL LIMITATION.—In any fiscal year after fiscal year 2020, the aggregate amount that may be obligated and expended on major headquarters activities may not exceed an amount equal to 1.6 percent of the average amount authorized to be appropriated for the Department of Defense (including for overseas contingency operations) over the 10 fiscal years ending with the preceding fiscal year.

"(b) LIMITATIONS ON AVAILABILITY FOR PARTICULAR ACTIVITIES.—Within the amount available for a fiscal year pursuant to subsection (a), amounts shall be available as follows:

"(1) For the Office of the Secretary of Defense, not more than an amount equal to 0.4 percent of the

average amount authorized to be appropriated for the Department of Defense (including for overseas contingency operations) over the 10 fiscal years ending with the preceding fiscal year.

"(2) For the major headquarters activities of a military department, not more than an amount equal to 1 percent of the average amount authorized to be appropriated for the Department of Defense (including for overseas contingency operations) for such military department over the 10 fiscal years ending with the preceding fiscal year.

"(c) DISTRIBUTION OF REMAINING FUNDS.—Any funds available in a fiscal year for major headquarters activities under subsection (a) after the operation of subsection (b) in connection with such fiscal year may be distributed for availability by the Secretary of Defense among any major headquarters activities other than the Office of the Secretary of Defense.

"(d) DEFINITIONS.—In this section:

"(1) The term 'major headquarters activities' has the meaning given the term 'major Department of Defense headquarters activities' in section 346(b)(3) of the National Defense Authorization Act for Fiscal Year 2016 (10 U.S.C. 111 note).

"(2) The term 'major headquarters activities of a military department' means the following:

"(A) In the case of the Army, the Office of the Secretary of the Army and the Army Staff.

"(B) In the case of the Navy, the Office of the Secretary of the Navy, the Office of the Chief of Naval Operations, and Headquarters, Marine Corps.

"(C) In the case of the Air Force, the Office of the Secretary of the Air Force and the Air Staff.

"(3) The term 'Office of the Secretary of Defense' includes the Joint Staff.".

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

"118. Major headquarters activities: limitation on funds available.".

SEC. 932. RESPONSIBILITY FOR POLICY ON CIVILIAN CASUALTY MATTERS.

(a) DESIGNATION OF SENIOR CIVILIAN OFFICIAL.—Not later than 90 days after the date of the enactment of this Act, the Under Secretary of Defense for Policy shall designate a senior civilian official of the Department of Defense at or above the level of Assistant Secretary of Defense to develop, coordinate, and oversee compliance with the pol-

icy of the Department relating to civilian casualties resulting from United States military operations.

(b) RESPONSIBILITIES.—The senior civilian official designated under subsection (a) shall ensure that the policy referred to in that subsection provides for—

(1) uniform processes and standards across the combatant commands for accurately recording kinetic strikes by the United States military;

(2) the development and dissemination of best practices for reducing the likelihood of civilian casualties from United States military operations;

(3) the development of a publicly available Internet portal for the submittal of allegations of civilian casualties resulting from United States military operations;

(4) uniform processes and standards across the combatant commands for reviewing and investigating allegations of civilian casualties resulting from United States military operations, including the consideration of relevant information from all available sources;

(5) uniform processes and standards across the combatant commands for—

(A) acknowledging the responsibility of the United States military for civilian casualties re-

sulting from United States military operations; and

(B) offering ex gratia payments to civilians who have been injured, or to the families of civilians killed, as a result of United States military operations, as determined to be necessary by the designated senior civilian official;

(6) regular engagement with relevant intergovernmental and nongovernmental organizations; and

(7) public affairs guidance with respect to matters relating to civilian casualties alleged or confirmed to have resulted from United States military operations; and

(8) such other matters with respect to civilian casualties resulting from United States military operations as the designated senior civilian official considers appropriate.

(c) REPORT.—Not later than 180 days after the date of the enactment of this Act, the senior civilian official designated under subsection (a) shall submit to the congressional defense committees a report that describes—

(1) the policy developed by the senior civilian official under that subsection; and

(2) the efforts of the Department to implement such policy.

SEC. 933. ADDITIONAL MATTERS IN CONNECTION WITH BACKGROUND AND SECURITY INVESTIGATIONS FOR DEPARTMENT OF DEFENSE PERSONNEL.

(a) ADDITIONAL MATTER FOR ANNUAL REPORTS.—Subsection (k)(3) of section 925 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended—

(1) by redesignating subparagraphs (H) through (L) as subparagraphs (I) through (M), respectively; and

(2) by inserting after subparagraph (G) the following new subparagraph (H):

"(H) The number of denials or revocations of a security clearance by each authorized adjudicative agency that occurred separately from a periodic reinvestigation.".

(b) SENSE OF CONGRESS.—Such section is further amended—

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

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

"(l) SENSE OF CONGRESS.—It is the sense of Congress that—

"(1) personnel security investigations, and continuous evaluation, form an integral part of the security posture of the Department of Defense; and

"(2) to the extent practicable, the Department should coordinate with the security executive agent to ensure that the results of adjudication decisions, either within initial investigations or reinvestigations, are communicated in a transparent manner to ensure public trust in the adjudication process.".

SEC. 934. PROGRAM OF EXPEDITED SECURITY CLEARANCES FOR MISSION-CRITICAL POSITIONS.

(a) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Security Executive Agent shall establish a program for the expedited processing of security clearances for mission-critical positions, fulfilled by either Government or contract employees. Under such program, the Security Executive Agent shall complete the processing of applications for security clearances—

(1) at the secret level in 15 or fewer days; and

(2) at the top secret level in 45 days or fewer.

(b) SECURITY EXECUTIVE AGENT.—In this section, the term "Security Executive Agent" means the Director of National Intelligence acting as the Security Executive Agent in accordance with Executive Order 13467 (73 Fed. Reg. 38103; 50 U.S.C. 3161 note).

SEC. 935. INFORMATION SHARING PROGRAM FOR POSITIONS OF TRUST.

(a) PROGRAM REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Security Executive Agent shall establish a program to share between and among Federal Government agencies and industry partners of the Federal Government information regarding individuals applying for and in positions of trust, including derogatory and suitability information.

(b) PRIVACY SAFEGUARDS.—The Security Executive Agent shall ensure that the program required by subsection (a) includes such safeguards for privacy as the Security Executive Agent considers appropriate.

(c) PROVISION OF INFORMATION TO THE PRIVATE SECTOR.—The Security Executive Agent shall ensure that under the program required by subsection (a) sufficient information is provided to the private sector so that employers in the private sector can make informed decisions about hiring and retention in positions of trust, while safeguarding personnel privacy.

(d) IMPLEMENTATION PLAN.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Security Executive Agent shall submit to Congress a plan for the implementation of the program required by subsection (a).

(2) CONTENTS.—The plan required by paragraph (1) shall include the following:

(A) Matters that address privacy, security, and human resources processes.

(B) Such recommendations as the Security Executive Agent may have for legislative or administrative action to carry out or improve the program.

(e) SECURITY EXECUTIVE AGENT.—In this section, the term "Security Executive Agent" means the Director of National Intelligence acting as the Security Executive Agent in accordance with Executive Order 13467 (73 Fed. Reg. 38103; 50 U.S.C. 3161 note).

SEC. 936. REPORT ON CLEARANCE IN PERSON CONCEPT.

(a) REPORT REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Security Executive Agent shall submit to congressional defense and intelligence committees a report on the requirements, feasibility, and advisability of implementing a clearance in person concept as described in subsection (b) for maintaining access to classified information.

(b) CLEARANCE IN PERSON CONCEPT.—

(1) IN GENERAL.—Implementation of a clearance in person concept as described in this subsection would permit an individual who has been granted a

national security clearance to maintain eligibility for access to classified information, networks, and facilities after the individual has separated from service to the Federal Government or transferred to a position that no longer requires access to classified information.

(2) RECOGNITION AS CURRENT.—The concept described in paragraph (1) would also ensure that, unless otherwise directed by the Security Executive Agent, the individual's security clearance would be recognized as current, regardless of employment status, with no further need for investigation or revalidation until the individual obtains a position requiring access to classified information.

(c) CONTENTS.—The report required by subsection (a) shall address the following:

(1) Requirements for continuous vetting.

(2) Appropriate safeguards for privacy.

(3) An appropriate funding model.

(4) Fairness to small business concerns and independent contractors.

(d) SECURITY EXECUTIVE AGENT.—In this section, the term "Security Executive Agent" means the Director of National Intelligence acting as the Security Executive Agent

in accordance with Executive Order 13467 (73 Fed. Reg. 38103; 50 U.S.C. 3161 note).

SEC. 937. STRATEGIC DEFENSE FELLOWS PROGRAM.

(a) FELLOWSHIP PROGRAM.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall establish within the Department of Defense a civilian fellowship program designed to provide leadership development and the commencement of a career track toward senior leadership in the Department.

(2) DESIGNATION.—The fellowship program shall be known as the "Strategic Defense Fellows Program" (in this section referred to as the "fellows program").

(b) ELIGIBILITY.—An individual is eligible for participation in the fellows program if the individual—

(1) is a citizen of the United States or a lawful permanent resident of the United States in the year in which the individual applies for participation in the fellows program; and

(2) either—

(A) possesses a graduate degree from an accredited institution of higher education in the United States that was awarded not later than

two years before the date of the acceptance of the individual into the fellows program; or

(B) will be awarded a graduate degree from an accredited institution of higher education in the United States not later than six months after the date of the acceptance of the individual into the fellows program.

(c) APPLICATION.—

(1) 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.

(2) ELEMENTS.—Each application of an individual under this subsection shall include the following:

(A) Transcripts of educational achievement at the undergraduate and graduate level.

(B) A resume.

(C) Proof of citizenship or lawful permanent residence.

(D) An endorsement from the applicant's graduate institution of higher education.

(E) An academic writing sample.

(F) Letters of recommendation addressing the applicant's character, academic ability, and any extracurricular activities.

(G) A personal statement by the applicant explaining career areas of interest and motivations for service in the Department.

(H) Such other information as the Secretary considers appropriate.

(d) SELECTION.—

(1) IN GENERAL.—Each year, the Secretary shall select participants in the fellows program from among applicants for the fellows program for such year who qualify for participation in the fellows program based on character, commitment to public service, academic achievement, extracurricular activities, and such other qualifications for participation in the fellows program as the Secretary considers appropriate.

(2) NUMBER.—The number of individuals selected to participate in the fellows program in any year may not exceed the numbers as follows:

(A) Ten individuals from each geographic region of the United States as follows:

(i) The Northeast.

(ii) The Southeast.

(iii) The Midwest.

(iv) The Southwest.

(v) The West.

(B) Ten additional individuals.

(3) BACKGROUND INVESTIGATION.—An individual selected to participate in the fellows program may not participate in the program unless the individual successfully undergoes a background investigation applicable to the position to which the individual will be assigned under the fellows program and otherwise meets such requirements applicable to assignment to a sensitive position within the Department that the Secretary considers appropriate.

(e) ASSIGNMENT.—

(1) IN GENERAL.—Each individual who participates in the fellows program shall be assigned to a position in the Office of the Secretary of Defense.

(2) POSITION REQUIREMENTS.—Each Under Secretary of Defense and each Director of a Defense Agency who reports directly to the Secretary shall submit to the Secretary each year the qualifications and skills to be demonstrated by participants in the fellows program to qualify for assignment under this subsection for service in a position of the office of such Under Secretary or Director.

(3) ASSIGNMENT TO POSITIONS.—The Secretary shall each year assign participants in the fellows program to positions in the offices of the Under Secretaries and Directors described in paragraph (2). In making such assignments, the Secretary shall seek to best match the qualifications and skills of participants in the fellows program with the requirements of positions available for assignment. Each participant so assigned shall serve as a special assistant to the Under Secretary or Director to whom assigned.

(4) TERM.—The term of each assignment under the fellows program shall be one year.

(5) 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, including for purposes of eligibility for health care benefits and retirement benefits available to employees of the United States.

(6) EDUCATION LOAN REPAYMENT.—To the extent that funds are provided in advance in appropriations Acts, the Secretary may repay any loan of a participant in the fellows program if the loan is described by subparagraph (A), (B), or (C) of section

16301(a)(1) of title 10, United States Code. Any repayment of loans under this paragraph shall be on a first-come, first-served basis.

(f) CAREER DEVELOPMENT.—

(1) IN GENERAL.—The Secretary shall ensure that participants in the fellows program—

(A) receive opportunities and support appropriate for the commencement of a career track within the Department leading toward a future position of senior leadership within the Department, including ongoing mentorship support through appropriate personnel from entities within the Department such as the Defense Business Board and the Defense Innovation Board; and

(B) are provided appropriate opportunities for employment and advancement within the Department upon successful completion of the fellows program.

(2) RESERVATION OF POSITIONS.—In carrying out paragraph (1)(B), the Secretary shall reserve for participants who successfully complete the fellows program not fewer than 30 positions in the excepted service within the Department that are suitable for the commencement of a career track toward senior leader-

ship within the Department. Any position so reserved shall not be subject to or covered by any reduction in headquarters personnel required under any other provision of law.

(3) NONCOMPETITIVE APPOINTMENT.—Upon the successful completion of the assignment of a participant in the fellows program in a position pursuant to subsection (e), the Secretary may, without regard to the provisions of subchapter I of chapter 33 of title 5, United States Code, appoint the participant to a position reserved pursuant to paragraph (2) if the Secretary determines that such appointment will contribute to the development of highly qualified future senior leaders for the Department.

(4) PUBLICATION OF SELECTION.—The Secretary shall publish on an Internet website of the Department available to the public the names of the individuals selected to participate in the fellows program.

(g) OUTREACH.—The Secretary shall undertake appropriate outreach to inform potential participants in the fellows program of the nature and benefits of participation in the fellows program.

(h) REGULATIONS.—The Secretary shall carry out this section in accordance with such regulations as the Secretary may prescribe for purposes of this section.

(i) FUNDING.—Of the amounts authorized to be appropriated for each fiscal year for the Department of Defense for operation and maintenance, Defense-wide, $10,000,000 may be available to carry out the fellows program in such fiscal year.

Subtitle D—Other Matters

SEC. 941. ANALYSIS OF DEPARTMENT OF DEFENSE BUSINESS MANAGEMENT AND OPERATIONS DATASETS TO PROMOTE SAVINGS AND EFFICIENCIES.

(a) IN GENERAL.—The Chief Management Officer of the Department of Defense shall develop a policy on analysis of Department of Defense datasets on business management and business operations by the public for purposes of accessing data analysis capabilities that would promote savings and efficiencies and otherwise enhance the utility of such datasets to the Department.

(b) INITIAL DISCHARGE OF POLICY.—

(1) IN GENERAL.—The Chief Management Officer shall commence the discharge of the policy required pursuant to subsection (a) by—

(A) identifying one or more matters—

(i) that are of significance to the Department of Defense;

(ii) that are currently unresolved; and

(iii) whose resolution from a business management or business operations dataset of the Department could benefit from a method or technique of analysis not currently familiar to the Department;

(B) identifying between three and five business management or business operations datasets of the Department not currently available to the public whose evaluation could result in novel data analysis solutions toward management or operations problems of the Department identified by the Chief Management Officer; and

(C) encouraging, whether by competition or other mechanisms, the evaluation of the datasets described in subparagraph (B) by appropriate persons and entities in the public or private sector (including academia).

(2) PROTECTION OF SECURITY AND CONFIDENTIALITY.—In providing for the evaluation of datasets pursuant to this subsection, the Chief Management Officer shall take appropriate actions to protect the security and confidentiality of any information contained in the dataset, including through special precautions to ensure that any personally identifiable in-

formation is not included and no release of information will adversely affect national security missions.

SEC. 942. RESEARCH AND DEVELOPMENT TO ADVANCE CAPABILITIES OF THE DEPARTMENT OF DEFENSE IN DATA INTEGRATION AND ADVANCED ANALYTICS IN CONNECTION WITH PERSONNEL SECURITY.

(a) PLAN REQUIRED.—The Under Secretary of Defense for Intelligence shall develop a plan on research and development activities to advance the capabilities of the Department of Defense in data integration and advanced analytics in connection with personnel security activities of the Department. The plan shall, to the extent practicable, provide for the leveraging of the capabilities of other government entities, institutions of higher education, and private sector entities with advanced, leading-edge expertise in data integration and analytics applicable to the challenges faced by the Department in connection with personnel security.

(b) COORDINATION.—Any activities under the plan may be carried out in coordination with the Defense Digital Service and the Defense Innovation Board.

(c) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary shall provide to the appropriate committees of Congress a briefing on the plan.

(d) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

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

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

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 $4,500,000,000.

(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.

(c) EFFECT ON AUTHORIZATION AMOUNTS.—A transfer made from one account to another under the authority of this section shall be deemed to increase the amount authorized for the account to which the amount is transferred by an amount equal to the amount transferred.

(d) NOTICE TO CONGRESS.—The Secretary shall promptly notify Congress of each transfer made under subsection (a).

SEC. 1002. INCLUSION OF FUNDS FOR AIR FORCE PASS-THROUGH ITEMS IN DEFENSE-WIDE BUDGET FOR THE DEPARTMENT OF DEFENSE.

(a) IN GENERAL.—In any budget of the President submitted to Congress pursuant to section 1105(a) of title 31, United States Code, for a fiscal year after fiscal year 2019, any funds for an Air Force pass-through item shall be requested in the Defense-wide budget of the Department of Defense rather than the budget of the Air Force.

(b) AIR FORCE PASS-THROUGH ITEM DEFINED.—In this section, the term "Air Force pass-through item" means a program, project, or activity for which—

(1) funds would otherwise be requested for the Air Force; and

(2) funds made available for execution will be executed by another department, agency, or element of the Department of Defense.

SEC. 1003. REPORT ON SHIFT IN REQUESTS FOR FUNDS FOR DEPARTMENT OF DEFENSE ACTIVITIES FROM FUNDS FOR OVERSEAS CONTINGENCY OPERATIONS TO FUNDS THROUGH THE BASE BUDGET.

(a) REPORT REQUIRED.—Not later than 14 days after the submittal to Congress of the budget of the President for fiscal year 2020 pursuant to section 1105 of title 31, United States Code, the Under Secretary of Defense (Comptroller)

shall submit to the congressional defense committees a report on any shift during fiscal year 2020 from requests for funds for Department of Defense activities for overseas contingency operations to requests for funds for such activities for the Department generally (commonly referred to as the "base budget").

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

(1) A description of the assumptions used by the Department of Defense and the Armed Forces in determining the programs, projects, and activities for which funds were requested for fiscal year 2019 for overseas contingency operations for which funds are requested for fiscal year 2020 for the Department generally, including any changes to the criteria for overseas contingency operations funding requests issued in 2010 and used by the Office of Management and Budget in identifying the programs, projects, and activities for which funds are so requested for fiscal year 2020.

(2) The programs, projects, and activities of the Department for which funds were requested for fiscal year 2019 for overseas contingency operations that are requested in the budget for fiscal year 2020 to be funded for the Department generally, and the amount

for such programs, projects, and activities, set forth at the level of detail as follows:

(A) For procurement, by line item.

(B) For research, development, test, and evaluation, by program element (PE) number.

(C) For operation and maintenance, by sub-activity group (SAG).

(D) For military personnel, by sub-activity group.

(E) For revolving and management funds, by sub-activity group.

(F) For military construction, by project.

SEC. 1004. RANKING OF AUDITABILITY OF FINANCIAL STATEMENTS OF THE ORGANIZATIONS AND ELEMENTS OF THE DEPARTMENT OF DEFENSE.

(a) REPORT ON RANKING.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall, in coordination with the Under Secretary of Defense (Comptroller), submit to the congressional defense committees a report setting forth a ranking of the auditability of the financial statements of the departments, agencies, organizations, and elements of the Department of Defense according to the progress made toward achieving auditability as required by law.

(b) CRITERIA FOR RANKING.—The criteria to be used for ranking for purposes of the report under this section shall be—

(1) the criteria developed by the Under Secretary pursuant to section 1104 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) for a similar report under that section;

(2) other criteria developed by the Under Secretary for purposes of the report under this section; or

(3) a combination of the criteria described in paragraphs (1) and (2).

(c) CONSTRUCTION.—The report required by this section is in addition to the report required by section 1104 of the National Defense Authorization Act for Fiscal Year 2018.

SEC. 1005. TRANSPARENCY OF ACCOUNTING FIRMS USED TO SUPPORT DEPARTMENT OF DEFENSE AUDIT.

The Secretary of Defense shall require any accounting firm under contract or under consideration for a contract or for the renewal of an existing contract with the Department of Defense in support of the audit required under section 3521 of title 31, United States Code, to provide a statement setting forth the details of any disciplinary pro-

ceedings with respect to the accounting firm or its associated persons before any entity with the authority to enforce compliance with rules or laws applying to audit services offered by accounting firms.

Subtitle B—Naval Vessels and Shipyards

SEC. 1011. DATE OF LISTING OF VESSELS AS BATTLE FORCE SHIPS IN THE NAVAL VESSEL REGISTER AND OTHER FLEET INVENTORY MEASURES.

(a) IN GENERAL.—Section 7301 of title 10, United States Code, is amended—

(1) by redesignating subsection (c) as subsection (d); and

(2) by inserting after subsection (b) the following new subsection (c):

"(c) LISTING AS BATTLE FORCE SHIP IN NAVAL VESSEL REGISTER.—A covered vessel may not be listed in the Naval Vessel Register or other fleet inventory measures as a battle force ship until the delivery date specified in subsection (a).".

(b) DEFINITIONS.—Such section is further amended by striking subsection (d), as redesignated by subsection (a)(1) of this section, and inserting the following new subsection:

"(d) DEFINITIONS.—In this section:

"(1) The term 'covered vessel' means any vessel of the Navy that is under construction or constructed using amounts authorized to be appropriated for the Department of Defense for shipbuilding and conversion, Navy.

"(2) The term 'battle force ship' means the following:

"(A) A commissioned United States Ship warship capable of contributing to combat operations.

"(B) A United States Naval Ship that contributes directly to Navy warfighting or support missions.".

SEC. 1012. ANNUAL REPORTS ON EXAMINATION OF NAVY VESSELS.

Section 7304 of title 10, United States Code, is amended by adding at the end the following new subsection:

"(d) ANNUAL REPORT.—

"(1) IN GENERAL.—Not later than March 1 each year, the board designated under subsection (a) shall submit to the congressional defense committees a report setting forth the following:

"(A) An overall narrative summary of the material readiness of Navy ships as compared to established material requirements standards.

"(B) The overall number and types of vessels inspected during the preceding fiscal year.

"(C) For in-service vessels, material readiness trends by inspected functional area as compared to the previous five years.

"(2) FORM.—Each report under this subsection shall be submitted in an unclassified form that is releasable to the public without further redaction.

"(3) TERMINATION.—No report shall be required under this subsection after October 1, 2021.".

SEC. 1013. LIMITATION ON DURATION OF HOMEPORTING OF CERTAIN VESSELS IN FOREIGN LOCATIONS.

(a) LIMITATION.—

(1) IN GENERAL.—Chapter 633 of title 10, United States Code, is amended by inserting after section 7310 the following new section:

"§ 7310a. Homeporting of certain vessels in overseas locations: limitation on duration

"(a) IN GENERAL.—A vessel specified in subsection (b) that is listed in the Naval Vessel Register may not be homeported in a location other than in the United States or Guam for a period of more than 10 consecutive years.

"(b) SPECIFIED VESSELS.—The vessels specified in this subsection are the following:

"(1) Aircraft carrier.

"(2) Amphibious ship.

"(3) Cruiser.

"(4) Destroyer.

"(5) Frigate.

"(c) WAIVER.—

"(1) IN GENERAL.—The Chief of Naval Operations may waive the applicability of subsection (a) to a ship.

"(2) EFFECTIVENESS CONTINGENT ON REPORT.—A waiver under paragraph (1) with respect to a ship shall go into effect on the date on which the Chief of Naval Operations submits to the congressional defense committees a report on the waiver setting forth the following:

"(A) The ship covered by the waiver.

"(B) The duration of the waiver for such ship

"(C) The justification of the Chief of Naval Operations for the waiver.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 633 of such title is amended by inserting after the item relating to section 7310 the following new item:

"7310a. Homeporting of certain vessels in overseas locations: limitation on duration.".

(b) EFFECTIVE DATE.—The amendments made by this section shall take effect on October 1, 2020, and shall apply with respect to the homeporting of vessels after that date, regardless of whether the continuous period of homeporting concerned commenced before that date.

SEC. 1014. SPECIFIC AUTHORIZATION REQUIREMENT FOR NUCLEAR REFUELING OF AIRCRAFT CARRIERS.

(a) IN GENERAL.—Chapter 633 of title 10, United States Code, is amended by inserting after section 7314 the following new section:

"§ 7314a. Nuclear refueling of aircraft carriers: specific authorization required

"Funds may not be obligated or expended for the procurement of a naval nuclear reactor power unit or associated reactor components for the nuclear refueling of an aircraft carrier unless such refueling is specifically authorized, by ship name and hull number, by statute.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 633 of such title is amended by inserting after the item relating to section 7314 the following new item:

"7314a. Nuclear refueling of aircraft carriers: specific authorization required.".

SEC. 1015. DISMANTLEMENT AND DISPOSAL OF NUCLEAR-POWERED AIRCRAFT CARRIERS.

(a) IN GENERAL.—Chapter 633 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 7320. Nuclear-powered aircraft carriers: dismantlement and disposal

"(a) IN GENERAL.—Not less than 90 days before the award of a contract for the dismantlement and disposal of a nuclear-powered aircraft carrier, or the provision of funds to a naval shipyard for the dismantlement and disposal of a nuclear-powered aircraft carrier, the Secretary of the Navy shall submit to the congressional defense committees a report setting forth the following:

"(1) A cost and schedule baseline for the dismantlement and disposal approved by the service acquisition executive of the Department of the Navy and the Chief of Naval Operations.

"(2) An independent cost estimate of the dismantlement and disposal prepared by the Office of Cost Analysis and Program Evaluation.

"(3) A description of the regulatory framework applicable to the management of radioactive materials in connection with the dismantlement and disposal, including, in cases in which the Navy intends

to have another government entity serve as the regulatory enforcement authority—

"(A) a certification from that entity of its agreement to serve as the regulatory enforcement authority; and

"(B) a description of the legal basis for the authority of that entity to serve as the regulatory enforcement authority.

"(b) SUPPLEMENTAL INFORMATION WITH BUDGETS.—In the materials submitted to Congress by the Secretary of Defense in support of the budget of the President for a fiscal year (as submitted to Congress under section 1105(a) of title 31), the Secretary of the Navy shall include information on each dismantlement and disposal of a nuclear-powered aircraft carrier occurring or planned to occur during the period of the future-years defense program submitted to Congress with that budget. Such information shall include, by ship concerned, the following:

"(1) A summary of activities and significant developments in connection with such dismantlement and disposal.

"(2) If applicable, a detailed description of cost and schedule performance against the baseline for such dismantlement and disposal established pursuant

to subsection (a), including a description of and explanation for any variance from such baseline.

"(3) A description of the amounts requested, or intended or estimated to be requested, for such dismantlement and disposal for each of the following:

"(A) Each fiscal year covered by the future-years defense program.

"(B) Any fiscal years before the fiscal years covered by the future-years defense program.

"(C) Any fiscal years after the end of the period of the future-years defense program.

"(c) FUTURE-YEARS DEFENSE PROGRAM DEFINED.—In this section, the term 'future-years defense program' means the future-years defense program required by section 221 of this title.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 633 of such title is amended by adding at the end the following new item:

"7320. Nuclear-powered aircraft carriers; dismantlement and disposal.".

SEC. 1016. NATIONAL DEFENSE SEALIFT FUND.

Section 2218(f)(3)(C) of title 10, United States Code, is amended by striking "two foreign constructed ships" and inserting "seven foreign constructed ships during the period beginning with fiscal year 2019 and ending with fiscal year 2030".

SEC. 1017. LIMITATION ON USE OF FUNDS FOR RETIREMENT OF HOSPITAL SHIPS.

(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 2019 for the Navy may be obligated or expended to retire, prepare to retire, transfer, or place in storage any hospital ship.

(b) WAIVER.—The Secretary of the Navy may waive the limitation in subsection (a) with respect to a hospital ship if the Secretary certifies to the congressional defense committees that the Secretary has—

(1) identified a replacement capability, and the necessary quantity of systems, to meet all hospital ship requirements of the combatant commands that are currently being met by such hospital ship;

(2) achieved initial operational capability of all systems described in paragraph (1); and

(3) deployed a sufficient quantity of systems described in paragraph (1) that have achieved initial operational capability in order to continue to meet or exceed all requirements of the combatant commands that are currently being met by such hospital ship.

Subtitle C—Counterterrorism

SEC. 1021. EXTENSION OF PROHIBITION ON USE OF FUNDS FOR TRANSFER OR RELEASE OF INDIVIDUALS DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA, TO THE UNITED STATES.

Section 1033 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by striking "December 31, 2018" and inserting "December 31, 2019".

SEC. 1022. EXTENSION OF PROHIBITION ON USE OF FUNDS TO CONSTRUCT OR MODIFY FACILITIES IN THE UNITED STATES TO HOUSE DETAINEES TRANSFERRED FROM UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA.

Section 1034(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by striking "December 31, 2018" and inserting "December 31, 2019".

SEC. 1023. EXTENSION OF PROHIBITION ON USE OF FUNDS FOR TRANSFER OR RELEASE OF INDIVIDUALS DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA, TO CERTAIN COUNTRIES.

Section 1035 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by striking "December 31, 2018" and inserting "December 31, 2019".

SEC. 1024. EXTENSION OF PROHIBITION ON USE OF FUNDS TO CLOSE OR RELINQUISH CONTROL OF UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA.

Section 1036 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended inserting "or 2019" after "fiscal year 2018".

SEC. 1025. AUTHORITY TO TRANSFER INDIVIDUALS DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA, TO THE UNITED STATES TEMPORARILY FOR EMERGENCY OR CRITICAL MEDICAL TREATMENT.

(a) TEMPORARY TRANSFER FOR MEDICAL TREATMENT.—Notwithstanding section 1033 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), as amended by section 1021 of this Act, or any similar provision of law enacted after September 30, 2015,

the Secretary of Defense may, after consultation with the Secretary of Homeland Security, temporarily transfer an individual detained at Guantanamo to a Department of Defense medical facility in the United States for the sole purpose of providing the individual medical treatment if the Secretary of Defense determines that—

(1) the medical treatment of the individual is necessary to prevent death or imminent significant injury or harm to the health of the individual;

(2) the necessary medical treatment is not available to be provided at United States Naval Station, Guantanamo Bay, Cuba, without incurring excessive and unreasonable costs; and

(3) the Department of Defense has provided for appropriate security measures for the custody and control of the individual during any period in which the individual is temporarily in the United States under this section.

(b) LIMITATION ON EXERCISE OF AUTHORITY.—The authority of the Secretary of Defense under subsection (a) may be exercised only by the Secretary of Defense or another official of the Department of Defense at the level of Under Secretary of Defense or higher.

(c) CONDITIONS OF TRANSFER.—An individual who is temporarily transferred under the authority in subsection (a) shall—

(1) while in the United States, remain in the custody and control of the Secretary of Defense at all times; and

(2) be returned to United States Naval Station, Guantanamo Bay, Cuba, as soon as feasible after a Department of Defense physician determines, in consultation with the Commander, Joint Task Force-Guantanamo Bay, Cuba, that any necessary follow-up medical care may reasonably be provided the individual at United States Naval Station, Guantanamo Bay.

(d) STATUS WHILE IN UNITED STATES.—An individual who is temporarily transferred under the authority in subsection (a), while in the United States—

(1) shall be deemed at all times and in all respects to be in the uninterrupted custody of the Secretary of Defense, as though the individual remained physically at United States Naval Station, Guantanamo Bay, Cuba;

(2) shall not at any time be subject to, and may not apply for or obtain, or be deemed to enjoy, any right, privilege, status, benefit, or eligibility for any

benefit under any provision of the immigration laws (as defined in section 101(a)(17) of the Immigration and Nationality Act (8 U.S.C. 1101(a)(17)), or any other law or regulation;

(3) shall not be permitted to avail himself of any right, privilege, or benefit of any law of the United States beyond those available to individuals detained at United States Naval Station, Guantanamo Bay; and

(4) shall not, as a result of such transfer, have a change in any designation that may have attached to that detainee while detained at United States Naval Station, Guantanamo Bay, pursuant to the Authorization for Use of Military Force (Public Law 107–40), as determined in accordance with applicable law and regulations.

(e) NO CAUSE OF ACTION.—Any decision to transfer or not to transfer an individual made under the authority in subsection (a) shall not give rise to any claim or cause of action.

(f) LIMITATION ON JUDICIAL REVIEW.—

(1) LIMITATION.—Except as provided in paragraph (2), no court, justice, or judge shall have jurisdiction to hear or consider any claim or action against the United States or its departments, agen-

cies, officers, employees, or agents arising from or relating to any aspect of the detention, transfer, treatment, or conditions of confinement of an individual transferred under this section.

(2) EXCEPTION FOR HABEAS CORPUS.—The United States District Court for the District of Columbia shall have exclusive jurisdiction to consider an application for writ of habeas corpus seeking release from custody filed by or on behalf of an individual who is in the United States pursuant to a temporary transfer under the authority in subsection (a). Such jurisdiction shall be limited to that required by the Constitution, and relief shall be only as provided in paragraph (3). In such a proceeding the court may not review, halt, or stay the return of the individual who is the object of the application to United States Naval Station, Guantanamo Bay, Cuba, pursuant to subsection (c).

(3) RELIEF.—A court order in a proceeding covered by paragraph (2)—

(A) may not order the release of the individual within the United States; and

(B) shall be limited to an order of release from custody which, when final, the Secretary of Defense shall implement in accordance with sec-

tion 1034 of the National Defense Authorization Act for Fiscal Year 2016 (10 U.S.C. 801 note).

(g) NOTIFICATION.—Whenever a temporary transfer of an individual detained at Guantanamo is made under the authority of subsection (a), the Secretary of Defense shall notify the Committees on Armed Services of the Senate and the House of Representatives of the transfer not later than five days after the date on which the transfer is made.

(h) INDIVIDUAL DETAINED AT GUANTANAMO DEFINED.—In this section, the term "individual detained at Guantanamo" means an individual located at United States Naval Station, Guantanamo Bay, Cuba, as of October 1, 2009, who—

(1) is not a national of the United States (as defined in section 101(a)(22) of the Immigration and Nationality Act (8 U.S.C. 1101(a)(22)) or a member of the Armed Forces of the United States; and

(2) is—

(A) in the custody or under the control of the Department of Defense; or

(B) otherwise detained at United States Naval Station, Guantanamo Bay.

(i) APPLICABILITY.—This section shall apply to an individual temporarily transferred under the authority in subsection (a) regardless of the status of any pending or

completed proceeding or detention on the date of the enactment of this Act.

Subtitle D—Miscellaneous Authorities and Limitations

SEC. 1031. STRATEGIC GUIDANCE DOCUMENTS WITHIN THE DEPARTMENT OF DEFENSE.

Section 113(g) of title 10, United States Code, is amended by striking paragraphs (2) through (4) and inserting the following new paragraphs (2) through (4):

"(2)(A) In implementing the requirement in paragraph (1), the Secretary, with the advice of the Chairman of the Joint Chiefs of Staff, shall each year provide to the officials and officers referred in paragraph (1)(A), and submit to the congressional defense committees, written guidance (to be known as 'Defense Planning Guidance') establishing goals, priorities, and objectives, including fiscal constraints, to direct the preparation and review of the program and budget recommendations of all elements of the Department, including—

"(i) the priority military missions of the Department, including the assumed force planning scenarios and constructs;

"(ii) the force size and shape, force posture, defense capabilities, force readiness, infrastructure, organization, personnel, technological innovation, and

other elements of the defense program necessary to support the strategy required by paragraph (1);

"(iii) the resource levels projected to be available for the period of time for which such recommendations and proposals are to be effective; and

"(iv) a discussion of any changes in the strategy required by paragraph (1) and assumptions underpinning the strategy, as required by paragraph (1).

"(B) The guidance required by this paragraph shall be produced in February each year in order to support the planning and budget process. The guidance shall be submitted to the congressional defense committees together with the budget of the President (as submitted to Congress pursuant to section 1105(a) of title 31) for the fiscal year beginning in the year in which such guidance is submitted.

"(3)(A) In implementing the requirement in paragraph (1) and in conjunction with the reporting requirement in section 2687a of this title, the Secretary, with the approval of the President and the advice of the Chairman of the Joint Chiefs of Staff, shall, on the basis provided in subparagraph (E), provide to the officials and officers referred to in paragraph (1)(A), and submit to the congressional defense committees, written guidance (to be known as 'Contingency Planning Guidance' or 'Guidance for Employment of the Force') on the preparation and review of

contingency and campaign plans, including plans for providing support to civil authorities in an incident of national significance or a catastrophic incident, for homeland defense, and for military support to civil authorities.

"(B) The guidance required by this paragraph shall include the following:

"(i) A description of the manner in which limited existing forces and resources shall be prioritized and apportioned to achieve the objectives described in the strategy required by paragraph (1).

"(ii) A description of the relative priority of contingency and campaign plans, specific force levels, and supporting resource levels projected to be available for the period of time for which such plans are to be effective.

"(C) The guidance required by this paragraph shall include the following:

"(i) Prioritized global, regional, and functional policy objectives that the armed forces should plan to achieve, including plans for deliberate and contingency scenarios.

"(ii) Policy and strategic assumptions that should guide military planning, including the role of foreign partners.

"(iii) Guidance on global posture and global force management.

"(iv) Security cooperation priorities.

"(v) Specific guidance on United States and Department nuclear policy.

"(D) The guidance required by this paragraph shall be the primary source document to be used by the Chairman of the Joint Chiefs of Staff in—

"(i) executing the global military integration responsibilities described in section 153 of this title; and

"(ii) developing implementation guidance for the Joint Chiefs of Staff and the commanders of the combatant commands.

"(E) The guidance required by this paragraph shall be produced every two years, or more frequently as needed.

"(F) The guidance required by this paragraph shall be submitted to the congressional defense committees as required by subparagraph (A) in February of each year in which produced, and shall be accompanied by any written implementation documentation produced by the Chairman of the Joint Chiefs of Staff for purposes of such guidance.

"(4)(A) In implementing the requirement in paragraph (1), the Secretary, with the advice of the Chairman of the Joint Chiefs of Staff, shall each year produce, and

submit to the congressional defense committee, a report (to be known as the 'Global Defense Posture Report') that shall include the following:

"(i) A description of major changes to United States forces, capabilities, and equipment assigned and allocated outside the United States, focused on significant alterations, additions, or reductions to such global defense posture that are required to execute the strategy and plans of the Department.

"(ii) A description of the supporting network of infrastructure, facilities, pre-positioned stocks, and war reserve materiel required for execution of major contingency plans of the Department.

"(iii) A list of all enduring locations, including main operating bases, forward operating sites, and cooperative security locations.

"(iv) A description of the status of treaty, access, cost-sharing, and status-protection agreements with foreign nations.

"(v) A summary of the priority posture initiatives for each region by the commanders of the combatant commands.

"(vi) For each military department, a summary of the implications for overseas posture of any force structure changes.

"(vii) A description of the costs incurred outside the United States during the preceding fiscal year in connection with operating, maintaining, and supporting United States forces outside the United States for each military department, broken out by country, and whether for operation and maintenance, infrastructure, or transportation.

"(viii) A description of the amount of direct support for the stationing of United States forces provided by each host nation during the preceding fiscal year.

"(B) The report required by this paragraph shall be submitted to the congressional defense committees as required by subparagraph (A) by not later than April 30 each year.

"(C) In this paragraph, the term 'United States', when used in a geographic sense, includes the territories and possessions of the United States".

SEC. 1032. GUIDANCE ON THE ELECTRONIC WARFARE MISSION AREA AND JOINT ELECTROMAGNETIC SPECTRUM OPERATIONS.

(a) PROCESSES AND PROCEDURES FOR INTEGRATION.—The Secretary of Defense shall—

(1) establish processes and procedures to develop, integrate, and enhance the electronic warfare mission

area and the conduct of joint electromagnetic spectrum operations in all domains across the Department of Defense; and

(2) ensure that such processes and procedures provide for integrated defense-wide strategy, planning, and budgeting with respect to the conduct of such operations by the Department, including activities conducted to counter and deter such operations by malign actors.

(b) DESIGNATED SENIOR OFFICIAL.—

(1) IN GENERAL.—The Secretary shall designate a senior official of the Department of Defense (in this section referred to as the "designated senior official") who shall implement and oversee the processes and procedures established under subsection (a). The designated senior official shall be designated by the Secretary from among individuals serving in the Department at or below the level of Under Secretary of Defense. The designated senior official shall oversee and chair the cross-functional team established pursuant to subsection (c) and the Electronic Warfare Executive Committee established in March 2015.

(2) RESPONSIBILITIES.—The designated senior official shall have, with respect to the implementation and oversight of the processes and procedures estab-

lished under subsection (a), the following responsibilities:

(A) Development of a strategic framework for the conduct and execution of the electronic warfare mission area and joint electromagnetic spectrum operations by the Department, coordinated across all relevant elements of the Department, including both near-term and long-term guidance for the conduct of such operations.

(B) Oversight of resource management for the development and integration of electronic warfare capabilities of the Department.

(3) ANNUAL CERTIFICATION ON BUDGETING FOR CERTAIN CAPABILITIES.—Each budget for fiscal years 2020 through 2024 submitted by the President to Congress pursuant to section 1105(a) of title 31, United States Code, shall include a certification by the senior designated official, as chair of the Electronic Warfare Executive Committee, whether sufficient funds are requested in such budget for anticipated activities in such fiscal year for each of the following:

(A) The development of an Electromagnetic Battle Management capability for joint electromagnetic spectrum operations.

(B) The establishment and operation of associated Joint Electromagnetic Spectrum Operations cells.

(c) CROSS-FUNCTIONAL TEAM FOR ELECTRONIC WARFARE.—

(1) ESTABLISHMENT REQUIRED.—The Secretary shall, in accordance with section 911(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2345; 10 U.S.C. 111 note), establish a cross-functional team for electronic warfare in order to identify gaps in electronic warfare capabilities and capacities within the Department across personnel, procedural, and equipment areas.

(2) SPECIFIC DUTIES.—The cross-functional team established pursuant to paragraph (1) shall provide recommendations to address gaps identified as described in that paragraph to the senior designated official.

(d) PLANS AND REQUIREMENTS FOR ELECTRONIC WARFARE.—

(1) IN GENERAL.—The Secretary shall require the designated senior official to task the cross-functional team established pursuant to subsection (c) to develop requirements and specific plans for address-

ing personnel and capability gaps in the electronic warfare mission area, and plans for future warfare in that domain (including a roadmap for the next five years).

(2) UPDATE OF STRATEGY.—Not later than 180 days after the date of the enactment of this Act, the cross-functional team shall—

(A) update the strategy of the Department of Defense titled "The DOD Electronic Warfare Strategy" and dated June 2017 to include the roadmap referred to in paragraph (1); and

(B) submit the updated strategy to the designated senior official for transmittal to the congressional defense committees.

(3) ELEMENTS.—The requirements and plans developed by the cross-functional team pursuant to paragraph (1) shall include the following:

(A) An accounting of the efforts undertaken in support of the strategy referred to in paragraph (2)(A) since its issuance in June 2017.

(B) A description of any updates or changes to the strategy since its issuance, and a description of any anticipated updates or changes to the strategy as a result of the designation of the designated senior official.

(C) An assessment of vulnerabilities identified in the May 2015 Electronic Warfare assessment by the Defense Science Board.

(D) An assessment of the capability of joint forces to conduct joint electromagnetic spectrum operations against near-peer adversaries and any capability or capacity gaps in such capability that need to be addressed, including an assessment of the ability of joint forces to conduct coordinated military operations to exploit, attack, protect, and manage the electromagnetic environment in the Signals Intelligence, Electronic Warfare, and Spectrum Management mission areas.

(E) A review of the roles of offices within the Joint Staff, the Office of the Secretary of Defense, and the combatant commands with primary responsibility for joint electromagnetic spectrum policy and operations.

(F) A description of any assumptions about the roles and contributions of the Department, in coordination with other departments and agencies of the United States Government, with respect to the strategy.

(G) A description of actions, performance metrics, and projected timelines for achieving key capabilities for electronic warfare and joint electromagnetic spectrum operations to correspond to the four thematic goals identified in the strategy and as addressed by the roadmap.

(H) An analysis of any personnel, resourcing, capability, authority, or other gaps to be addressed in order to ensure effective implementation of the strategy across all relevant elements of the Department, including an update on each of the following:

(i) The development of an Electromagnetic Battle Management capability for joint electromagnetic spectrum operations.

(ii) The establishment and operation of Joint Electromagnetic Spectrum Operations cells at critical combatant command locations.

(I) An investment framework and projected timeline for addressing any gaps described by subparagraph (H).

(J) In consultation with the Director of the Defense Intelligence Agency—

(i) a comprehensive assessment of the electronic warfare capabilities of the Russian Federation and People's Republic of China;

(ii) a review of vulnerabilities with respect to electronic systems, such as the Global Positioning System, and in Department-wide abilities to conduct countermeasures in response to electronic warfare attacks; and

(iii) a holistic study of all aspects of the manner in which the Russian Federation and the People's Republic of China develop electronic warfare doctrine, with order of battle across multiple domains, and long-term research trends of each country in connection with such warfare.

(K) Such other matters as the Secretary considers appropriate.

(4) PERIODIC STATUS REPORTS.—Not later than 90 days after the requirements and plans required by paragraph (1) are submitted in accordance with paragraph (2), and every 90 days thereafter during the three-year period beginning on the date such plans and requirements are first submitted in accordance with paragraph (2), the designated senior offi-

cial shall submit to the congressional defense committees a report describing the status of the efforts of the Department in accomplishing the tasks specified in subparagraphs (B) and (G) of paragraph (3).

(e) TRAINING AND EDUCATION.—Consistent with the elements under subsection (d)(3) of the plans and requirements required by subsection (d)(1), the cross-functional team established pursuant to subsection (c) shall provide the senior designated official recommendations for programs to provide training and education to such members of the Armed Forces and civilian employees of the Department as the Secretary considers appropriate in order to ensure that such members and employees understand the roles and vulnerabilities associated with electronic warfare and dependence on the electromagnetic spectrum.

SEC. 1033. LIMITATION ON USE OF FUNDS FOR UNITED STATES SPECIAL OPERATIONS COMMAND GLOBAL MESSAGING AND COUNTER-MESSAGING PLATFORM.

None of the funds authorized to be appropriated by this Act may be used for United States Special Operations Command's Global Messaging and Counter-Messaging platform until the Secretary of Defense submits to the congressional defense committees a report containing the following elements:

(1) A review of the doctrine, organization, training, materiel, leadership and education, personnel and facilities applicable to military information support personnel, including, at a minimum—

(A) an assessment of current doctrine, organization, training, materiel, leadership and education, personnel and facilities; and

(B) recommended changes for enhancing the ability of military information support personnel to operate effectively in the current and future information environment.

(2) An implementation plan for the establishment of the platform, including a timeline for achieving initial and full operational capability.

(3) A description of the budget requirements for the platform to reach full operational capability, including an identification and cost of any infrastructure and equipment requirements.

(4) A summary of costs to operate and sustain the platform across the future year's defense plan.

(5) An explanation of the Secretary's guidance to the combatant commands to ensure unity of effort and prevent the proliferation of messaging and countermessaging platforms.

(6) A detailed description of the processes for deconfliction and, where possible, integration of platform planning and activities with those of relevant departments and agencies of the United States Government, including the Department of State's Global Engagement Center.

(7) An identification of any additional authorities that may be required for achieving full operational capability of the platform.

(8) Any other matters deemed relevant by the Secretary.

SEC. 1034. SENSE OF CONGRESS ON THE BASING OF KC–46A AIRCRAFT OUTSIDE THE CONTINENTAL UNITED STATES.

(a) FINDING.—Congress finds that the Department of Defense is continuing its process of permanently stationing KC–46A aircraft at installations in the continental United States (CONUS) and forward-basing outside the continental United States (OCONUS).

(b) SENSE OF CONGRESS.—It is the sense of Congress that the Secretary of the Air Force, as part of the strategic basing process for KC–46A aircraft, should continue to place emphasis on and consider the benefits derived from locations outside the continental United States that—

(1) support day-to-day air refueling operations, operations plans of the combatant commands, and flexibility for contingency operations, and have—

(A) a strategic location that is essential to the defense of the United States and its interests;

(B) receivers for boom or probe-and-drogue training opportunities with joint and international partners; and

(C) sufficient airfield and airspace availability and capacity to meet requirements; and

(2) possess facilities that—

(A) take full advantage of existing infrastructure to provide—

(i) runway, hangars, and aircrew and maintenance operations; and

(ii) sufficient fuels receipt, storage, and distribution capacities for a 5-day peacetime operating stock; and

(B) minimize overall construction and operational costs.

SEC. 1035. RELINQUISHMENT OF LEGISLATIVE JURISDICTION OF CRIMINAL OFFENSES COMMITTED BY JUVENILES ON MILITARY INSTALLATIONS.

(a) IN GENERAL.—In the case of any military installation or portion of a military installation of which exclu-

sive legislative jurisdiction of criminal offenses committed by juveniles is retained by the United States as of the date of the enactment of this Act, the Secretary concerned shall seek to relinquish to the State, Commonwealth, territory, or possession concerned legislative jurisdiction of such offenses such that the United States and the State, Commonwealth, territory, or possession, as the case may be, have concurrent legislative jurisdiction of such offenses.

(b) MANNER OF RELINQUISHMENT.—Legislative jurisdiction shall be relinquished pursuant to subsection (a) in the manner provided in section 2683(a) of title 10, United States Code.

(c) DEADLINE.—The Secretaries concerned shall, to the extent practicable, complete relinquishment of legislative jurisdiction pursuant to subsection (a) by not later than one year after the date of the enactment of this Act.

(d) REPORTS.—

(1) IN GENERAL.—Not later than 15 months after the date of the enactment of this Act, each Secretary concerned shall submit to Congress a report on the relinquishment of legislative jurisdiction pursuant to subsection (a).

(2) ELEMENTS.—The report of a Secretary under this subsection shall include the following:

(A) A list of the installations or portions of installations under the jurisdiction of the Secretary of which exclusive legislative jurisdiction of criminal offenses committed by juveniles is retained by the United States as of the date of the enactment of this Act.

(B) A list of the installations or portions of installations listed pursuant to subparagraph (A) for which legislative jurisdiction was relinquished pursuant to subsection (a) as of the date that is one year after the date of the enactment of this Act.

(C) A list of the installations or portions of installations listed pursuant to subparagraph (A) for which legislative jurisdiction was not relinquished pursuant to subsection (a) as of the date that is one year after the date of the enactment of this Act, and, for each such installation or portion of installation, the reasons why such legislative jurisdiction was not so relinquished.

(e) SECRETARY CONCERNED DEFINED.—In this section, the term "Secretary concerned" has the meaning given that term in section 101(a)(9) of title 10, United States Code.

SEC. 1036. POLICY ON RESPONSE TO JUVENILE-ON-JUVENILE ABUSE COMMITTED ON MILITARY INSTALLATIONS.

(a) IN GENERAL.—The Secretary of Defense shall establish a policy, applicable across the military installations of the Department of Defense (including installations outside the United States), on the response of the Department to allegations of juvenile-on-juvenile abuse on military installations. The policy shall be designed to ensure a consistent, standardized response to such allegations across the Department.

(b) ELEMENTS.—The policy required by this section shall provide for the following:

(1) Any report or other allegation of juvenile-on-juvenile abuse on a military installation that is received by the installation commander, a law enforcement organization, a Family Advocacy Program, a chid development center, or a Department school operating on the installation or otherwise under Department administration for the installation shall be reviewed by the Family Advocacy Program of the installation.

(2) Personnel of Family Advocacy Programs conducting reviews shall have appropriate training and experience in working with juveniles.

(3) Family Advocacy Programs conducting reviews shall conduct a multi-faceted, multi-disciplinary review and recommend treatment, counseling, or other appropriate interventions for complainants and respondents.

(4) Each review shall be conducted—

(A) with full involvement of appropriate authorities and entities, including parents or legal guardians of the juveniles involved (if practicable); and

(B) to the extent practicable, in a manner that protects the sensitive nature of the incident concerned, using language appropriate to the treatment of juveniles in written policies and communication with families.

(5) The requirement for investigation of a report or other allegation shall not be deemed to terminate or alter any otherwise applicable requirement to report or forward the report or allegation to appropriate Federal, State, or local authorities as possible criminal activity.

(6) There shall be established and maintained a centralized database of information on each incident of abuse that is reviewed by a Family Advocacy Program under this section, with—

(A) the information in such database kept strictly confidential; and

(B) because the information involves alleged conduct by juveniles, additional special precautions taken to ensure the information is available only to persons who require access to the information.

(7) There shall be entered into the database, for each substantiated or unsubstantiated incident of abuse, appropriate information on the incident, including—

(A) a description of the allegation;

(B) whether or not the review is completed;

(C) whether or not the incident was subject to an investigation by a law enforcement organization or entity, and the status and results of such investigation; and

(D) whether or not action was taken in response to the incident, and the nature of the action, if any, so taken.

Subtitle E—Studies and Reports

SEC. 1041. REPORT ON HIGHEST-PRIORITY ROLES AND MISSIONS OF THE DEPARTMENT OF DEFENSE AND THE ARMED FORCES.

(a) SENSE OF SENATE.—It is the sense of the Senate that—

(1) the National Defense Strategy correctly characterizes the leading strategic challenges facing the United States as the reemergence of great power competition, the erosion of the United States military technological advantage, enduring violent extremism and instability in the broader Middle East and Africa, and continued uncertainty in the United States about the availability of sufficient resources for national defense;

(2) the National Defense Strategy correctly prioritizes the development of a more lethal joint force that is ready to deter and, if necessary, defeat aggression by great power competitors with advanced military capabilities, while conducting counterterrorism operations in a more sustainable manner, together with allies and partners;

(3) the National Defense Strategy, and the implications of the Strategy for the size, structure, shape, roles, missions, and employment of the joint

force, was not completed in time to inform fully the budget of the President for national defense for fiscal year 2019;

(4) many Department of Defense programs of record are upgraded replacements of legacy systems that were not premised on the assumption that future conflict could occur in highly-contested environments against militarily advanced near-peer rivals;

(5) considerable growth in the size of the military will not be possible without growth in the budget, because the current future-years defense program assumes that defense spending after fiscal year 2019 will only increase at the rate of inflation, while costs for two of the largest drivers of costs for the Department, namely military personnel and operation and maintenance, continue to grow faster than the rate of inflation;

(6) the Senate strongly supports the pursuit by the Department of budgetary savings through internal reform and efficiencies, but notes that previous attempts to generate additional resources through such mechanisms did not generate resources as planned;

(7) increased force modernization investments must be based on a rigorous reassessment of whether current programs will meet present and future

warfighting requirements against near-peer rivals that are making rapid military technological advancements;

(8) the Department must conduct further analytical work in order—

(A) to facilitate the implementation of the National Defense Strategy, as recommended by the Commission on the National Defense Strategy; and

(B) to provide Congress with a more rigorous understanding of, and justification for, future requests for resources to organize, train and equip, and employ the Armed Forces; and

(9) the Senate encourages the Secretary of Defense to refine the National Defense Strategy into more specific operational tasks and force planning scenarios that the joint force must be ready and able to perform in order to facilitate a better understanding of joint force development priorities and the roles and missions of each Armed Force.

(b) REPORT ON ROLES AND MISSIONS.—

(1) REPORT REQUIRED.—Not later than February 1, 2019, the Secretary of Defense shall submit to the congressional defense committees a report setting forth a re-evaluation of the highest priority mis-

sions of the Department of Defense, and of the roles of the Armed Forces in the performance of such missions.

(2) GOALS.—The goals of the re-evaluation required for purposes of the report shall be as follows:

(A) To support implementation of the National Defense Strategy.

(B) To optimize the effectiveness of the joint force.

(C) To inform the preparation of future defense program and budget requests by the Secretary, and the consideration of such requests by Congress.

(c) ELEMENTS.—The report required by subsection (b) shall include the following:

(1) A detailed description of the pacing threats for each Armed Force, and for special operations forces, and an assessment of the manner in which such pacing threats determine the primary role of each Armed Force, and special operations forces, including the connection between key operational tasks required by contingency plans.

(2) A specific requirement for the size and composition of each Armed Force, including the following:

(A) The required total end strength and force structure by type for the Army.

(B) The required fleet size of the Navy, identified by class of ships and the corresponding total end strength requirement once that fleet size is achieved.

(C) The required number of operational Air Force squadrons, identified by function and the corresponding total end strength requirement once that number of squadrons is achieved.

(D) The required total end strength and force structure by type for the Marine Corps.

(E) The force sizing construct used to determine the end strength requirements covered by subparagraphs (A) through (D), the year-by-year plan for achieving such requirements, relevant force posture assumptions, and the associated military personnel costs of such plan.

(3) A re-evaluation of the roles of the Armed Forces in performing low-intensity missions, such as counterterrorism and security force assistance, including the following:

(A) An assessment whether the joint force would benefit from having one Armed Force dedicated primarily to low-intensity missions,

thereby enabling the other Armed Forces to focus more exclusively on advanced peer competitors.

(B) A detailed description of, and accompanying justification for, the total amount of forces required to perform the security force assistance mission and the planned geographic employment of such forces.

(C) A revalidation of the Army plan to construct six Security Force Assistant Brigades, and an assessment of the impact, if any, of such plan on the capability of the Army to perform its primary roles under the National Defense Strategy.

(D) An assessment whether the security force assistance mission would be better performed by the Marine Corps, and an assessment of the end strength and force composition changes, if any, required for the Marine Corps to assume such mission.

(4) A reassessment of the roles and missions of the total ground forces, both Army and Marine Corps, to execute the National Defense Strategy, including the following:

(A) A detailed description of the allocation of roles for the Army and Marine Corps in deterring and waging war against advanced peer

competitors that can complement the activities and investments of each such Armed Force and optimize the capabilities of each such Armed Force.

(B) A detailed description of the appropriate balance and mix of Army force structure, including light infantry, mechanized infantry, armor, air defense, fires, engineers, aviation, signals, and logistics, that is required to perform the roles and missions of the Army against its pacing threats.

(C) A detailed description of the modernized capabilities and concepts to be developed by the Army to contribute to joint force operations against advanced peer competitors, including the manner in which Army aviation will evolve in light of unmanned aerial vehicle technology.

(D) A revalidation of the requirement for ground force modernization efforts, including the Joint Light Tactical Vehicle, Future Vertical Lift, and Mobile Protected Fires, that are not optimized for conflict between the United States and advanced peer competitors.

(E) A detailed description of requirements for Army forces needed to support theater operations.

(5) An assessment, based on operational plans, of the ability of power projection platforms to survive and effectively perform the highest priority operational missions described in the National Defense Strategy, including the following:

(A) An assessment of the feasibility of the current plans and investments by the Navy and Marine Corps to operate and defend their sea bases in contested environments.

(B) An assessment whether amphibious forced entry operations against advanced peer competitors should remain an enduring mission for the joint force considering the stressing operational nature and significant resource requirements of such mission.

(C) An assessment whether a transition from large-deck amphibious ships to small aircraft carriers would result in a more lethal and survivable Marine Corps sea base that could accommodate larger numbers of more diverse strike aircraft.

(D) An assessment of the manner in which an acceleration of development and fielding of longer-range, unmanned, carrier-suitable strike aircraft could better meet operational requirements and alter the requirement for shorter-range, manned tactical fighter aircraft.

(E) An assessment of the manner in which the emerging technology to operate large numbers of low-cost, autonomous, attributable systems in the air, on and under the sea, on land, and in space could change the manner in which the joint force projects power globally.

(6) An assessment, based on operational plans, of the ability of manned, stealthy, penetrating strike platforms to survive and perform effectively the highest priority operational missions described in the National Defense Strategy, including the following:

(A) An assessment whether anticipated advances in stealth technology and the employment of such technology on existing or developmental systems, such as the F–35 and B–21 aircraft, can be expected to outpace and overmatch adversary capabilities to detect and target such systems.

(B) An assessment of the ability of fourth generation aircraft with advanced sensors and weapons to perform certain missions equally or more effectively than the missions assigned to, or envisioned for, fifth-generation penetrating strike platforms.

(C) An assessment of the manner in which the emerging technology to operate large numbers of low-cost, autonomous, attributable systems in the air, on and under the sea, on land, and in space could obviate or reduce the requirement for penetrating strike platforms.

(7) A re-evaluation of the most effective and efficient means for the joint force to perform the air superiority mission in both contested and uncontested environments, including the following:

(A) An assessment of the ability to achieve air superiority from other domains, including with land-based systems, naval systems, undersea systems, space-based systems, electronic warfare systems, or cyber capabilities.

(B) A validation of the envisioned operational and cost effectiveness of the Penetrating Counter-Air platform, and of the requirement for

developing this system as part of the Air Force Next Generation Air Dominance program.

(C) A detailed description of the optimal mix across the joint force of fourth-generation and fifth-generation fighter aircraft, bomber aircraft, and Next Generation Air Dominance systems to fulfill operational demands for air superiority.

(D) A detailed description of the manner in which the joint force will perform the mission of light aerial attack in uncontested environments to support counterterrorism and security force assistance missions, and the mission of countering violent extremism operations, at the lowest cost to the readiness of advanced, multirole combat aircraft.

(E) A determination of what Armed Force, in addition to the Air Force, should have a role in the mission of light air attack in uncontested environments.

(8) A reevaluation of the roles and missions of the joint special operations enterprise, including the following:

(A) A detailed assessment whether the joint special operations enterprise is currently per-

forming too many missions worldwide, and whether any such missions could be performed adequately and more economically by conventional units.

(B) A detailed assessment whether the global allocation of special operations forces, and especially the most capable units, is aligned to the pacing threats and priority missions of the National Defense Strategy.

(C) A detailed description of the changes required to align the joint special operations enterprise more effectively with the National Defense Strategy.

(9) An assessment of the manner in which increased use of the space domain should revise or reallocate the requirements of the joint force, including the following:

(A) A detailed description of the missions, including joint moving target indication, air battle management, and missile and aircraft tracking and targeting, that could be performed more effectively from space-based platforms due to emerging technology and operational requirements.

(B) An assessment of the manner in which the joint force can take advantage of the development and deployment of disaggregated commercial satellite Internet constellations to replace legacy tactical communications networks and devices and achieve multi-domain command and control more effectively and at lower cost.

(C) An assessment of the manner in which to ensure that the joint force has access to technologies that deliver superior offensive space capabilities and a maneuver advantage to and within the space domain, including reusable launch systems and spacecraft, on-orbit refueling and manufacturing, on-orbit power generation, and exploitation of space minerals and propellants.

(D) A detailed description of the actions to be taken by components of the Department to promote and protect the development of a licit space economy, including the following:

(i) Defense of commercial activities, facilities, and claims.

(ii) Safety of navigation.

(iii) Rescue and recovery.

(iv) Construction and maintenance of public works in Cis-Lunar Space.

(v) Active debris remediation.

(vi) Establishment of an on-orbit national strategic reserve of space minerals and propellants.

(10) A reassessment of the manner in which the joint force will perform the mission of logistics in contested environments, including the following:

(A) A revalidation of the requirement for the KC–46 tanker aircraft, including an assessment of the aerial refueling requirements in contested environments and a greater reliance on distributed systems of systems.

(B) A detailed assessment whether the mission of logistics in contested environments could be better performed by larger numbers of lower-cost, autonomous systems capable of dispersed operations on land, at sea, and in the air.

(C) A detailed assessment whether greater forward stationing of joint force capabilities and personnel would be more operationally effective in performing the contact and blunt missions of the National Defense Strategy.

(d) FORM.—The report required in subsection (b) shall be submitted in classified form, and shall include an unclassified summary.

SEC. 1042. ANNUAL REPORTS BY THE ARMED FORCES ON OUT-YEAR UNCONSTRAINED TOTAL MUNITIONS REQUIREMENTS AND OUT-YEAR INVENTORY NUMBERS.

(a) REPORTS REQUIRED.—Chapter 9 of title 10, United States Code, is amended by inserting after section 222a the following new section:

"§ 222b. Armed forces: Out-Year Unconstrained Total Munitions Requirements; Out-Year inventory numbers

"(a) ANNUAL REPORTS.—At the same time each year that the budget for the fiscal year beginning in such year is submitted to Congress pursuant to section 1105(a) of title 31, the chief of staff of each armed force (other than the Coast Guard) shall submit to the congressional defense committees a report setting forth for such armed force each of the following for such fiscal year, broken out as specified in subsection (b):

"(1) The Out-Year Unconstrained Total Munitions Requirement.

"(2) The Out-Year inventory numbers.

"(b) PRESENTATION.—The Out-Year Unconstrained Total Munitions Requirement and Out-Year inventory numbers for an armed force for a fiscal year pursuant to subsection (a) shall include specific inventory objective requirements for each variant of munitions with respect to each of the following:

"(1) Combat Requirement, broken out by operation plan (OPLAN).

"(2) Current Operation/Forward Presence Requirement.

"(3) Strategic Readiness Requirement.

"(4) Homeland Defense.

"(5) Training and Testing Requirement.

"(6) Total Out-Year Unconstrained Total Munitions Requirement, calculated in accordance with the implementation guidance described in subsection (c).

"(7) Out-year worldwide inventory.

"(c) IMPLEMENTATION GUIDANCE USED.—In submitting information pursuant to subsection (a) for a fiscal year, the chief of staff of each armed force shall describe and explain the munitions requirements process implementation guidance developed by the Under Secretary of Defense for Acquisition and Sustainment and used by such armed force for the munitions requirements process for such armed force for that fiscal year.

"(d) DEFINITIONS.—In this section:

"(1) The term 'chief of staff', with respect to the Marine Corps, means the Commandant of the Marine Corps.

"(2) The term 'Out-Year Unconstrained Total Munitions Requirement' has the meaning given that term in and for purposes of Department of Defense Instruction 3000.04, or any successor instruction.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 9 of such title is amended by inserting after the item relating to section 222a the following new item:

"222b. Armed forces: Out-Year Unconstrained Total Munitions Requirements; Out-Year inventory numbers.".

SEC. 1043. COMPREHENSIVE REVIEW OF OPERATIONAL AND ADMINISTRATIVE CHAINS-OF-COMMAND AND FUNCTIONS OF THE DEPARTMENT OF THE NAVY.

(a) IN GENERAL.—The Secretary of the Navy shall conduct a comprehensive review of the operational and administrative chains-of-command and functions of the Department of the Navy.

(b) ELEMENTS.—In conducting the review required by subsection (a), the Secretary shall consider options to do each of the following:

(1) Increase visibility of unit-level readiness at senior levels.

(2) Reduce so-called "double-hatting" and "triple-hatting" commanders.

(3) Clarify organizations responsible and accountable for training and certification at the unit, group, and fleet level.

(4) Simplify reporting requirements applicable to commanding officers.

(c) 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 on the results of the review required by subsection (a). The report shall include the following:

(A) The results of the review, including any findings of the Secretary as a result of the review.

(B) Any organizational changes in operational or administrative chains-of-command or functions of the Department undertaken or to be undertaken by the Secretary in light of the review.

(C) Any recommendations for legislative or administration action with respect to the oper-

ational or administrative chains-of-command or functions of the Department as the Secretary considers appropriate in light of the review.

(2) FORM.—The report under this subsection shall be submitted in unclassified form, but may include a classified annex.

SEC. 1044. MILITARY AVIATION READINESS REVIEW IN SUPPORT OF THE NATIONAL DEFENSE STRATEGY.

(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 military aviation readiness in support of the National Defense Strategy (NDS).

(b) REVIEW FOR REPORT PURPOSES.—

(1) IN GENERAL.—The report under subsection (a) shall be based on a review conducted for purposes of the report in accordance with this section.

(2) PANEL.—The review shall be conducted by a panel consisting of the following:

(A) The Commander of the Air Combat Command, who shall head the panel.

(B) The Commander of the Army Aviation Branch.

(C) The Chief of Naval Air Forces.

(D) The Deputy Commandant of the Marine Corps for Aviation.

(E) Such other personnel of the Department of Defense as the Secretary considers appropriate.

(c) REVIEW ELEMENTS.—The review required by subsection (b) shall address the following:

(1) An analysis of the career progression of military pilots and non-pilot aviators, including a comparison between military pilot and non-pilot aviators, on the one hand, and other military specialities, on the other hand, with respect to each of the following:

(A) Tours of duty.

(B) Assignment lengths.

(C) Minimum service commitments.

(D) Professional performance evaluation systems.

(E) Statutory and administrative promotion processes.

(2) An analysis of aircrew aviation training for various aircraft platforms, including—

(A) an historical analysis, covering the past 15 years, of first and second assignment total

flight hours and model-specific flight hours for military pilots and non-pilot aviators; and

(B) an analysis of the flight hour program in order to determine the appropriate level of required monthly flight hours and sorties to maintain currency (minimum safe level) and proficiency (minimum level to be tactically competent).

(3) An analysis of the effect of recent operational deployments on the ability of military pilots and non-pilot aviators to build and maintain readiness for potential threats from a near-peer adversary, including—

(A) a comparison of rates of simulator usage for military pilots and non-pilot aviators within and not within the pre-deployment training window; and

(B) an assessment of the suitability of training curriculum to address high-end combat operations against a near-peer adversary.

(4) An analysis of aviation squadron size and composition, including—

(A) individual unit-level aircraft allocation;

(B) aviation platform-specific force structure; and

(C) quantity of squadrons within each aviation platform.

(5) An analysis of aviation squadron manning documents on appropriate levels and composition of military pilots, non-pilot aviators, and non-aircrew for each squadron in support of the most current National Defense Strategy, including a consideration of—

(A) appropriate levels and composition of military pilots, non-pilot aviators, and non-aircrew for each squadron in support of such National Defense Strategy;

(B) flight-related workload compared with non-flight related workload for military pilots and non-pilot aviators;

(C) the number of different aircraft platforms to which enlisted maintenance personnel are expected to be assigned throughout a typical career; and

(D) career training milestones for enlisted maintenance personnel, and the effects of such milestones on military aviation readiness.

(6) An analysis of logistics programs in support of military aviation readiness, including—

(A) an evaluation of any shortfalls in logistics programs that serve as contributing factors to both military pilot retention and overall readiness of military aviation units;

(B) an analysis of aircraft parts cannibalization rates;

(C) a determination of average mission capable ratings for aircraft throughout the various stages of the deployment cycle;

(D) an analysis of rates of reassignment of aircraft from non-deploying units to deploying units; and

(E) an identification of individual aircraft communities, if any, with strained supply chains with single-source suppliers.

SEC. 1045. REPORT ON CAPABILITIES AND CAPACITIES OF ARMORED BRIGADE COMBAT TEAMS.

(a) IN GENERAL.—Not later than 60 days after the date of the enactment of this Act, the Secretary of the Army shall submit to the congressional defense committees a report on the capabilities and capacities of Armored Brigade Combat Teams (ABCTs).

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

(1) A description of the total number of Armored Brigade Combat Teams required to support the National Defense Strategy (NDS).

(2) A description of the manner in which the Army plans to equip and field future Armored Brigade Combat Teams.

(3) A description of the total number of mechanized infantry companies required in support of the Armored Brigade Combat Teams.

(4) A description of steps being taken to improve the number and quality of live-fire gunnery exercises executed each year, including improving execution of battalion and brigade-level combined arms live-fire exercises both at home station and at the Combat Training Centers.

(5) A description of training being conducted to train Armored Brigade Combat Teams in combined arms for air defense and to counter unmanned aerial vehicles with organic weapons and tactics.

(6) A plan to improve personnel preparedness by the reduction of non-deployable soldiers and improvements in combat vehicle crew stability and material readiness of key combat systems.

(7) A description of deficiencies in repair parts and number of qualified mechanics, and a plan to correct such deficiencies.

(8) A plan for the modernization of the Armored Brigade Combat Teams.

SEC. 1046. IMPROVEMENT OF ANNUAL REPORT ON CIVILIAN CASUALTIES IN CONNECTION WITH UNITED STATES MILITARY OPERATIONS.

(a) MODIFICATION AND EXPANSION OF ELEMENTS.—Subsection (b) of section 1057 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended—

(1) in paragraph (1), by inserting ", including each specific mission, strike, engagement, raid, or incident," after "military operations";

(2) in paragraph (2)(E), by inserting before the period at the end the following: ", including a differentiation between those killed and those injured";

(3) in paragraph (3), by inserting before the period at the end the following: ", and, when appropriate, makes ex gratia payments to the victims or their families";

(4) by redesignating paragraph (5) as paragraph (6); and

(5) by inserting after paragraph (4) the following new paragraph (5):

"(5) Any update or modification to any report under this section during a previous year.".

(b) SCOPE OF UNCLASSIFIED FORM OF REPORT.—Subsection (d) of such section is amended by adding at the end the following new sentence: "The unclassified form of each report shall, at a minimum, be responsive to each element under subsection (b) of a report under subsection (a), and shall be made available to the public at the same time it is submitted to Congress (unless the Secretary certifies in writing that the publication of such information poses a threat to the national security interests of the United States).".

SEC. 1047. REPORT ON DEPARTMENT OF DEFENSE PARTICIPATION IN EXPORT ADMINISTRATION REGULATIONS LICENSE APPLICATION REVIEW PROCESS.

(a) IN GENERAL.—Not later than 180 days after the enactment of this Act, and every 180 days thereafter until the date that is three years after such date of enactment, the Under Secretary of Defense for Policy shall submit to the congressional defense committees a report on the participation by the Department of Defense in the process for reviewing applications for export licenses under the Export

Administration Regulations as a reviewing agency under Executive Order 12981 (50 U.S.C. 4603 note; relating to administration of export controls).

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

(1) The number of applications for export licenses under the Export Administration Regulations reviewed by the Department of Defense in the 180-day period preceding the submission of the report.

(2) The number of instances during that 180-day period in which the Department disagreed with a final determination made with respect to such an application under the review procedures set forth in Executive Order 12981.

(3) A summary of such instances, including—

(A) a summary of the applicants for such licenses and the recipients of items pursuant to such licenses in such instances;

(B) a description of sensitive technologies involved in such instances; and

(C) a description of the rationale of the Department for disagreeing with such determinations.

(4) The number of such applications under review by the Department or undergoing interagency

dispute resolution as of the date of the submission of the report.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form but may include a classified annex.

(d) EXPORT ADMINISTRATION REGULATIONS DEFINED.—In this section, the term "Export Administration Regulations" means subchapter C of chapter VII of title 15, Code of Federal Regulations.

SEC. 1048. AUTOMATIC SUNSET FOR FUTURE STATUTORY REPORTING REQUIREMENTS.

(a) IN GENERAL.—Chapter 23 of title 10, United States Code, is amended by inserting after section 480 the following new section:

"§ 480a. Reports to Congress: termination of indefinite-duration reports after three years

"(a) IN GENERAL.—Any provision of law enacted on or after the date of enactment of this section that includes an indefinite-duration report requirement shall cease to be effective, with respect to that requirement, three years after the date of the enactment of that provision of law unless that provision of law expressly states that this section is inapplicable to that requirement or that provision of law.

"(b) INDEFINITE-DURATION REPORT REQUIREMENT DEFINED.—In this section, the term 'indefinite-duration re-

quirement' means a requirement in any provision of law for the Secretary of Defense (or any other officer or employee of the Department of Defense) to submit to Congress (or any committee of Congress) a periodic report for which the law does not—

"(1) state a specific period of time as the period during which that report is required to be submitted or that provision of law is in effect; or

"(2) state a specific termination date for the requirement to submit the report or for that provision of law.

"(c) PERIODIC REPORT DEFINED.—In this section, the term 'periodic report' means a report required to be submitted on an annual, semiannual, or other regular periodic basis.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 23 of such title is amended by inserting after the item relating to section 480 the following new item:

"480a. Reports to Congress: termination of indefinite-duration reports after three years.".

SEC. 1049. REPEAL OF CERTAIN DEPARTMENT OF DEFENSE REPORTING REQUIREMENTS THAT OTHERWISE TERMINATE AS OF DECEMBER 31, 2021.

(a) TITLE 10, UNITED STATES CODE.—Title 10, United States Code, is amended as follows:

(1)(A) Section 229, relating to the display of budget information for programs for combating terrorism, is repealed.

(B) The table of sections at the beginning of chapter 9 is amended by striking the item relating to section 229.

(2)(A) Section 231a, relating to budgeting for life-cycle costs of aircraft for the Navy, Army, and Air Force, is repealed.

(B) The table of sections at the beginning of chapter 9 is amended by striking the item relating to section 231a.

(3) Section 2276, relating to commercial space launch cooperation, is amended—

(A) by striking subsection (e); and

(B) by redesignating subsections (f) and (g) as subsections (e) and (f), respectively.

(4) Section 7310, relating to report on repair of certain vessels in foreign shipyards, is amended by striking subsection (c).

(b) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2007.—Section 1017 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 120 Stat. 2379), relating to obtaining carriage by vessel, is amended—

(1) by striking subsection (e); and

(2) by redesignating subsection (f) as subsection (e).

(c) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2008.—Section 1034(d) of the National Defense Authorization Act for Fiscal Year 2008 (10 U.S.C. 272 note), relating to distribution of chemical and biological agents to non-Federal entities, is amended—

(1) by striking subsection (d); and

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

(d) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2009.—Section 1047(d) of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (10 U.S.C. 2366b note), relating to reports on bandwidth requirements for major defense acquisition programs, is amended—

(1) by striking paragraph (2);

(2) by striking "(d) FORMAL REVIEW PROCESS FOR BANDWIDTH REQUIREMENTS .—" and all that follows through "(1) IN GENERAL.—The Secretary" and inserting the following:

"(d) FORMAL REVIEW PROCESS FOR BANDWIDTH REQUIREMENTS.—The Secretary"; and

(3) by redesignating subparagraphs (A) and (B) as paragraphs (1) and (2), respectively, and indenting appropriately.

(e) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2011.—Section 1217 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (22 U.S.C. 7513 note), relating to authority to establish a program to develop and carry out infrastructure projects in Afghanistan, is amended—

(1) by striking subsection (i); and

(2) by redesignating subsection (j) as subsection (i).

(f) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2015.—Section 1026 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 127 Stat. 3490), relating to availability of funds for retirement of inactivation of Ticonderoga class cruisers or dock landing ships, is amended—

(1) by striking subsection (d); and

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

(g) CONFORMING AMENDMENTS.—Section 1061 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. 111 note) is amended—

(1) in subsection (c), by striking paragraphs (14), (16), (41), and (59);

(2) in subsection (d), by striking paragraph (3);

(3) in subsection (g), by striking paragraph (3); and

(4) in subsection (i), by striking paragraphs (15), (18), and (24).

SEC. 1050. REPORT ON POTENTIAL IMPROVEMENTS TO CERTAIN MILITARY EDUCATIONAL INSTITUTIONS OF THE DEPARTMENT OF DEFENSE.

(a) REPORT REQUIRED.—

(1) IN GENERAL.—Not later than December 1, 2019, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth the results of a review and assessment, obtained by the Secretary for purposes of the report, of the potential effects on the military education provided by the educational institutions of the Department of Defense specified in subsection (b) of the actions described in subsection (c).

(2) CONDUCTING ORGANIZATION.—The review and assessment required for purposes of the report shall be performed by an organization selected by the Secretary from among organizations independent of

the Department that have expertise in the analysis of matters in connection with higher education.

(b) EDUCATIONAL INSTITUTIONS OF THE DEPARTMENT OF DEFENSE.—The educational institutions of the Department of Defense specified in this subsection are the following:

(1) The senior level service schools and intermediate level service schools (as such terms are defined in section 2151(b) of title 10, United States Code).

(2) The Air Force Institute of Technology.

(3) The National Defense University.

(4) The Joint Special Operations University.

(5) The Army Armament Graduate School.

(6) Any other military educational institution of the Department specified by the Secretary for purposes of this section.

(c) ACTIONS.—The actions described in this subsection with respect to the educational institutions of the Department of Defense specified in subsection (b) are the following:

(1) Modification of admission and graduation requirements.

(2) Reduction or expansion of degree-granting authority.

(3) Reduction or expansion of the acceptance of research grants.

(4) Reduction of the number of attending students generally.

(5) Reduction of the number of attending students through the sponsoring of education of an increased number of students at non-Department of Defense education institutions of higher education.

(6) Increase in the frequency of curriculum changes to account for emerging subject matters of importance to national defense.

(7) Modification of civilian faculty management practices, including employment practices.

(d) ADDITIONAL ELEMENTS.—In addition to the matters described in subsection (a), the review and report under this section shall also include the following:

(1) A comparison of admission standards and graduation requirements of the educational institutions of the Department of Defense specified in subsection (b) with admission standards and graduation requirements of public and private institutions of higher education that are comparable to the educational institutions of the Department of Defense.

(2) A comparison of the goals and missions of the educational institutions of the Department of De-

fense specified in subsection (b) with the goals and missions of such public and private institutions of higher education.

(3) Any other matters the Secretary considers appropriate for purposes of this section.

SEC. 1051. RECRUITING COSTS OF THE ARMED FORCES.

(a) BRIEFING REQUIRED.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall brief the Committees on Armed Services of the Senate and the House of Representatives on the results of a study, conducted by the Secretary for purposes of the briefing, on the costs of the Armed Forces in recruiting for members of the Armed Forces.

(b) ELEMENTS.—The briefing required by subsection (a) shall include the following:

(1) A description of the recruiting costs of each Armed Force in each of fiscal years 2010 through 2019.

(2) An estimate of the recruiting costs of each Armed Force in each of fiscal years 2020 through 2024.

(3) A description of the factors that contributed significantly to the recruiting costs of the Armed Forces during fiscal years 2010 through 2019.

(4) Any other matters in connection with the recruiting costs of the Armed Forces that the Secretary considers appropriate.

Subtitle F—Other Matters

SEC. 1061. AUTHORITY TO TRANSFER FUNDS FOR BIEN HOA DIOXIN CLEANUP.

(a) TRANSFER AUTHORITY.—Notwithstanding section 2215 of title 10, United States Code, the Secretary of Defense may transfer to the Secretary of State, for use by the United States Agency for International Development, amounts to be used for the Bien Hoa dioxin cleanup in Vietnam.

(b) LIMITATION ON AMOUNTS.—Not more than $15,000,000 may be transferred in each of fiscal years 2019 through 2027 under the authority in subsection (a).

(c) SOURCE OF FUNDS.—The Secretary of Defense may transfer funds appropriated to the Department of Defense for "Operation and Maintenance, Defense-wide" under the authority in subsection (a) .

(d) ADDITIONAL TRANSFER AUTHORITY.—The transfer authority provided under subsection (a) is in addition to any other transfer authority available to the Department of Defense.

SEC. 1062. IMPROVEMENT OF DATABASE ON EMERGENCY RESPONSE CAPABILITIES.

(a) IN GENERAL.—Section 1406 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 120 Stat. 2436; 10 U.S.C. 113 note) is amended—

(1) by inserting before "The Secretary" the following: "(a) DATABASE REQUIRED.—";

(2) in subsection (a), as designated by paragraph (1)—

(A) in paragraph (1)—

(i) by striking "each States's National Guard, as reported by the States" and inserting "the National Guard of each State and Territory, as reported by the States and Territories"; and

(ii) by inserting "and Territories" after "their home States"; and

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

"(3) Cyber capabilities of the National Guard identified by the Department as critical for response to domestic natural or manmade disasters.

"(4) Cyber capabilities of the other reserve components of the Armed Forces identified by the Depart-

ment as critical for response to domestic natural or manmade disasters.”; and

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

“(b) INFORMATION REQUIRED TO KEEP DATABASE CURRENT.—In maintaining the database required by subsection (a), the Secretary shall identify and revise the information required to be included in the database at least once every two years for purposes of keeping the database current.”.

(b) ESTABLISHMENT OF DATABASE.—

(1) DEADLINE FOR ESTABLISHMENT.—The Secretary of Defense shall establish the database required by section 1406 of the John Warner National Defense Authorization Act for Fiscal Year 2007, as amended by subsection (a), by not later than one year after the date of the enactment of this Act.

(2) USE OF EXISTING DATABASE OR SYSTEM FOR CERTAIN CAPABILITIES.—The Secretary may meet the requirement with respect to the capabilities described in subsection (a)(1) of section 1406 of the John Warner National Defense Authorization Act for Fiscal Year 2007, as so amended, in connection with the database required by that section through use or modification of a current database or tracking system

of the Department of Defense if the Secretary determines that such action will—

(A) expedite compliance with the requirement; and

(B) achieve such compliance at a cost not greater than the cost of establishing anew the database otherwise covered by the requirement.

SEC. 1063. ACCEPTANCE AND DISTRIBUTION BY DEPARTMENT OF DEFENSE OF ASSISTANCE FROM CERTAIN NONPROFIT ENTITIES IN SUPPORT OF MISSIONS OF DEPLOYED UNITED STATES PERSONNEL AROUND THE WORLD.

(a) FINDING.—The Senate finds that Spirit of America, a privately-funded, nonpartisan, nonprofit organization, acting in partnership with the Department of Defense, has made an important contribution in supporting the missions of deployed United States personnel around the world.

(b) SENSE OF SENATE.—It is the sense of the Senate that United States military commanders should, consistent with applicable laws, regulations, and guidance developed consistent with section 1088 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), collaborate with and provide transportation and other logistical support to covered non-Federal entities, including

Spirit of America, to advance the military missions of the Armed Forces.

(c) DISTRIBUTION OF COVERED NON-FEDERAL ENTITY ASSISTANCE ABROAD THROUGH DEPARTMENT OF DEFENSE.—

(1) ACCEPTANCE AND COORDINATION OF ASSISTANCE.—The Department of Defense (including members of the Armed Forces) may, at the discretion of the Secretary of Defense and in accordance with guidance issued by the Secretary and developed in coordination with the Secretary of State and the Administrator of the United States Agency for International Development—

(A) accept from any covered non-Federal entity humanitarian, economic, and other non-lethal assistance funded by private funds in the carrying out of the purposes of such entity; and

(B) respond to requests from covered non-Federal entities for the identification of the needs of local populations abroad for assistance, and coordinate with such entitites in the provision and distribution of such assistance, in the carrying out of such purposes.

(2) DISTRIBUTION OF ASSISTANCE TO LOCAL POPULATIONS.—In accordance with guidance issued

by the Secretary of Defense, and developed in coordination with the Secretary of State and the Administrator of the United States Agency for International Development, members of the Armed Forces abroad may provide to local populations abroad humanitarian, economic, and other nonlethal assistance provided to the Department by a covered non-Federal entity pursuant to this subsection.

(3) SCOPE OF GUIDANCE.—The guidance issued pursuant to this subsection shall ensure that any assistance distributed pursuant to this subsection shall be for purposes of supporting the mission or missions of the Department and the Armed Forces for which such assistance is provided by a covered non-Federal entity.

(4) DOD SUPPORT FOR ENTITY ACTIVITIES.—In accordance with guidance issued by the Secretary of Defense, the Department, and the Armed Forces may—

(A) provide transportation, lodging, storage, and other logistical support—

(i) to personnel of a covered non-Federal entity (whether in the United States or abroad) who are carrying out the purposes of such entity; and

(ii) in connection with the acceptance and distribution of assistance provided by a covered non-Federal entity; and

(B) use assets of the Department and the Armed Forces in the provision of support described in subparagraph (A).

(d) COVERED NON-FEDERAL ENTITY DEFINED.—In this section, the term "covered non-Federal entity" means the following:

(1) Spirit of America, a privately-funded, nonpartisan, nonprofit organization described in section 501(c)(3) of the Internal Revenue Code of 1986 that is exempt from taxation under section 501(a) of such Code.

(2) Any other organization that—

(A) is based in the United States;

(B) has an independent board of directors and is subject to independent financial audits;

(C) is substantially privately-funded;

(D) is described in section 501(c)(3) of the Internal Revenue Code of 1986 and is exempt from taxation under section 501(a) of such Code; and

(E) provides international assistance.

SEC. 1064. UNITED STATES POLICY WITH RESPECT TO FREEDOM OF NAVIGATION AND OVERFLIGHT.

(a) DECLARATION OF POLICY.—It is the policy of the United States to fly, sail, and operate throughout the oceans, seas, and airspace of the world wherever international law allows.

(b) IMPLEMENTATION OF POLICY.—In furtherance of the policy set forth in subsection (a), the Secretary of Defense should—

(1) plan and execute a robust series of routine and regular air and naval presence missions throughout the world and throughout the year, including for critical transportation corridors and key routes for global commerce;

(2) in addition to the missions executed pursuant to paragraph (1), execute routine and regular air and maritime freedom of navigation operations throughout the year, in accordance with international law, including the use of expanded military options and maneuvers beyond innocent passage; and

(3) to the maximum extent practicable, execute the missions pursuant to paragraphs (1) and (2) with regional partner countries and allies of the United States.

SEC. 1065. PROHIBITION OF FUNDS FOR CHINESE LANGUAGE INSTRUCTION PROVIDED BY A CONFUCIUS INSTITUTE.

(a) PROHIBITION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 under this Act may be obligated or expended for Chinese language instruction provided by a Confucius Institute.

(b) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 under this Act may be obligated or expended to support a Chinese language program at an institution of higher education that hosts a Confucius Institute.

(c) WAIVER.—The Under Secretary of Defense for Personnel and Readiness may waive the limitation in subsection (b) with respect to a Chinese language program at a specific institution of higher education if the Under Secretary of Defense for Personnel and Readiness—

(1) certifies to the congressional defense committees that—

(A) Confucius Institute employees and instructors will have no affiliation with the program;

(B) Confucius Institute employees and instructors will provide no instruction or support to the program;

(C) Confucius Institute employees and instructors will have no authority or influence with regard to the curriculum and activities of the program; and

(D) the institution has made publicly available all memoranda of understanding, contracts, and other agreements between the institution and the Confucius Institute, or between the institution and any agency of or organization affiliated with the government of the People's Republic of China; or

(2) certifies to the congressional defense committees that—

(A) the requirements described in subparagraphs (A) through (C) of paragraph (1) have been met; and

(B) the waiver of the limitation in subsection (b) is necessary for national security, and there is no reasonable alternative to issuing the waiver.

(d) DEFINITIONS.—

(1) CHINESE LANGUAGE PROGRAM.—The term "Chinese language program" means any Department of Defense program designed to provide or support Chinese language instruction, including the National

Security Education Program, the Language Flagship program, Project Global Officer, and the Language Training Centers program.

(2) CONFUCIUS INSTITUTE.—The term "Confucius Institute" means a Confucius Institute that is operated by the Office of Chinese Languages Council International, also known as Hanban, which is affiliated with the Ministry of Education of the People's Republic of China.

(3) 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 et seq.).

TITLE XI—CIVILIAN PERSONNEL MATTERS

Subtitle A—Department of Defense Matters

SEC. 1101. INAPPLICABILITY OF CERTIFICATION OF EXECUTIVE QUALIFICATIONS BY QUALIFICATION REVIEW BOARDS OF OFFICE OF PERSONNEL MANAGEMENT FOR INITIAL APPOINTMENTS TO SENIOR EXECUTIVE SERVICE POSITIONS IN DEPARTMENT OF DEFENSE.

(a) TEMPORARY INAPPLICABILITY.—Notwithstanding section 3393(c) of title 5, United States Code, or any regula-

tions implementing that section, and subject to the provisions of this section, the Secretary of Defense may appoint individuals for service in the Senior Executive Service of the Department of Defense without such individuals being subject to the certification of executive qualifications by a qualification review board of the Office of Personnel Management in connection with such appointment otherwise required by that section.

(b) QUALIFICATIONS OF INDIVIDUALS APPOINTED.—The Secretary shall ensure that individuals appointed under this section possess the necessary qualifications and experience for the position to which appointed.

(c) LIMITATION.—The total number of appointments made under this section in any year may not exceed 50 appointments.

(d) REPORTS.—

(1) INITIAL REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the committees of Congress and official specified in paragraph (3) a report on the number and type of appointments made under this section as of the date of the report, including—

(A) a description of the qualifications of the individuals appointed; and

(B) data on the time required to appoint the individuals.

(2) FINAL REPORT.—Not later than two years after the date of the enactment of this Act, the Secretary shall submit to the committees of Congress and official specified in paragraph (3) a report on the use of the authority in this section. The report shall include the following:

(A) The number and type of appointments made under this section during the one-year period ending on the date of the report.

(B) Data on and an assessment whether appointments under the authority in this section reduced the time to hire when compared with the time to hire under the current review system of the Office of Personnel Management.

(C) An assessment of the utility of the appointment authority and process under this section.

(D) An assessment whether the appointments made under this section resulted in higher quality new executives for the Senior Executive Service of the Department when compared with the executives produced under the current review system of the Office of Personnel Management.

(E) Any recommendation for the improvement of the selection and qualification process for the Senior Executive Service of the Department that the Secretary considers necessary in order to attract and hire highly qualified candidates for service in that Senior Executive Service.

(3) COMMITTEES OF CONGRESS AND OFFICIAL.—The committees of Congress and official specified in this paragraph are—

(A) the Committee on Armed Services and the Committee on Homeland Security and Governmental Affairs of the Senate;

(B) the Committee on Armed Services and the Committee on Oversight and Government Reform of the House of Representatives; and

(C) the Director of the Office of Personnel Management.

(e) SUNSET.—Subsection (a) shall cease to be effective on the date that is two years after the date of the enactment of this Act.

SEC. 1102. DIRECT HIRE AUTHORITY FOR SCIENCE AND TECHNOLOGY REINVENTION LABORATORIES AND MAJOR RANGE AND TEST FACILITIES BASE FACILITIES FOR RECENT SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS GRADUATES OF MINORITY-SERVING INSTITUTIONS.

(a) AUTHORITY TO MAKE DIRECT APPOINTMENTS.—The director of any facility specified in subsection (b) may appoint any qualified recent graduate of a covered educational institution with a degree in science, technology, engineering, or mathematics to a position at such facility described in subsection (d) without regard to the provisions of subchapter I of chapter 33 of title 5, United States Code.

(b) FACILITIES.—A facility specified in this subsection is any facility as follows:

(1) A science and technology reinvention laboratory of the Department of Defense, as designated pursuant to section 1105(a) of the National Defense Authorization Act for Fiscal Year 2010 (10 U.S.C. 2358 note).

(2) A facility of the Major Range and Test Facilities Base of the Department.

(c) RECENT GRADUATES.—For purposes of this section, a person is a recent graduate of a covered educational institution if—

(1) the person was awarded a degree by the institution not more than two years before the date of the appointment of the person pursuant to this section; or

(2) in the case of any person who has completed a period of obligated service in a uniformed service of more than four years as of the date the appointment of the person pursuant to this section, the person was awarded a degree by the institution not more than four years before such date of appointment.

(d) COVERED POSITIONS.—The positions to which persons may be appointed pursuant to this section at a facility specified in subsection (b) are scientific and engineering positions at the facility.

(e) DURATION OF APPOINTMENT.—Any appointment pursuant to this section may be made on a temporary, term, or permanent basis, at the election of the director of the facility making such appointment.

(f) COVERED EDUCATIONAL INSTITUTION DEFINED.—In this section, the term "covered educational institution" has the meaning given that term in section 2362(e) of title 10, United States Code.

(g) SUNSET.—

(1) IN GENERAL.—The authority to make appointments under this section shall expire on the date

that is five years after the date of the enactment of this Act.

(2) CONSTRUCTION.—Nothing in paragraph (1) shall be construed to terminate an appointment made under this section before the expiration date provided in that paragraph in accordance with the terms of such appointment.

SEC. 1103. INCLUSION OF STRATEGIC CAPABILITIES OFFICE AND DEFENSE INNOVATION UNIT EXPERIMENTAL OF THE DEPARTMENT OF DEFENSE IN PERSONNEL MANAGEMENT AUTHORITY TO ATTRACT EXPERTS IN SCIENCE AND ENGINEERING.

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

"(4) STRATEGIC CAPABILITIES OFFICE.—The Director of the Strategic Capabilities Office 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 Office.

"(5) DIUx.—The Director of the Defense Innovation Unit Experimental may carry out a program of personnel management authority provided in sub-

section (b) in order to facilitate recruitment of eminent experts in science or engineering for the Unit.".

(b) SCOPE OF APPOINTMENT AUTHORITY.—Subsection (b)(1) of such section is amended—

(1) in subparagraph (B), by striking "and" at the end; and

(2) by adding at the end the following new subparagraphs:

"(D) in the case of the Strategic Capabilities Office, appoint scientists and engineers to a total of not more than 5 scientific and engineering positions in the Office; and

"(E) in the case of the Defense Innovation Unit Experimental, appoint scientists and engineers to a total of not more than 5 scientific and engineering positions in the Unit;".

(c) EXTENSION OF TERMS OF APPOINTMENT.—Subsection (c)(2) of such section is amended by striking "or the Office of Operational Test and Evaluation" and inserting "the Office of Operational Test and Evaluation, the Strategic Capabilities Office, or the Defense Innovation Unit Experimental".

SEC. 1104. ENHANCEMENT OF FLEXIBLE MANAGEMENT AUTHORITIES FOR SCIENCE AND TECHNOLOGY REINVENTION LABORATORIES OF THE DEPARTMENT OF DEFENSE.

(a) ENHANCEMENT OF NONCOMPETITIVE CONVERSIONS OF APPOINTMENTS OF STUDENTS ENROLLED IN SCIENTIFIC AND ENGINEERING PROGRAMS.—Section 2358a(a)(4) of title 10, United States Code, is amended—

(1) in the paragraph heading, by striking "TO PERMANENT APPOINTMENT" and inserting "OF APPOINTMENTS"; and

(2) by striking "to a permanent appointment" and inserting "to another temporary appointment or to a term or permanent appointment".

(b) ENHANCEMENT OF PILOT PROGRAM ON DYNAMIC SHAPING OF WORKFORCE TECHNICAL SKILLS AND EXPERTISE.—Section 1109(b)(1)(A) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1028; 10 U.S.C. 2358 note) is amended by striking "to appoint" and all that follows and inserting "to make appointments as follows:

"(i) Appointment of qualified scientific and technical personnel who are not current Department of Defense civilian employees into any scientific or technical position in

the laboratory for a period of more than one year but not more than six years.

"(ii) Appointment of qualified scientific and technical personnel who are Department civilian employees in term appointments into any scientific or technical position in the laboratory for a period of more than one year but not more than six years.".

SEC. 1105. INCLUSION OF OFFICE OF SECRETARY OF DEFENSE AMONG COMPONENTS OF THE DEPARTMENT OF DEFENSE COVERED BY DIRECT HIRE AUTHORITY FOR FINANCIAL MANAGEMENT EXPERTS.

Section 1110(f) of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. 1580 note prec.) is amended—

(1) by redesignating paragraphs (1) through (9) as paragraphs (2) through (10), respectively; and

(2) by inserting before paragraph (2) the following new paragraph (1):

"(1) The Office of the Secretary of Defense.".

SEC. 1106. AUTHORITY TO EMPLOY CIVILIAN FACULTY MEMBERS AT THE JOINT SPECIAL OPERATIONS UNIVERSITY.

Section 1595(c) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(5) The Joint Special Operations University.".

Subtitle B—Government-Wide Matters

SEC. 1121. ALCOHOL TESTING OF CIVIL SERVICE MARINERS OF THE MILITARY SEALIFT COMMAND ASSIGNED TO VESSELS.

(a) ALCOHOL TESTING.—Chapter 643 of title 10, United States Code, is amended by inserting after section 7479 the following new section:

"§ 7479a. Civil service mariners of Military Sealift Command: alcohol testing

"The Secretary of the Navy may prescribe regulations establishing a program to conduct on-duty reasonable suspicion alcohol testing and post-accident alcohol testing of civil service mariners of the Military Sealift Command who are assigned to vessels.".

(b) RELEASE OF ALCOHOL TEST RESULTS.—

(1) IN GENERAL.—Section 7479 of such title is amended—

(A) in the heading of subsection (a), by inserting "OR ALCOHOL" after "DRUG"; and

(B) by inserting "or alcohol" after "drug" each place it appears.

(2) HEADING AMENDMENT.—The heading of such section is amended to read as follows:

"§ 7479. Civil service mariners of Military Sealift Command: release of drug and alcohol test results to Coast Guard".

(c) TABLE OF SECTIONS AMENDMENT.—The table of sections at the beginning of chapter 643 of such title is amended by striking the item relating to section 7479 and inserting the following new items:

"7479. Civil service mariners of Military Sealift Command: release of drug and alcohol test results to Coast Guard.
"7479a. Civil service mariners of Military Sealift Command: alcohol testing.".

SEC. 1122. EXPEDITED HIRING AUTHORITY FOR COLLEGE GRADUATES AND POST SECONDARY STUDENTS.

(a) IN GENERAL.—Subchapter I of chapter 31 of title 5, United States Code, is amended by adding at the end the following:

"§ 3115. Expedited hiring authority for college graduates; competitive service

"(a) DEFINITIONS.—In this section:

"(1) DIRECTOR.—The term 'Director' means the Director of the Office of Personnel Management.

"(2) INSTITUTION OF HIGHER EDUCATION.—The term 'institution of higher education' has the meaning

given the term in section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)).

"(b) APPOINTMENT.—

"(1) IN GENERAL.—The head of an agency may appoint, without regard to any provision of sections 3309 through 3319 and 3330, a qualified individual to a position in the competitive service classified in a professional or administrative occupational category at the GS–11 level, or an equivalent level, or below.

"(2) RESTRICTIONS.—An appointment under paragraph (1) shall be made in accordance with regulations prescribed by the Director.

"(c) QUALIFICATIONS FOR APPOINTMENT.—The head of an agency may make an appointment under subsection (b) only if the individual being appointed—

"(1) has received a baccalaureate or graduate degree from an institution of higher education;

"(2) applies for the position—

"(A) not later than 2 years after the date on which the individual being appointed received the degree described in paragraph (1); or

"(B) in the case of an individual who has completed a period of not less than 4 years of obligated service in a uniformed service, not later

than 2 years after the date of the discharge or release of the individual from that service; and

"(3) meets each minimum qualification standard prescribed by the Director for the position to which the individual is being appointed.

"(d) PUBLIC NOTICE AND ADVERTISING.—

"(1) IN GENERAL.—The head of an agency making an appointment under subsection (b) shall publicly advertise positions under this section.

"(2) REQUIREMENTS.—In carrying out paragraph (1), the head of an agency shall—

"(A) adhere to merit system principles;

"(B) advertise positions in a manner that provides for diverse and qualified applicants; and

"(C) ensure potential applicants have appropriate information relevant to the positions available.

"(e) LIMITATION ON APPOINTMENTS.—

"(1) IN GENERAL.—Except as provided in paragraph (2), the total number of employees that the head of an agency may appoint under this section during a fiscal year may not exceed the number equal to 15 percent of the number of individuals that the agency head appointed during the previous fiscal year

to a position in the competitive service classified in a professional or administrative occupational category, at the GS–11 level, or an equivalent level, or below, under a competitive examining procedure.

"(2) EXCEPTIONS.—Under a regulation prescribed under subsection (f), the Director may establish a lower limit on the number of individuals that may be appointed under paragraph (1) of this subsection during a fiscal year based on any factor the Director considers appropriate.

"(f) REGULATIONS.—Not later than 180 days after the date of enactment of this section, the Director shall issue interim regulations, with an opportunity for comment, for the administration of this section.

"(g) REPORTING.—

"(1) IN GENERAL.—Not later than September 30 of each of the first 3 fiscal years beginning after the date of enactment of this section, the head of an agency that makes an appointment under this section shall submit a report to—

"(A) Congress that assesses the impact of the use of the authority provided under this section during the fiscal year in which the report is submitted; and

"(B) the Director that contains data that the Director considers necessary for the Director to assess the impact and effectiveness of the authority described in subparagraph (A).

"(2) CONTENT.—The head of an agency shall include in each report under paragraph (1)—

"(A) the total number of individuals appointed by the agency under this section, as well as the number of such individuals who are—

"(i) minorities or members of other underrepresented groups; or

"(ii) veterans;

"(B) recruitment sources;

"(C) the total number of individuals appointed by the agency during the applicable fiscal year to a position in the competitive service classified in a professional or administrative occupational category at the GS–11 level, or an equivalent level, or below; and

"(D) any additional data specified by the Director.

"(h) SPECIAL PROVISION REGARDING THE DEPARTMENT OF DEFENSE.—

"(1) AUTHORITY.—Nothing in this section shall preclude the Secretary of Defense from exercising any

authority to appoint a recent graduate under section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. note prec. 1580), or any applicable successor statute.

"(2) REGULATIONS.—Any regulations prescribed by the Director for the administration of this section shall not apply to the Department of Defense during the period ending on the date on which the appointment authority of the Secretary of Defense under section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. note prec. 1580), or any applicable successor statute, terminates.

"§ 3116. Expedited hiring authority for post-secondary students; competitive service

"(a) DEFINITIONS.—In this section:

"(1) DIRECTOR.—The term 'Director' means the Director of the Office of Personnel Management.

"(2) INSTITUTION OF HIGHER EDUCATION.—The term 'institution of higher education' has the meaning given the term in section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)).

"(3) STUDENT.—The term 'student' means an individual enrolled or accepted for enrollment in an institution of higher education who is pursuing a baccalaureate or graduate degree on at least a part-time

basis as determined by the institution of higher education.

"(b) APPOINTMENT.—

"(1) IN GENERAL.—The head of an agency may make a time-limited appointment of a student, without regard to any provision of sections 3309 through 3319 and 3330, to a position in the competitive service at the GS–11 level, or an equivalent level, or below for which the student is qualified.

"(2) RESTRICTIONS.—An appointment under paragraph (1) shall be made in accordance with regulations prescribed by the Director.

"(c) PUBLIC NOTICE.—

"(1) IN GENERAL.—The head of an agency making an appointment under subsection (b) shall publicly advertise positions available under this section.

"(2) REQUIREMENTS.—In carrying out paragraph (1), the head of an agency shall—

"(A) adhere to merit system principles;

"(B) advertise positions in a manner that provides for diverse and qualified applicants; and

"(C) ensure potential applicants have appropriate information relevant to the positions available.

"(d) LIMITATION ON APPOINTMENTS.—

"(1) IN GENERAL.—Except as provided in paragraph (2), the total number of students that the head of an agency may appoint under this section during a fiscal year may not exceed the number equal to 15 percent of the number of students that the agency head appointed during the previous fiscal year to a position in the competitive service at the GS–11 level, or an equivalent level, or below.

"(2) EXCEPTIONS.—Under a regulation prescribed under subsection (g), the Director may establish a lower limit on the number of students that may be appointed under paragraph (1) of this subsection during a fiscal year based on any factor the Director considers appropriate.

"(e) CONVERSION.—The head of an agency may, without regard to any provision of chapter 33 or any other provision of law relating to the examination, certification, and appointment of individuals in the competitive service, convert a student serving in an appointment under subsection (b) to a permanent appointment in the competitive service within the agency without further competition if the student—

"(1) has completed the course of study leading to the baccalaureate or graduate degree;

"(2) has completed not less than 640 hours of current continuous employment in an appointment under subsection (b); and

"(3) meets the qualification standards for the position to which the student will be converted.

"(f) TERMINATION.—The head of an agency shall, without regard to any provision of chapter 35 or 75, terminate the appointment of a student appointed under subsection (b) upon completion of the designated academic course of study unless the student is selected for conversion under subsection (e).

"(g) REGULATIONS.—Not later than 180 days after the date of enactment of this section, the Director shall issue interim regulations, with an opportunity for comment, for the administration of this section.

"(h) REPORTING.—

"(1) IN GENERAL.—Not later than September 30 of each of the first 3 fiscal years beginning after the date of enactment of this section, the head of an agency that makes an appointment under this section shall submit a report to—

"(A) Congress that assesses the impact of the use of the authority provided under this section during the fiscal year in which the report is submitted; and

"(B) the Director that contains data that the Director considers necessary for the Director to assess the impact and effectiveness of the authority described in subparagraph (A).

"(2) CONTENT.—The head of an agency shall include in each report under paragraph (1)—

"(A) the total number of individuals appointed by the agency under this section, as well as the number of such individuals who are—

"(i) minorities or members of other underrepresented groups; or

"(ii) veterans;

"(B) recruitment sources;

"(C) the total number of individuals appointed by the agency during the applicable fiscal year to a position in the competitive service at the GS–11 level, or an equivalent level, or below; and

"(D) any additional data specified by the Director.

"(i) SPECIAL PROVISION REGARDING THE DEPARTMENT OF DEFENSE.—

"(1) AUTHORITY.—Nothing in this section shall preclude the Secretary of Defense from exercising any authority to appoint a post-secondary student under

section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. note prec. 1580), or any applicable successor statute.

"(2) REGULATIONS.—Any regulations prescribed by the Director for the administration of this section shall not apply to the Department of Defense during the period ending on the date on which the appointment authority of the Secretary of Defense under section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. note prec. 1580), or any applicable successor statute, terminates.".

(b) TABLE OF SECTIONS AMENDMENT.—The table of sections for subchapter I of chapter 31 of title 5, United States Code, is amended by adding at the end the following:

"3115. Expedited hiring authority for college graduates; competitive service.
"3116. Expedited hiring authority for post-secondary students; competitive service.".

SEC. 1123. INCREASE IN MAXIMUM AMOUNT OF VOLUNTARY SEPARATION INCENTIVE PAY AUTHORIZED FOR CIVILIAN EMPLOYEES.

(a) IN GENERAL.—Section 3523 of title 5, United States Code, is amended—

(1) in subsection (b)(3)(B), by striking "$25,000" and inserting "$40,000 (as adjusted in accordance with subsection (c))"; and

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

"(c)(1) On March 1 each year, the dollar amount specified in subsection (b)(3)(B) shall be adjusted by the amount determined by the Secretary of Labor to represent the percentage increase, if any, between the Consumer Price Index (all items; United States city average) published for December of the preceding year and that price index published for the December of the year before the preceding year.

"(2) A percentage increase under paragraph (1) shall be adjusted to the nearest one-tenth of one percent, and an amount determined under paragraph (1) shall be rounded to the nearest multiple of $1,000 (or, if midway between multiples of $1,000, to the next higher multiple of $1,000).".

(b) DEPARTMENT OF DEFENSE EMPLOYEES.—Section 9902(f)(5) of such title is amended—

(1) in subparagraph (A)(ii), by striking "$25,000" and inserting "an amount determined by the Secretary, not to exceed $40,000 (as adjusted under subparagraph (D)"; and

(2) by adding at the end the following:

"(D)(i) On March 1 each year, the dollar amount specified in subparagraph (A)(ii) shall be adjusted by the amount determined by the Secretary of Labor to represent the percentage increase, if any, between the Consumer Price Index (all items; United States city average) published for

December of the preceding year and that price index published for the December of the year before the preceding year.

"(ii) A percentage increase under clause (i) shall be adjusted to the nearest one-tenth of one percent, and an amount determined under clause (i) shall be rounded to the nearest multiple of $1,000 (or, if midway between multiples of $1,000, to the next higher multiple of $1,000).".

SEC. 1124. ONE-YEAR EXTENSION OF TEMPORARY AUTHORITY TO GRANT ALLOWANCES, BENEFITS, AND GRATUITIES TO CIVILIAN PERSONNEL ON OFFICIAL DUTY IN A COMBAT ZONE.

Paragraph (2) of section 1603(a) of the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Hurricane Recovery, 2006 (Public Law 109–234; 120 Stat. 443), as added by section 1102 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat. 4616) and most recently amended by section 1108 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended by striking "2019" and inserting "2020".

SEC. 1125. ONE-YEAR EXTENSION OF AUTHORITY TO WAIVE ANNUAL LIMITATION ON PREMIUM PAY AND AGGREGATE LIMITATION ON PAY FOR FEDERAL CIVILIAN EMPLOYEES WORKING OVERSEAS.

Subsection (a) of section 1101 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat. 4615), as most recently amended by section 1105 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended by striking "through 2018" and inserting "through 2019".

TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

Subtitle A—Assistance and Training

SEC. 1201. CLARIFICATION OF AUTHORITY FOR USE OF ADVISORS AND TRAINERS FOR TRAINING OF PERSONNEL OF FOREIGN MINISTRIES WITH SECURITY MISSIONS UNDER DEFENSE INSTITUTION CAPACITY BUILDING AUTHORITIES.

Section 332(b) of title 10, United States Code, is amended—

(1) in paragraph (1), by striking "assign civilian employees of the Department of Defense and members of the armed forces as advisors and train-

ers" and inserting "provide advisors or trainers"; and

(2) in paragraph (2)(B)—

(A) by striking "assigned" each place it appears (other than the last place) and inserting "provided";

(B) by striking "assigned advisor or trainer" and inserting "advisor or trainer so provided"; and

(C) by striking "each assignment" and inserting "each provision of such an advisor or trainer".

SEC. 1202. MODIFICATION TO DEPARTMENT OF DEFENSE STATE PARTNERSHIP PROGRAM.

Section 341(b)(2) of title 10, United States Code, is amended by inserting "assistance" after "any".

SEC. 1203. EXPANSION OF REGIONAL DEFENSE COMBATING TERRORISM FELLOWSHIP PROGRAM TO INCLUDE IRREGULAR WARFARE.

(a) IN GENERAL.—Section 345 of title 10, United States Code, is amended—

(1) by redesignating subsections (b) and (c) as subsections (c) and (d), respectively;

(2) by striking subsection (a) and inserting the following new subsections (a) and (b):

"(a) PROGRAM AUTHORIZED.—

"(1) IN GENERAL.—The Secretary of Defense may carry out a program under which the Secretary may pay any costs associated with the education and training of foreign military officers, ministry of defense officials, or security officials at military or civilian educational institutions, regional centers, conferences, seminars, or other training programs conducted for purposes of regional defense in connection with either of the following:

"(A) Combating terrorism.

"(B) Irregular warfare.

"(2) COVERED COSTS.—Costs for which payment may be made under this section include the costs of transportation and travel and subsistence costs.

"(3) DESIGNATION.—The program authorized by this section shall be known as the 'Regional Defense Combating Terrorism and Irregular Warfare Fellowship Program'.

"(b) REGULATIONS.—

"(1) IN GENERAL.—The program authorized by subsection (a) shall be carried out under regulations prescribed by the Secretary of Defense.

"(2) ELEMENTS.—The regulations shall ensure that—

"(A) the Secretary of Defense and the Secretary of State—

"(i) jointly develop and plan activities under the program that—

"(I) advance United States security cooperation objectives; and

"(II) support theater security cooperation planning of the combatant commands; and

"(ii) coordinate on the implementation of activities under the program;

"(B) each of the Secretary of Defense and the Secretary of State designates an individual at the lowest appropriate level of the Department of Defense or the Department of State, as applicable, who shall be responsible for program coordination; and

"(C) to the extent practicable, activities under the program are appropriately coordinated with, and do not duplicate or conflict with, activities under International Military Education and Training (IMET) authorities.

"(3) SUBMITTAL TO CONGRESS.—Upon any update of the regulations, the Secretary of Defense shall submit to the Committees on Armed Services of the

Senate and the House of Representatives a copy of the regulations as so updated, together with a description of the update."; and

(3) in paragraph (3) of subsection (d), as redesignated by paragraph (1) of this subsection, by striking "in the global war on terrorism".

(b) CONFORMING AMENDMENTS.—

(1) HEADING AMENDMENT.—The heading of such section is amended to read as follows:

"§ 345. Regional Defense Combating Terrorism and Irregular Warfare Fellowship Program".

(2) TABLE OF SECTIONS AMENDMENT.—The table of sections at the beginning of subchapter V of chapter 16 of such title is amended by striking the item relating to section 345 and inserting the following new item:

"345. Regional Defense Combating Terrorism and Irregular Warfare Fellowship Program.".

SEC. 1204. EXTENSION AND MODIFICATION OF AUTHORITY TO SUPPORT BORDER SECURITY OPERATIONS OF CERTAIN FOREIGN COUNTRIES.

(a) EXPANSION OF AUTHORITY.—Paragraph (1) of subsection (a) of section 1226 of the National Defense Authorization Act for Fiscal Year 2016 (22 U.S.C. 2151 note) is amended to read as follows:

"(1) IN GENERAL.—The Secretary of Defense, with the concurrence of the Secretary of State, is authorized to provide support on a reimbursement basis as follows:

"(A) To the Government of Jordan for purposes of supporting and enhancing efforts of the armed forces of Jordan to increase security and sustain increased security along the border of Jordan with Syria and Iraq.

"(B) To the Government of Lebanon for purposes of supporting and enhancing efforts of the armed forces of Lebanon to increase security and sustain increased security along the border of Lebanon with Syria.

"(C) To the Government of Egypt for purposes of supporting and enhancing efforts of the armed forces of Egypt to increase security and sustain increased security along the border of Egypt with Libya.

"(D) To the Government of Tunisia for purposes of supporting and enhancing efforts of the armed forces of Tunisia to increase security and sustain increased security along the border of Tunisia with Libya.

"(E) To the Government of Oman for purposes of supporting and enhancing efforts of the armed forces of Oman to increase security and sustain increased security along the border of Oman with Yemen.

"(F) To the Government of Pakistan for purposes of supporting and enhancing efforts of the armed forces of Pakistan to increase security and sustain increased security along the border of Pakistan with Afghanistan.".

(b) CERTIFICATION.—Subsection (d) of such section is amended to read as follows:

"(d) NOTICE AND CERTIFICATION BEFORE EXERCISE.—Not later than 15 days before providing support under the authority of subsection (a) to a country that has not previously received such support, the Secretary of Defense, in consultation with the Secretary of State, shall submit to the specified congressional committees a report that—

"(1) sets forth a full description of the support to be provided, including—

"(A) the purpose of such support;

"(B) the amount of support to be provided; and

"(C) the anticipated duration of the provision of such support; and

"(2) includes a certification that—

"(A) the recipient country has taken demonstrable steps to increase security along the border specified for such country in subsection (a); and

"(B) the provision of such support is in the interest of United States national security.".

(c) LIMITATION ON REIMBURSEMENT OF PAKISTAN.—Such section is further amended—

(1) by redesignating subsections (e) and (f) as subsections (g) and (h), respectively; and

(2) by inserting after subsection (d) the following new subsection (e):

"(e) LIMITATION ON REIMBURSEMENT OF PAKISTAN PENDING CERTIFICATION.—No amount of reimbursement support under subsection (a)(1)(F) is authorized to be disbursed to the Government of Pakistan unless the Secretary of Defense certifies to the congressional defense committees that the following conditions are met:

"(1) The military and security operations of Pakistan pertaining to border security and ancillary activities for which reimbursement is sought have been coordinated with United States military rep-

resentatives in advance of the execution of such operations and activities.

"(2) The goals and desired outcomes of each such operation or activity have been established and agreed upon in advance by the United States and Pakistan.

"(3) A process exists to verify the achievement of the goals and desired outcomes established in accordance with paragraph (2).

"(4) The Government of Pakistan is making an effort to actively coordinate with the Government of Afghanistan on issues relating to border security on the Afghanistan-Pakistan border.".

(d) QUARTERLY REPORTS.—Such section is further amended by inserting after subsection (e), as so designated by subsection (c) of this section, the following new subsection (f):

"(f) QUARTERLY REPORTS.—Not later than 30 days after the end of each fiscal quarter, the Secretary of Defense shall submit to the specified congressional committees a report on reimbursements pursuant to subsection (a) during the preceding fiscal quarter that includes—

"(1) an identification of each country reimbursed;

"(2) the date of each reimbursement;

"(3) a description of any partner nation border security efforts for which reimbursement was provided;

"(4) an assessment of the value of partner nation border security efforts for which reimbursement was provided;

"(5) the total amounts of reimbursement provided to each partner nation in the preceding four fiscal quarters; and

"(6) such other matters as the Secretary considers appropriate.".

(e) EXTENSION.—Subsection (h) of such section, as so redesignated, is amended by striking "December 31, 2019" and inserting "December 31, 2021".

SEC. 1205. LEGAL AND POLICY REVIEW OF ADVISE, ASSIST, AND ACCOMPANY MISSIONS.

(a) IN GENERAL.—Not later than 120 days after the date of the enactment of this Act, the Under Secretary of Defense for Policy shall, in coordination with the General Counsel of the Department of Defense and the commanders of appropriate combatant commands, submit to the congressional defense committees a report on a review, conducted for purposes of the report, of the legal and policy frameworks associated with advise, assist, and accompany missions by United States military personnel.

(b) ELEMENTS.—The report and review required by subsection (a) shall include the following:

(1) An analysis of the risks and benefits of United States military personnel conducting advise, assist, and accompany missions with foreign partner forces, and an assessment of the relation of such risks and benefits to United States security objectives.

(2) A review of execute orders in order to ensure that such orders comply with United States law for the employment of United States military personnel and capabilities to advise, assist, and accompany foreign partner forces.

(3) An assessment whether the legal and policy frameworks applicable to advise, assist, and accompany missions by United States military personnel are adequately communicated to and understood at all levels of operational command.

(4) An assessment whether approvals related to advise, assist, and accompany missions are taken at the appropriate level of command.

(5) A definition, and policy guidance, for the appropriate use in execute orders of each of the following:

(A) Advise

(B) Assist.

(C) Accompany.

(D) Collective self defense.

(E) Last point of cover and conceal.

(6) Any other matters the Under Secretary considers appropriate.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1206. TECHNICAL CORRECTIONS RELATING TO DEFENSE SECURITY COOPERATION STATUTORY REORGANIZATION.

(a) CHAPTER REFERENCES.—The following provisions of law are amended by striking "chapter 15" and inserting "chapter 13":

(1) Section 886(a)(5) of the Homeland Security Act of 2002 (6 U.S.C. 466(a)(5)).

(2) Section 332(a)(1) of the Consolidated Farm and Rural Development Act (7 U.S.C. 1982(a)(1)).

(3) Section 101(a)(13)(B) of title 10, United States Code.

(4) Section 115(i)(6) of title 10, United States Code.

(5) Section 12304(c)(1) of title 10, United States Code.

(6) Section 484C(c)(3)(C)(v)) of the Higher Education Act of 1965 (20 U.S.C. 1091c(c)(3)(C)(v)).

(b) SECTION REFERENCES.—

(1) Title 10, United States Code, is amended—

(A) in section 386(c)(1), by striking "Sections 311, 321, 331, 332, 333," and inserting "Sections 246, 251, 252, 253, 321,"; and

(B) in section 10541(b)(9), in the matter preceding subparagraph (A), by striking "sections 331, 332, 333," and inserting "sections 251, 252, 253,".

(2) Section 484C(c)(3)(C)(i) of the Higher Education Act of 1965 (20 U.S.C. 1091c(c)(3)(C)(i)) is amended by striking "section 331, 332," and inserting "section 251, 252,".

SEC. 1207. NAVAL SMALL CRAFT INSTRUCTION AND TECHNICAL TRAINING SCHOOL.

(a) SCHOOL AUTHORIZED.—

(1) IN GENERAL.—Subchapter V of chapter 16 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 351. Naval Small Craft Instruction and Technical Training School

"(a) IN GENERAL.—The Secretary of Defense may operate an education and training facility known as the

'Naval Small Craft Instruction and Technical Training School' (in this section referred to as the 'School').

"(b) DESIGNATION OF EXECUTIVE AGENT.—The Secretary of Defense shall designate the Secretary of a military department as the Department of Defense executive agent for carrying out the responsibilities of the Secretary of Defense under this section.

"(c) PURPOSE.—The purpose of the School shall be to provide to the military and other security forces of one or more friendly foreign countries education and training to increase professionalism, readiness, and respect for human rights through—

"(1) formal courses of instruction; and

"(2) mobile training teams for—

"(A) the operation, employment, maintenance, and logistics of specialized equipment;

"(B) participation in—

"(i) joint exercises; or

"(ii) coalition or international military operations; and

"(C) improved interoperability between—

"(i) the armed forces; and

"(ii) the military and other security forces of the one or more friendly foreign countries.

"(d) PERSONNEL ELIGIBLE TO RECEIVE EDUCATION AND TRAINING.—

"(1) LIMITATION.—The Secretary of Defense may not provide education or training at the School to any personnel of a country that is prohibited from receiving such education or training under any other provision of law.

"(2) CONSULTATION IN SELECTION.—The Secretary of Defense shall consult with the Secretary of State in the selection of foreign personnel to be provided education and training at the School.

"(e) FIXED COSTS.—The fixed costs of operation and maintenance of the School in a fiscal year may be paid from amounts made available for such fiscal year for operation and maintenance of the Department of Defense.

"(f) ANNUAL REPORT.—Not later than March 15 each year, the Secretary of Defense, in consultation with the Secretary of State, shall submit to the appropriate congressional committees a detailed report on the activities and operating costs of the School during the preceding fiscal year.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter V of chapter 16 of such title is amended by adding at the end the following new item:

"351. Naval Small Craft Instruction and Technical Training School.".

(b) REPORT REQUIRED.—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 that sets forth the following:

(1) The budget requirements for the operation and sustainment of the Naval Small Craft Instruction and Technical Training School authorized by section 351 of title 10, United States Code (as added by subsection (a)), during the period of the future-years defense program submitted to Congress in fiscal year 2019, including—

(A) a description of the budget requirements relating to the School for—

(i) Major Force Program–2; and

(ii) Major Force Program–11; and

(B) an identification of any other source of funding for the School.

(2) The anticipated requirements for facilities for the School.

(3) An identification of the Secretary of a military department designated by the Secretary of Defense as executive agent for the School under subsection (b) of such section.

(4) The anticipated military construction and facilities renovation requirements for the School during such period.

(5) Any other matter relating to the School that the Secretary of Defense considers appropriate.

(c) LIMITATION ON USE OF FUNDS.—

(1) IN GENERAL.—Nothing in section 351 of title 10, United States Code (as so added), may be construed as authorizing the use of funds appropriated for the Department of Defense for any purpose described in paragraph (2) unless specifically authorized by an Act of Congress other than that section or this Act.

(2) PURPOSES.—The purposes described in this paragraph are the following:

(A) The operation of a facility other than the Naval Small Craft Instruction and Technical Training School that is in operation as of the date of the enactment of this Act for the provision of education and training authorized to be provided by the School.

(B) The construction or expansion of any facility of the School.

Subtitle B—Matters Relating to Afghanistan and Pakistan

SEC. 1211. AFGHANISTAN SECURITY FORCES FUND.

(a) CONTINUATION OF PRIOR AUTHORITIES AND NOTICE AND REPORTING REQUIREMENTS.—Funds available to the Department of Defense for the Afghanistan Security Forces Fund for fiscal year 2019 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), as most recently amended by section 1521(d)(2)(A) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2577); and

(2) section 1521(d)(1) of the National Defense Authorization Act for Fiscal Year 2017.

(b) USE OF FUNDS.—Section 1513(b)(1) of the National Defense Authorization Act for Fiscal Year 2008 is amended by striking "security forces of Afghanistan" and inserting "security forces of the Ministry of Defense and the Ministry of the Interior of the Government of the Islamic Republic of Afghanistan".

(c) 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 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 Afghanistan, 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 security forces.

(3) ELEMENTS OF DETERMINATION.—In making a determination under paragraph (2) regarding equipment, the Commander of United States forces in Afghanistan shall consider alternatives to the acceptance of such equipment by the Secretary. An explanation of each determination, including the basis for the determination and the alternatives considered, shall be included in the relevant quarterly report required under paragraph (5).

(4) TREATMENT AS DEPARTMENT OF DEFENSE STOCKS.—Equipment accepted under the authority provided by paragraph (1) may be treated as stocks of the Department of Defense upon notification to the congressional defense committees of such treatment.

(5) QUARTERLY REPORTS ON EQUIPMENT DISPOSITION.—

(A) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act and every 90-day period thereafter during which the authority provided by paragraph (1) is exercised, the Secretary 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).

(iv) Section 1532(b) of the Carl Levin and Howard P. "Buck" McKeon National

Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3613).

(v) Section 1531(d) of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 127 Stat. 938; 10 U.S.C. 2302 note).

(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).

(d) 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 2019, it is the goal that $25,000,000, but in no event less than $10,000,000, shall be used for—

(A) the recruitment, integration, retention, training, and treatment of women in the Afghan National Defense and Security Forces; and

(B) the recruitment, training, and contracting of female security personnel for future elections.

(2) TYPES OF PROGRAMS AND ACTIVITIES.—Such programs and activities may include—

(A) efforts to recruit women into the Afghan National Defense and Security Forces, including the special operations forces;

(B) programs and activities of the Afghan Ministry of Defense Directorate of Human Rights and Gender Integration and the Afghan Ministry of Interior Office of Human Rights, Gender and Child Rights;

(C) development and dissemination of gender and human rights educational and training materials and programs within the Afghan Ministry of Defense and the Afghan Ministry of Interior;

(D) efforts to address harassment and violence against women within the Afghan National Defense and Security Forces;

(E) improvements to infrastructure that address the requirements of women serving in the Afghan National Defense and Security Forces, including appropriate equipment for female se-

curity 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.

(e) ASSESSMENT OF AFGHANISTAN PROGRESS ON SECURITY OBJECTIVES.—

(1) ASSESSMENT REQUIRED.—Not later than May 1, 2019, the Secretary of Defense shall, in consultation with the Secretary of State, submit to the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives and the Committee on Armed Services and the Committee on Foreign Relations of the Senate an assessment describing the progress of the Government of the Islamic Republic of Afghanistan toward meeting shared security objectives. In conducting such assessment, the Secretary of Defense shall consider each of the following:

(A) The extent to which the Government of Afghanistan has taken steps toward increased accountability and reducing corruption within the Ministries of Defense and Interior.

(B) The extent to which the capability and capacity of the Afghan National Defense and Security Forces have improved as a result of Afghanistan Security Forces Fund investment, including through training.

(C) The extent to which the Afghan National Defense and Security Forces have been able to increase pressure on the Taliban, al-Qaeda, the Haqqani network, and other terrorist organizations, including by re-taking territory, defending territory, and disrupting attacks.

(D) Whether or not the Government of Afghanistan is ensuring that supplies, equipment, and weaponry supplied by the United States are appropriately distributed to security forces charged with fighting the Taliban and other terrorist organizations.

(E) 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) Such other factors as the Secretaries consider appropriate.

(2) WITHHOLDING OF ASSISTANCE FOR INSUFFICIENT PROGRESS.—

(A) IN GENERAL.—If the Secretary of Defense determines, in coordination with the Secretary of State, pursuant to the assessment under paragraph (1) that the Government of Afghanistan has made insufficient progress, the Secretary of Defense may withhold assistance for the Afghan National Defense and Security Forces until such time as the Secretary determines sufficient progress has been made.

(B) NOTICE TO CONGRESS.—If the Secretary of Defense withholds assistance under subparagraph (A), the Secretary shall, in coordination with the Secretary of State, provide notice to Congress not later than 30 days after making the decision to withhold such assistance.

SEC. 1212. EXTENSION AND MODIFICATION OF AUTHORITY FOR REIMBURSEMENT OF CERTAIN COALITION NATIONS FOR SUPPORT PROVIDED TO UNITED STATES MILITARY OPERATIONS.

(a) EXTENSION.—Subsection (a) of section 1233 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 393), as most recently amended by section 1212 of the National Defense Authoriza-

tion Act for Fiscal Year 2018 (Public Law 115–91), is further amended—

(1) in the matter preceding paragraph (1), by striking "October 1, 2017, and ending on December 31, 2018" and inserting "October 1, 2018, and ending on December 31, 2019"; and

(2) by amending paragraph (2) to read as follows:

"(2) Pakistan for certain activities meant to enhance the security situation in the Afghanistan-Pakistan border region pursuant to section 1226 of the National Defense Authorization Act for Fiscal Year 2016 (22 U.S.C. 2151 note), as amended by the John S. McCain National Defense Authorization Act for Fiscal Year 2019.".

(b) MODIFICATION TO LIMITATIONS.—Subsection (d) of such section is amended—

(1) in paragraph (1)—

(A) in the first sentence—

(i) by striking "October 1, 2017, and ending on December 31, 2018" and inserting "October 1, 2018, and ending on December 31, 2019"; and

(ii) by striking "$900,000,000" and inserting "$350,000,000"; and

(B) by striking the second sentence; and

(2) by striking paragraph (3).

(c) REPEAL OF PROVISION RELATING TO REIMBURSEMENT TO PAKISTAN FOR SECURITY ENHANCEMENT ACTIVITIES.—Such section is further amended—

(1) by striking subsection (e); and

(2) by redesignating subsections (f) through (h) as subsections (e) through (g), respectively.

(d) NOTICE TO CONGRESS.—Paragraph (1) of subsection (e) of such section, as redesignated by subsection (c) of this section, is amended by striking the second sentence.

SEC. 1213. EXTENSION OF AUTHORITY TO TRANSFER DEFENSE ARTICLES AND PROVIDE DEFENSE SERVICES TO THE MILITARY AND SECURITY FORCES OF AFGHANISTAN.

(a) EXTENSION.—Subsection (h) of section 1222 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 1992), as most recently amended by section 1211 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 115–91), is further amended by striking "December 31, 2018" and inserting "December 31, 2019".

(b) EXCESS DEFENSE ARTICLES.—Subsection (i)(2) of such section, as so amended, is further amended by striking

"December 31, 2018" each place it appears and inserting "December 31, 2019".

SEC. 1214. MODIFICATION OF REPORTING REQUIREMENTS FOR SPECIAL IMMIGRANT VISAS FOR AFGHAN ALLIES PROGRAM.

Section 602 of the Afghan Allies Protection Act of 2009 (8 U.S.C. 1101 note) is amended—

(1) in subsection (b)—

(A) by striking paragraph (10);

(B) by redesignating paragraphs (11) through (16) as paragraphs (10) through (15), respectively;

(C) in paragraph (11)(A), as so redesignated, by striking "the National Defense Authorization Act for Fiscal Year 2014" and inserting "the John S. McCain National Defense Authorization Act for Fiscal Year 2019";

(D) in paragraph (12), as so redesignated, by striking "paragraph (12)(B)" and inserting "paragraph (11)(B)"; and

(E) in paragraph (13), as so redesignated, in the matter preceding subparagraph (A), by striking "a report to the" and all that follows through "House of Representatives" and insert-

ing "a report to the appropriate committees of Congress";

(2) by striking subsection (c); and

(3) by redesignating subsection (d) as subsection (c).

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

SEC. 1221. EXTENSION OF AUTHORITY TO PROVIDE ASSISTANCE TO COUNTER THE ISLAMIC STATE OF IRAQ AND SYRIA.

(a) EXTENSION.—Subsection (a) 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), as most recently amended by section 1222 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended by striking "December 31, 2019" and inserting "December 31, 2020".

(b) FUNDING.—Subsection (g) of such section 1236, as most recently so amended, is further amended—

(1) by striking "for the Department of Defense for Overseas Contingency Operations for fiscal year 2018" and inserting "for the Department of Defense for Overseas Contingency Operations for fiscal year 2019"; and

(2) by striking "$1,269,000,000" and inserting "$850,000,000".

(c) LIMITATION OF USE OF FISCAL YEAR 2019 FUNDS.—Of the amounts authorized to be appropriated for fiscal year 2019 by this Act for activities under the authority in section 1236 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by this section, not more than $450,000,000 may be obligated or expended for such activities until the date on which the Secretary of Defense has submitted to the congressional defense committees each of the following:

(1) The report on the United States strategy in Iraq required by the joint explanatory statement of the committee of the conference accompanying Conference Report 115–404.

(2) A report setting forth the following:

(A) An explanation of the purpose of a continuing United States military presence in Iraq, including—

(i) an explanation of the national security objectives of the United States with respect to Iraq;

(ii) a detailed description of—

(I) the size of a continuing United States military presence in Iraq; and

(II) the roles and missions associated with a continuing United States military presence in Iraq; and

(iii) a delineation of the responsibilities in connection with a continuing United States military presence in Iraq of—

(I) the Combined Joint Task Force Operation Inherent Resolve (or a successor task force);

(II) the Office of Security Cooperation in Iraq; and

(III) other United States embassy-based military personnel.

(B) An identification of the specific units of the Iraqi Security Forces to receive training and equipment or other support in fiscal year 2019.

(C) A plan for ensuring that any vehicles and equipment provided to the Iraqi Security Forces pursuant to that authority are maintained in subsequent fiscal years using funds of Iraq.

(D) An estimate, by fiscal year, of the funding anticipated to be required for support of the Iraqi Security Forces pursuant to that authority during the five fiscal years beginning with fiscal year 2020.

(E) A detailed plan for the obligation and expenditure of the funds requested for fiscal year 2019 for the Department of Defense for Operational Sustainment of the Iraqi Security Forces.

(F) A plan for the transition to the Government of Iraq of responsibility for funding for Operational Sustainment of the Iraqi Security Forces for fiscal years after fiscal year 2019.

(G) A description of any actions carried out under this paragraph.

SEC. 1222. EXTENSION AND MODIFICATION OF AUTHORITY TO PROVIDE ASSISTANCE TO THE VETTED SYRIAN OPPOSITION.

(a) EXTENSION.—Section 1209(a) 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 most recently amended by section 1221(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2485), is further

amended by striking "December 31, 2018" and inserting "December 31, 2019".

(b) LIMITATION ON USE OF FUNDS IN GENERAL.—

(1) LIMITATION.—None of the funds authorized to be appropriated for fiscal year 2019 for the Department of Defense may be obligated or expended for activities under the authority in section 1209 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by subsection (a), until the later of the following:

(A) The date on which the President submits the report on United States strategy in Syria required by section 1221 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

(B) The date that is 30 days after the date on which the Secretary of Defense submits the report described in paragraph (2).

(2) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report setting forth the following:

(A) A detailed description of the internal security forces of the vetted Syrian opposition to

be trained and equipped under such authority, including a description of their geographic locations, demographic profiles, political affiliations, current capabilities, and relation to the objectives under the authority in section 1209 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by subsection (a).

(B) A detailed description of planned capabilities, including categories of equipment, intended to be provided to the elements of the vetted Syrian opposition under such authority.

(C) A description of the planned level of engagement by United States forces with the elements of the vetted Syrian opposition after such elements of the vetted Syrian opposition have been trained and equipped under such authority, including the oversight of equipment provided under such authority and the activities conducted by such vetted Syrian opposition forces.

(D) An explanation of the processes and mechanisms for local commanders of the vetted Syrian opposition to exercise command and control of the elements of the vetted Syrian opposition after such elements of the vetted Syrian op-

position have been trained and equipped under such authority.

(E) An explanation of complementary local governance and other stabilization activities in areas in which elements of the local internal security forces trained and equipped under such authority will be operating and the relation of such local governance and other stabilization activities to the oversight of such security forces.

(c) ADDITIONAL LIMITATIONS ON USE OF FUNDS DURING FISCAL YEAR 2019.—

(1) CERTIFICATIONS IN CONNECTION WITH USE OF FUNDS.—Not later than 120 days after the date of the enactment of this Act, and every 120 days thereafter, the Secretary shall submit to the congressional defense committees a written certification on the following:

(A) Whether, during the 120-day period ending on the date of the certification, demonstrable progress was made—

(i) to retake control of territory in Syria from the Islamic State of Iraq and Syria (ISIS); or

(ii) to stabilize areas in Syria formerly held by the Islamic State of Iraq and Syria.

(B) Whether, during such period, the vetted Syrian opposition tasked with conducting local security operations that United States forces are training and equipping under the authority in section 1209 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by subsection (a), were demographically representative of the local communities and serve local governance bodies that are similarly representative of the local communities.

(C) Whether, during such period, the Department of Defense took actions to mitigate any pause in offensive operations against the Islamic State of Iraq and Syria through the training, equipping, and assistance of the vetted Syrian opposition.

(D) Whether, during such period, support provided under the authority referred to in subparagraph (B) was consistent with United States standards regarding respect for human rights, rule of law, and support for stable and equitable governance.

(E) Whether, during such period, members of the vetted Syrian opposition receiving support

under the authority referred to in subparagraph (B) continued to demonstrate respect for human rights and rule of law, violations of human rights and rule of law by such members were appropriately investigated, and the individuals responsible for such violations were appropriately held accountable.

(2) LIMITATION.—If the Secretary does not make a certification by the deadline for submittal required for the certification under paragraph (1), or is unable in the certification to certify each of the matters specified in that paragraph, no support may be provided to the vetted Syrian opposition under the authority in section 1209 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by subsection (a), during the period that—

(A) begins on the deadline for submittal of the certification (if the certification is not made) or the date of the certification (if the certification does not certify each of the matters), as applicable; and

(B) ends on the date on which a certification is submitted under paragraph (1) that certifies each of the matters.

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 2018" and inserting "fiscal year 2019".

(b) AMOUNT AVAILABLE.—

(1) IN GENERAL.—Such section is further amended—

(A) in subsection (c), by striking "fiscal year 2018 may not exceed $42,000,000" and inserting "fiscal year 2019 may not exceed $45,300,000"; and

(B) in subsection (d), by striking "fiscal year 2018" and inserting "fiscal year 2019".

(2) LIMITATION OF USE OF FISCAL YEAR 2019 FUNDS PENDING REPORTS.—Of the amount available for fiscal year 2019 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 25 percent of such amount may be obligated or expended for the Office of Security Cooperation in Iraq until 30 days after the later of—

(A) the date on which the report on the United States strategy on Iraq required by the joint explanatory statement of the committee of the conference accompanying Conference Report 115–404 is submitted to the congressional defense committees; and

(B) the date on which the report required under subsection (c) is submitted to the appropriate committees of Congress.

(c) REPORT.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in cooperation with the Secretary of State, shall submit to the appropriate committees of Congress a report on the Office of Security Cooperation in Iraq.

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

(A) A description of the enduring planned size and missions of the Office of Security Cooperation in Iraq after the cessation of major combat operations against the Islamic State of Iraq and Syria.

(B) A description of the relationship between the Office of Security Cooperation in Iraq

and any planned enduring presence of other United States forces in Iraq.

(C) A detailed description of any activity to be conducted by the Office of Security Cooperation in Iraq in fiscal year 2019.

(D) A plan and timeline for the normalization of the Office of Security Cooperation in Iraq to conform to other offices of security cooperation, including the transition of funding from the Department of Defense to the Department of State by the beginning of fiscal year 2020.

(E) Such other matters with respect to the Office of Security Cooperation in Iraq as the Secretary of Defense and the Secretary of State consider appropriate.

(d) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

(1) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

(2) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1224. SYRIA STUDY GROUP.

(a) ESTABLISHMENT.—There is established a working group to be known as the "Syria Study Group" (in this section referred to as the "Group").

(b) PURPOSE.—The purpose of the Group is to examine and make recommendations on the military and diplomatic strategy of the United States with respect to the conflict in Syria.

(c) COMPOSITION.—

(1) MEMBERSHIP.—The Group shall be composed of 12 members, who shall be appointed as follows:

(A) One member appointed by the chair of the Committee on Armed Services of the Senate.

(B) One member appointed by the ranking minority member of the Committee on Armed Services of the Senate.

(C) One member appointed by the chair of the Committee on Foreign Relations of the Senate.

(D) One member appointed by the ranking minority member of the Committee on Foreign Relations of the Senate.

(E) One member appointed by the chair of the Committee on Armed Services of the House of Representatives.

(F) One member appointed by the ranking minority member of the Committee on Armed Services of the House of Representatives.

(G) One member appointed by the chair of the Committee on Foreign Affairs of the House of Representatives.

(H) One member appointed by the ranking minority member of the Committee on Foreign Affairs of the House of Representatives.

(I) One member appointed by the majority leader of the Senate.

(J) One member appointed by the minority leader of the Senate.

(K) One member appointed by the Speaker of the House of Representatives.

(L) One member appointed by the minority leader of the House of Representatives.

(2) CO-CHAIRS.—

(A) Of the members of the Group, one co-chair shall be jointly designated by—

(i) the chairs of the Committee on Armed Services and the Committee on Foreign Relations of the Senate;

(ii) the chairs of the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives;

(iii) the majority leader of the Senate; and

(iv) the Speaker of the House of Representatives.

(B) Of the members of the Group, one co-chair shall be jointly designated by—

(i) the ranking minority members of the Committee on Armed Services and the Committee on Foreign Relations of the Senate;

(ii) the ranking minority members of the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives;

(iii) the minority leader of the Senate; and

(iv) the minority leader of the House of Representatives.

(3) PERIOD OF APPOINTMENT.—A member shall be appointed for the life of the Group.

(4) VACANCIES.—Any vacancy in the Group shall be filled in the same manner as the original appointment.

(d) DUTIES.—

(1) REVIEW.—The Group shall conduct a review on the current United States military and diplomatic strategy with respect to the conflict in Syria that includes a review of current United States objectives in Syria and the desired end state in Syria.

(2) ASSESSMENT AND RECOMMENDATIONS.—The Group shall—

(A) conduct a comprehensive assessment of the current situation in Syria, the impact of such situation on neighboring countries, the resulting regional and geopolitical threats to the United States, and current military, diplomatic, and political efforts to achieve a stable Syria; and

(B) develop recommendations on the military and diplomatic strategy of the United States with respect to the conflict in Syria.

(e) COOPERATION OF UNITED STATES GOVERNMENT.—

(1) IN GENERAL.—The Group shall receive the full and timely cooperation of the Secretary of De-

fense, the Secretary of State, and the Director of National Intelligence in providing the Group with analyses, briefings, and other information necessary for the discharge of the duties of the Group under subsection (d).

(2) LIAISON.—The Secretary of Defense, the Secretary of State, and the Director of National Intelligence shall each designate at least one officer or employee of the Department of Defense, the Department of State, and the Office of the Director of National Intelligence, respectively, to serve as a liaison to the Group.

(3) FACILITATION.—The United States Institute of Peace shall take appropriate actions to facilitate the Group in the discharge of the duties of the Group under this section.

(f) REPORTS.—

(1) FINAL REPORT.—

(A) IN GENERAL.—Not later than June 30, 2019, the Group shall submit to the President, the Secretary of Defense, the Committee on Armed Services and the Committee on Foreign Relations of the Senate, the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives, the majority and

minority leaders of the Senate, the Speaker of the House of Representatives, and the minority leader of the House of Representatives a report that sets forth the findings, conclusions, and recommendations of the Group under this section.

(B) ELEMENTS.—The report required by subparagraph (A) shall include each of the following:

(i) An assessment of the current security, political, humanitarian, and economic situations in Syria.

(ii) An assessment of the current participation and objectives of the various external actors in Syria.

(iii) An assessment of the consequences of continued conflict in Syria.

(iv) Recommendations for a resolution to the conflict in Syria, including—

(I) options for a gradual political transition to a post-Assad Syria; and

(II) actions necessary for reconciliation.

(v) A roadmap for a United States and coalition strategy to reestablish security and governance in Syria, including rec-

ommendations for the synchronization of stabilization, development, counterterrorism, and reconstruction efforts.

(vi) Any other matter with respect to the conflict in Syria that the Group considers to be appropriate.

(2) INTERIM REPORT.—Not later than February 1, 2019, the Group shall submit to the Committee on Armed Services and the Committee on Foreign Relations of the Senate, the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives, the majority and minority leaders of the Senate, the Speaker of the House of Representatives, and the minority leader of the House of Representatives a report that describes the status of the review and assessment under subsection (d) and any interim recommendations developed by the Group as of the date of the briefing.

(3) FORM OF REPORT.—The report submitted to Congress under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(g) TERMINATION.—The Group shall terminate on the date that is 180 days after the date on which the Group submits the report required by subsection (f)(1).

SEC. 1225. MODIFICATION OF ANNUAL REPORT ON MILITARY POWER OF IRAN.

Section 1245(b) of the National Defense Authorization Act for Fiscal Year 2010 (10 U.S.C. 113 note) is amended—

(1) in paragraph (3)(B), by inserting "the Houthis," after "Hamas,"; and

(2) in paragraph (7)—

(A) by inserting "the Russian Federation," after "Pakistan,"; and

(B) by inserting "trafficking or" before "development".

Subtitle D—Matters Relating to Europe and the Russian Federation

SEC. 1231. EXTENSION OF LIMITATION ON MILITARY COOPERATION BETWEEN THE UNITED STATES AND THE RUSSIAN FEDERATION.

(a) EXTENSION.—Subsection (a) of section 1232 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2488), as amended by section 1231 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended in the matter preceding paragraph (1) by striking "fiscal year 2017 or 2018" and inserting "fiscal year 2017, 2018, or 2019".

(b) RULE OF CONSTRUCTION.—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) RULE OF CONSTRUCTION.—Nothing in subsection (a) shall be construed to limit bilateral military-to-military dialogue between the United States and the Russian Federation for the purpose of reducing the risk of conflict.".

SEC. 1232. LIMITATION ON AVAILABILITY OF FUNDS RELATING TO SOVEREIGNTY OF THE RUSSIAN FEDERATION OVER CRIMEA.

(a) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the Department of Defense may be obligated or expended to implement any activity that recognizes the sovereignty of the Russian Federation over Crimea.

(b) WAIVER.—The Secretary of Defense, with the concurrence of the Secretary of State, may waive the limitation in subsection (a) if the Secretary of Defense—

(1) determines that the waiver is in the national security interest of the United States; and

(2) submits to the Committee on Armed Services and the Committee on Foreign Relations of the Senate and the Committee on Armed Services and the Com-

mittee on Foreign Affairs of the House of Representatives a notification of the waiver.

SEC. 1233. 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), as most recently amended by section 1234 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended—

(1) in subsection (c)—

(A) in paragraph (1), by striking "for fiscal year 2018 pursuant to subsection (f)(3)" and inserting "for fiscal year 2019 pursuant to subsection (f)(4)"; and

(B) in paragraph (3), by striking "fiscal year 2018" and inserting "fiscal year 2019";

(2) in subsection (f), by adding at the end the following new paragraph:

"(4) For fiscal year 2019, $200,000,000."; and

(3) in subsection (h), by striking "December 31, 2020" and inserting "December 31, 2021".

SEC. 1234. SENSE OF SENATE ON RELOCATION OF JOINT INTELLIGENCE ANALYSIS COMPLEX.

It is the sense of the Senate that, in consideration of any future plans regarding the relocation of the Joint Intel-

ligence Analysis Complex of the United States European Command, the Secretary of Defense should maintain its geographic location within the United Kingdom and its collocation with the North Atlantic Treaty Organization (NATO) Intelligence Fusion Center.

SEC. 1235. SENSE OF SENATE ON ENHANCING DETERRENCE AGAINST RUSSIAN AGGRESSION IN EUROPE.

(a) STATEMENT OF POLICY.—To protect the national security of the United States, it is the policy of the United States to pursue an integrated approach to strengthening the defense of allies and partners in Europe as part of a broader, long-term strategy backed by all elements of United States national power to deter and, if necessary, defeat Russian aggression.

(b) SENSE OF THE SENATE.—It is the sense of the Senate that in order to strengthen the defense of allies and partners in Europe, the Secretary of Defense, in coordination with the Secretary of State and in consultation with the commander of United States European Command, should—

(1) prioritize the need for additional United States Army forward presence in Europe, especially increased forward-stationed combat enablers to enhance United States Army capability and capacity in areas such as—

(A) long-range fires;

(B) air and missile defense;

(C) combat engineering;

(D) logistics and sustainment;

(E) warfighting headquarters elements; and

(F) electronic warfare;

(2) conduct a review of the balance of United States Army presence in Europe between rotationally deployed and forward-stationed forces, including an examination of transitioning the rotational presence of a United States Army armored brigade combat team (ABCT) in Europe to a forward-stationed ABCT, with consideration of—

(A) the opportunity to more effectively signal the enduring commitment of the United States—

(i) to assure allies and partners in Europe; and

(ii) to deter Russian aggression;

(B) the significant recurring fiscal costs of rotating heavy, equipment-intensive units;

(C) the family readiness impacts of lengthy heel-to-toe rotational deployments;

(D) the potential advantages of interoperability and cultural proficiency that can be

achieved by forward-stationed forces that have knowledge of local rules, regulations, culture, customs, geography, and counterpart military units and officials;

(E) the potential tradeoffs between—

(i) the training readiness and high operational tempo of rotational units; and

(ii) the higher manning rates of forward-stationed forces; and

(F) the benefits of National Training Center rotations for rotationally deployed units as compared to maximized use of United States Army training areas in Europe, including the Joint Multinational Readiness Center in Germany, by forward-stationed units in Europe;

(3) consider options for mitigating personnel impacts of heel-to-toe rotations of United States forces in Europe, including designation of Operation Atlantic Resolve as a named operation;

(4) examine the merit and feasibility of maintaining a continuous and enduring presence of at least one United States Army company in Estonia, Latvia, and Lithuania;

(5) examine the merit and feasibility of increasing the presence of United States special operations

forces in Estonia, Latvia, and Lithuania to deter aggression, promote interoperability, build resilience through training activities focused on countering unconventional warfare strategies, and enable the North Atlantic Treaty Organization (NATO) to take collective action if required;

(6) examine the merit and feasibility of prepositioning certain equipment and ammunition in Estonia, Latvia, and Lithuania;

(7) continue rotational deployments of United States forces to Romania and Bulgaria while taking full advantage of the training opportunities available at military locations such as Camp Mihail Kogalniceanu in Romania and Novo Selo Training Area in Bulgaria;

(8) examine the implications of Russian military activity in the Arctic region for United States military capability, capacity, and force posture;

(9) conduct exercises focused on demonstrating the capability to flow United States forces from the continental United States and surge forces from central to eastern Europe in a nonpermissive environment—

(A) to test and improve strategic and operational logistics and transportation capabilities;

(B) to identify capability gaps, capacity shortfalls, or other limiting factors in the execution of operational plans; and

(C) to identify appropriate corrective action;

(10) consider incorporating cyber protection teams, to the extent practicable, with rotational forces in Europe with a focus on training United States and allied forces to operate against adversary cyber, electronic warfare, and information operations capabilities;

(11) support robust security assistance for Ukraine, including defensive lethal assistance, while promoting necessary defense institutional reforms;

(12) support robust security assistance for Georgia, including defensive lethal assistance, to strengthen the defense capabilities and readiness of Georgia, and improve interoperability with NATO forces;

(13) promote enhanced military-to-military engagement between the United States and the militaries of the countries of the Western Balkans to promote interoperability with NATO, civilian control of the military, procurement reforms, and regional security cooperation;

(14) develop and implement a comprehensive security cooperation strategy that rationalizes and prioritizes support for allies and partners in Europe, including Estonia, Latvia, Lithuania, Poland, Romania, Bulgaria, Ukraine, Moldova, and Georgia;

(15) consider the merit and feasibility of a defense lending initiative to support allies and partners in Europe, especially allies and partners that are most vulnerable to Russian aggression, to supplement and fill gaps in existing United States security assistance and arms sales mechanisms; and

(16) in NATO or through other multilateral formats—

(A) promote reforms to accelerate the speed of decision and deployability within NATO, including delegation to the Secretary General and the Supreme Allied Commander Europe (SACEUR) of the authority to deploy the Very High Readiness Joint Task Force to any location within the territory of NATO allies in response to a security crisis;

(B) promote a more robust NATO defense planning process that—

(i) defines clear, stable chains-of-command responsible for the execution of graduated response plans;

(ii) generates realistic military requirements; and

(iii) provides a basis for assigning allies specific responsibilities as force providers in contingency plans;

(C) pursue planning agreements with allies and partners in Europe on rules of engagement and arrangements for command and control, access, transit, and support in crisis situations, which occur prior to an invocation of Article 5 of the Washington Treaty by the North Atlantic Council;

(D) promote operational readiness of major combat units as a key element of alliance burden sharing alongside spending commitments made at the 2014 Wales Summit, including through—

(i) the establishment of 30-day readiness targets for NATO kinetic air squadrons, major naval combatants, and mechanized maneuver battalions;

(ii) emphasis on allies maintaining fully manned units, improving readiness of

key logistics units, increasing lift capacity, and maintaining sufficient stocks of equipment and munitions; and

(iii) the conduct of NATO exercises with a focus on rapid mobilization and deployment of allied forces;

(E) explore transitioning the Baltic air policing mission of NATO to a Baltic air defense mission that would—

(i) be fully integrated with the Integrated Air and Missile Defense of NATO and other regional short- and medium-range air defense systems; and

(ii) include the participation of NATO and regional partners such as Sweden and Finland; and

(F) support multilateral efforts to improve maritime domain awareness in the Baltic Sea, including—

(i) integrating subsurface sensors and anti-submarine warfare platforms of NATO and other regional partners into a shared maritime domain awareness framework;

(ii) coordinating the development, procurement, and employment of aerial, sur-

face, and subsurface unmanned vehicles as well as mobile air surveillance radars;

(iii) expanding the scope of Sea Surveillance Cooperation Baltic Sea (SUCBAS) information sharing to include sensitive or classified data with the goal of creating a common operating picture; and

(iv) encouraging civil-military collaboration on maritime domain awareness;

(G) promote alignment of the Permanent Structured Cooperation, European Defense Fund, and Coordinated Annual Review on Defense of the European Union (EU) with the NATO defense planning process;

(H) support NATO–EU cooperation to ensure that—

(i) EU capability development is coherent, complementary, and interoperable with NATO;

(ii) EU-generated capabilities are available to NATO; and

(iii) EU defense activities are conducted with appropriate transparency and participation of non-EU states;

(I) support coordinated NATO and EU actions on expediting or waiving diplomatic clearances for the movement of United States and allied forces during contingencies;

(J) support cooperative investment frameworks that promote increased military mobility in Europe;

(K) explore enhancing the role of NATO Force Integration Units to more centrally coordinate exercises and training by de-conflicting training engagements, identifying opportunities for combined activities, and ensuring exercise design and delivery are responsive to the dynamic security environment;

(L) support cooperative efforts to improve the cyber resiliency of commercial systems in Europe, especially port and rail infrastructure essential for military mobility;

(M) support NATO procurement and training efforts to expand the use of secure and interoperable communications at the operational level, especially in the militaries of Estonia, Latvia, Lithuania, Poland, Romania, and Bulgaria;

(N) expand cooperation and joint planning with allies and partners on intelligence, surveillance, and reconnaissance (ISR), including—

(i) exercises related to border security and crisis command and control; and

(ii) electronic warfare, anti-air, and anti-surface capabilities;

(O) promote efforts to improve the capability and readiness of NATO Standing Maritime Groups;

(P) encourage regular review and update of the Alliance Maritime Strategy of NATO to reflect the changing military balance in the Black Sea with a particular focus on ISR, cyber, electronic warfare, and anti-submarine warfare capabilities as well as defense of ports, airfields, military bases, and other critical infrastructure;

(Q) explore increasing the frequency, scale, and scope of NATO and other multilateral exercises in the Black Sea with the participation of Ukraine and Georgia;

(R) promote integration of United States Marines in Norway with the United Kingdom-led Joint Expeditionary Force to increase multilateral cooperation and interoperability between

NATO and regional partners such as Sweden and Finland;

(S) affirm support for the Open Door policy of NATO, including the eventual membership of Georgia in NATO; and

(T) promote the contribution of sufficient resources by NATO allies for the Substantial NATO-Georgia Package, and encourage NATO allies to make full use of the NATO–Georgian Joint Training and Evaluation Center.

SEC. 1236. TECHNICAL AMENDMENTS RELATED TO NATO SUPPORT AND PROCUREMENT ORGANIZATION AND RELATED NATO AGREEMENTS.

(a) TITLE 10, UNITED STATES CODE.—Section 2350d of title 10, United States Code, is amended—

(1) by striking "NATO Support Organization" each place it appears and inserting "NATO Support and Procurement Organization";

(2) by striking "Support Partnership Agreement" each place it appears and inserting "Support or Procurement Partnership Agreement"; and

(3) in subsection (a)(1), by striking "Support Partnership Agreements" and inserting "Support or Procurement Partnership Agreements".

(b) ARMS EXPORT CONTROL ACT.—Section 21(e)(3) of the Arms Export Control Act (22 U.S.C. 2761(e)(3)) is amended—

(1) in subparagraph (A)—

(A) in the matter preceding clause (i), by striking "North Atlantic Treaty Organization (NATO) Support Organization" and inserting "North Atlantic Treaty Organization (NATO) Support and Procurement Organization"; and

(B) in clause (i), by striking "support partnership agreement" and inserting "support or procurement partnership agreement"; and

(2) in subparagraph (C)(i), in the matter preceding subclause (I)—

(A) by striking "'weapon system partnership agreement'" and inserting "'support or procurement partnership agreement'"; and

(B) by striking "North Atlantic Treaty Organization (NATO) Support Organization" and inserting "North Atlantic Treaty Organization (NATO) Support and Procurement Organization".

SEC. 1237. REPORT ON SECURITY COOPERATION BETWEEN THE RUSSIAN FEDERATION AND CUBA, NICARAGUA, AND VENEZUELA.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Director of the Defense Intelligence Agency shall submit to the appropriate committees of Congress a report on security cooperation between the Russian Federation and each of the countries specified in subsection (b).

(b) COUNTRIES.—The countries specified in this subsection are as follows:

(1) Cuba.

(2) Nicaragua.

(3) Venezuela.

(c) MATTERS TO BE INCLUDED.—The report required by subsection (a) shall include the following:

(1) An assessment of bilateral security cooperation between the Russian Federation and each country specified in subsection (b) that includes each of the following:

(A) A list of Russian weapon systems or other military hardware or technology valued at not less than $1,000,000 provided to or purchased by such country since January 1, 2007.

(B) A description of the participation of the security forces of such country in training or ex-

ercises with the security forces of the Russian Federation since January 1, 2007.

(C) A description of any security cooperation agreement between the Russian Federation and such country.

(D) A description of any military or intelligence infrastructure, facilities, and assets developed by the Russian Federation in each such country and any associated agreements or understandings between the Russian Federation and such country.

(2) An assessment of security cooperation, specifically in an advisory role, among the countries specified in subsection (b).

(d) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

(e) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

(1) the Committee on Armed Services, the Committee on Foreign Relations, and the Committee on Appropriations of the Senate; and

(2) the Committee on Armed Services, the Committee on Foreign Affairs, and the Committee on Appropriations of the House of Representatives.

SEC. 1238. SENSE OF SENATE ON COUNTERING RUSSIAN MALIGN INFLUENCE.

It is the sense of the Senate that the Secretary of Defense and the Secretary of State should—

(1) urgently prioritize the completion of a comprehensive strategy to counter Russian malign influence; and

(2) submit to Congress the report required by section 1239A(d) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

Subtitle E—Matters Relating to the Indo-Pacific Region

SEC. 1241. REDESIGNATION, EXPANSION, AND EXTENSION OF SOUTHEAST ASIA MARITIME SECURITY INITIATIVE.

(a) REDESIGNATION AS INDO-PACIFIC MARITIME SECURITY INITIATIVE.—

(1) IN GENERAL.—Subsection (a)(2) of section 1263 of the National Defense Authorization Act for Fiscal Year 2016 (10 U.S.C. 333 note) is amended by striking "the 'Southeast Asia Maritime Security Ini-

tiative'" and inserting "the 'Indo-Pacific Maritime Security Initiative'".

(2) CONFORMING AMENDMENT.—The heading of such section is amended to read as follows:

"SEC. 1263. INDO-PACIFIC MARITIME SECURITY INITIATIVE.".

(b) EXPANSION.—

(1) EXPANSION OF REGION TO RECEIVE ASSISTANCE AND TRAINING.—Subsection (a)(1) of such section is amended by inserting "and the Indian Ocean" after "South China Sea" in the matter preceding subparagraph (A).

(2) RECIPIENT COUNTRIES OF ASSISTANCE AND TRAINING GENERALLY.—Subsection (b) of such section is amended—

(A) in paragraph (2), by striking the comma at the end and inserting a period; and

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

"(6) Bangladesh.

"(7) Sri Lanka.".

(3) COUNTRIES ELIGIBLE FOR PAYMENT OF CERTAIN INCREMENTAL EXPENSES.—Subsection (e)(2) of such section is amended by adding at the end the following new subparagraph:

"(D) India.".

(c) EXTENSION.—Subsection (h) of such section is amended by striking "September 30, 2020" and inserting "December 31, 2025".

SEC. 1242. MODIFICATION OF ANNUAL REPORT ON MILITARY AND SECURITY DEVELOPMENTS INVOLVING THE PEOPLE'S REPUBLIC OF CHINA.

Section 1202(b) of the National Defense Authorization Act for Fiscal Year 2000 (10 U.S.C. 113 note) is amended—

(1) by redesignating paragraphs (6) through (16) and (17) through (23) as paragraphs (7) through (17) and (19) through (25), respectively;

(2) by inserting after paragraph (5) the following new paragraph (6):

"(6) China's overseas military basing and logistics infrastructure.";

(3) in paragraph (8), as so redesignated, by striking "including technology transfers and espionage" in the first sentence and inserting "including investment, industrial espionage, cybertheft, academia, and other means of technology transfer";

(4) by inserting after paragraph (17), as so redesignated, the following new paragraph (18):

"(18) An assessment of relations between China and the Russian Federation with respect to security and military matters."; and

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

"(26) The relationship between Chinese overseas investment, including initiatives such as the Belt and Road Initiative, and Chinese security and military strategy objectives.

"(27) Efforts by China to influence the media, cultural institutions, business, and academic and policy communities of the United States to be more favorable to its security and military strategy and objectives.

"(28) Efforts by China to monitor and influence, in support of its security and military strategy and objectives, the following:

"(A) Chinese citizens in the United States.

"(B) United States citizens of Chinese descent.".

SEC. 1243. SENSE OF SENATE ON TAIWAN.

It is the sense of the Senate 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 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;

(3) the United States should strongly support the acquisition by Taiwan of defensive weapons through foreign military sales, direct commercial sales, and industrial cooperation, with a particular emphasis on asymmetric warfare and undersea warfare 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;

(5) the Secretary of Defense should promote Department of Defense policies concerning exchanges that enhance the security of Taiwan, including—

(A) United States participation in appropriate Taiwan exercises, such as the annual Han Kuang exercise;

(B) Taiwan participation in appropriate United States exercises; and

(C) exchanges between senior defense officials and general officers of the United States

and Taiwan consistent with the Taiwan Travel Act (Public Law 115–135);

(6) the United States and Taiwan should expand cooperation in humanitarian assistance and disaster relief; and

(7) the Secretary of Defense should consider supporting the visit of a United States hospital ship to Taiwan as part of the annual "Pacific Partnership" mission in order to improve disaster response planning and preparedness as well as to strengthen cooperation between the United States and Taiwan.

SEC. 1244. REDESIGNATION AND MODIFICATION OF SENSE OF CONGRESS AND INITIATIVE FOR THE INDO-ASIA-PACIFIC REGION.

(a) REDESIGNATION.—

(1) IN GENERAL.—Section 1251 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by striking "Indo-Asia-Pacific" each place it appears and inserting "Indo-Pacific".

(2) HEADING AMENDMENTS.—

(A) SECTION HEADING.—The heading of such section is amended to read as follows:

"SEC. 1251. SENSE OF CONGRESS AND INITIATIVE FOR THE INDO-PACIFIC REGION.".

(B) SUBSECTION HEADINGS.—Such section is further amended in the headings of subsections (b) and (f) by striking "INDO-ASIA-PACIFIC" and inserting "INDO-PACIFIC".

(b) MODIFICATION OF INITIATIVE.—Such section is further amended—

(1) in subsection (c)—

(A) by striking paragraphs (1) through (4) and inserting the following new paragraphs (1) through (4):

"(1) Activities to increase the rotational and forward presence, improve the capabilities, and enhance the posture of the United States Armed Forces in the Indo-Pacific region—

"(A) consistent with the National Defense Strategy; and

"(B) to the extent required to minimize the risk of execution of the contingency plans of the Department of Defense.

"(2) Activities to improve military and defense infrastructure, logistics, and assured access in the Indo-Pacific region to enhance the responsiveness, survivability, and operational resilience of the United States Armed Forces in the Indo-Pacific region.

"(3) Activities to enhance the storage and pre-positioning in the Indo-Pacific region of equipment and munitions of the United States Armed Forces.

"(4) Bilateral and multilateral military training and exercises with allies and partner nations in the Indo-Pacific region."; and

(B) in paragraph (5)—

(i) in the matter preceding subparagraph (A), by striking "security capacity" and all that follows through "of allies" in subparagraph (B) and inserting "security capacity of allies"; and

(ii) by redesignating clauses (i) through (v) as subparagraphs (A) through (E), respectively, and indenting appropriately;

(2) in subsection (d), by striking "only"; and

(3) by amending subsection (e) to read as follows:

"(e) FIVE-YEAR PLAN FOR THE INDO-PACIFIC STABILITY INITIATIVE.—

"(1) PLAN REQUIRED.—

"(A) IN GENERAL.—Not later than March 1, 2019, the Secretary of Defense, in consultation with the Commander of the United States Pa-

cific Command, shall submit to the congressional defense committees a future years plan on activities and resources of the Initiative.

"(B) APPLICABILITY.—The plan shall apply to the Initiative with respect to fiscal year 2020 and at least the four succeeding fiscal years.

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

"(A) A description of the objectives of the Initiative.

"(B) A description of the manner in which such objectives support implementation of the National Defense Strategy and reduce the risk of execution of the contingency plans of the Department of Defense by improving the operational resilience of United States forces in the Indo-Pacific region.

"(C) An assessment of the resource requirements to achieve such objectives.

"(D) An assessment of any additional rotational or permanently stationed United States forces in the Indo-Pacific region required to achieve such objectives.

"(E) An assessment of the logistics requirements, including force enablers, equipment, sup-

plies, storage, and maintenance, to achieve such objectives.

"(F) An identification and assessment of required infrastructure investments to achieve such objectives, including potential infrastructure investments by host countries and new construction or upgrades of existing sites that would be funded by the United States.

"(G) An assessment of any new agreements, or changes to existing agreements, with other countries for assured access required to achieve such objectives.

"(H) An assessment of security cooperation investments required to achieve such objectives.

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

SEC. 1245. PROHIBITION ON PARTICIPATION OF THE PEOPLE'S REPUBLIC OF CHINA IN RIM OF THE PACIFIC (RIMPAC) NAVAL EXERCISES.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the pace and militarization by the Government of the People's Republic of China of land reclamation activities in the South China Sea is desta-

bilizing the security of United States allies and partners and threatening United States core interests;

(2) these activities of the Government of the People's Republic of China adversarially threaten the maritime security of the United States and our allies and partners;

(3) no country that acts adversarially should be invited to multilateral exercises; and

(4) the involvement of the Government of the People's Republic of China in multilateral exercises should undergo reevaluation until such behavior changes.

(b) CONDITIONS FOR FUTURE PARTICIPATION IN RIMPAC.—The Secretary of Defense shall not enable or facilitate the participation of the People's Republic of China in any Rim of the Pacific (RIMPAC) naval exercise unless the Secretary certifies to the congressional defense committees that China has—

(1) ceased all land reclamation activities in the South China Sea;

(2) removed all weapons from its land reclamation sites; and

(3) established a consistent four-year track record of taking actions toward stabilizing the region.

SEC. 1246. ASSESSMENT OF AND REPORT ON GEOPOLITICAL CONDITIONS IN THE INDO-PACIFIC REGION.

(a) ASSESSMENT.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall select and enter into an agreement with an entity independent of the Department of Defense to conduct an assessment of the geopolitical conditions in the Indo-Pacific region that are necessary for the successful implementation of the National Defense Strategy.

(2) MATTERS TO BE INCLUDED.—The assessment required by paragraph (1) shall include a determination of the geopolitical conditions in the Indo-Pacific region, including any change in economic and political relations, that are necessary to support United States military requirements for forward defense, extensive forward basing, and alliance formation and strengthening in such region.

(b) REPORT.—Not later than 270 days after the date of the enactment of this Act, the independent entity selected under subsection (a) shall submit to the appropriate committees of Congress a report on the results of the assessment conducted under that subsection.

(c) DEPARTMENT OF DEFENSE SUPPORT.—The Secretary shall provide the independent entity selected under

subsection (a) with timely access to appropriate information, data, resources, and analyses necessary for the independent entity to conduct the assessment required by that subsection in a thorough and independent manner.

(d) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

(1) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

(2) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1247. SENSE OF SENATE ON UNITED STATES-INDIA DEFENSE RELATIONSHIP.

It is the sense the Senate that the United States should strengthen and enhance its major defense partnership with India and work toward mutual security objectives by—

(1) expanding engagement in multilateral frameworks, including the Quadrilateral Dialogue between the United States, India, Japan, and Australia, to promote regional security and defend shared values and common interests in the rules-based order;

(2) exploring additional steps to implement the "major defense partner" designation to better facili-

tate military interoperability, information sharing, and appropriate technology transfers;

(3) designating the responsible individual within the Department of Defense to facilitate the major defense partnership with India, as required by section 1292(a)(1)(B) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2559);

(4) pursuing strategic initiatives to help develop India's defense capabilities, including maritime security capabilities;

(5) improving cooperation on and coordination of humanitarian and disaster relief responses;

(6) conducting additional joint exercises with India in the Persian Gulf, the Indian Ocean region, and the Western Pacific; and

(7) furthering cooperative efforts to promote security and stability in Afghanistan.

SEC. 1248. SENSE OF SENATE ON STRATEGIC IMPORTANCE OF MAINTAINING COMMITMENTS UNDER COMPACTS OF FREE ASSOCIATION.

(a) FINDINGS.—The Senate makes the following findings:

(1) The Federated States of Micronesia, the Republic of the Marshall Islands, and the Republic of

Palau are sovereign countries in free association with the United States under the Compacts of Free Association (in this section referred to as the "Compacts"), which provide for the exclusive right of the United States Armed Forces to operate in the areas covered by the Compacts.

(2) Such exclusive right allows the United States to curtail the potential expansion of foreign militaries into areas covered by the Compacts.

(3) Under the Compacts, eligible citizens of the Federated States of Micronesia, the Republic of the Marshall Islands, and the Republic of Palau may—

(A) reside, work, and study in the United States without a visa; and

(B) serve in the United States Armed Forces.

(4) An estimated ¼ of the populations of the Federated States of Micronesia, the Republic of the Marshall Islands, and the Republic of Palau has relocated to the United States.

(5) Under the Compacts, the Federal Government is required to provide assistance to any affected jurisdiction in the United States to defray costs incurred by the affected jurisdiction for health, educational, social, or public safety services, or for infrastructure re-

lating to such services, due to the residence in the affected jurisdiction of citizens of the Federated States of Micronesia, the Republic of the Marshall Islands, and the Republic of Palau.

(b) SENSE OF SENATE.—It is the sense of the Senate that maintaining the commitments of the United States under the Compacts is of vital strategic importance to the national security interests of the United States.

SEC. 1249. SENSE OF SENATE ON UNITED STATES MILITARY FORCES ON THE KOREAN PENINSULA.

(a) FINDINGS.—The Senate makes the following findings:

(1) On June 25, 1950, the Democratic People's Republic of Korea (DPRK), under the rule of Kim Il-sung, the grandfather of Kim Jong-un, launched a surprise attack against forces from the Republic of Korea (South Korea) and small contingent of United States forces, thus beginning the Korean War.

(2) In June and July of 1950, the United Nations Security Council adopted Resolutions 82, 83, and 84 calling for the Democratic People's Republic of Korea to cease hostilities and withdraw, to recommend that United Nations member nations provide forces to repel the Democratic People's Republic of Korea attack, and stating any forces provided should

be unified under the command of the United States, respectively.

(3) Fighting as part of a 1,000,000-strong, 22-nation United Nations force, 36,574 members of the United States Armed Forces and 137,899 members of the South Korean military lost their lives during the three years of armed hostilities and brutal conflict in the Korean War.

(4) On July 27, 1953, the Democratic People's Republic of Korea, Chinese People's Volunteers, and the United Nations signed an armistice agreement ceasing all hostilities in Korea and establishing the Demilitarized Zone (DMZ).

(5) Since 1953, lawfully-deployed United States and United Nations forces have remained alongside their South Korean counterparts, continuing to protect and defend South Korea and deter aggression from the Democratic People's Republic of Korea.

(6) As a lasting testament the blood and treasure lost during the Korean War and the strong and unwavering alliance built from the ashes of the conflict, the Korean War Memorial in Washington, District of Columbia, and the War Memorial of Korea in Seoul, South Korea, prominently display the following inscription: "Our Nation honors her Sons and Daugh-

ters who answered the call to defend a Country they never knew and a people they never met.''.

(7) The United States maintains a robust, well-trained, and ready force of approximately 28,500 members of the Armed Forces in South Korea, and the presence of the members of the Armed Forces in South Korea demonstrates the continued resolve and support of the United States for the enduring United States-South Korean Alliance.

(8) On December 22, 2017, Kim Jong-un stated, ''The rapid development of [North Korea's] nuclear force is now exerting big influence on the world political structure and strategic environment.''.

(9) On January 1, 2018, Kim Jong-un stated ''The entire United States is within range of our nuclear weapons, and a nuclear button is always on my desk. This is reality, not a threat. This year we should focus on mass producing nuclear warheads and ballistic missiles for operational deployment.''.

(10) Despite 11 standalone United Nations Security Council resolutions against the nuclear and ballistic missile programs of the Democratic People's Republic of Korea, 8 of which passed during the rule of Kim Jong-un, the Democratic People's Republic of Korea has continued to illegally and unlawfully pur-

sue a long-range, nuclear capability meant to hold hostage the United States and threaten the security of the neighbors of the Democratic People's Republic of Korea.

(11) The 2017 National Security Strategy (NSS) states—

(A) "Our alliance and friendship with South Korea, forged by the trials of history, is stronger than ever.";

(B) "Allies and partners magnify our power . . . [and] together with our allies, partners, and aspiring partners, the United States will pursue cooperation with reciprocity."; and

(C) with respect to priority actions in the Indo-Pacific region, "We will redouble our commitment to established alliances and partnerships, while expanding and deepening relationships with new partners that share respect for sovereignty . . . and the rule of law.".

(12) Secretary of Defense James Mattis stated, "Winston Churchill noted that the only thing harder than fighting with allies is fighting without them. History proves that we are stronger when we stand united with others. Accordingly, our military will be

designed, trained, and ready to fight alongside allies.".

(13) The 2018 National Defense Strategy (NDS) states, "Mutually beneficial alliances and partnerships are crucial to our strategy, providing a durable, asymmetric strategic advantage that no competitor or rival can match . . . [and the United States] will strengthen and evolve our alliances and partnerships into an extended network capable of deterring or decisively acting to meet the shared challenges of our time.".

(14) The unclassified summary of 2018 NDS, an 11-page document, mentions the term "allies" or "alliances" over 50 times.

(15) The 2018 NDS states, "China is a strategic competitor using predatory economics to intimidate its neighbors . . . [and] it is increasingly clear that China. . .want[s] to shape a world consistent with their authoritarian model—gaining veto authority over other nations' economic, diplomatic, and security decisions.".

(16) Foreign policy experts have long contended that the first priority of the People's Republic of China on the Korean Peninsula is to ensure that the Democratic People's Republic of Korea remains a

buffer between China and the democratic South Korea and the United States forces deployed on the Korean Peninsula.

(17) China continues to provide the Democratic People's Republic of Korea with most of its food and energy supplies and, until recently, accounted for approximately 90 percent of the total trade volume of the Democratic People's Republic of Korea.

(18) On June 30, 2017, President Donald Trump stated, "Our goal is peace, stability and prosperity for the region. But the United States will defend itself, always will defend itself, always, and we will always defend our allies. As part of that commitment, we are working together to ensure fair burden sharing and support of the United States military presence in Republic of Korea.".

(19) South Korea already pays for approximately 50 percent of the total nonpersonal costs of the 28,500 United States members of the Armed Forces on the Korean Peninsula, amounting to $887,500,000 in 2018.

(20) President Moon Jae-in has committed to increasing the defense spending of South Korea during his term from the current level 2.4 percent of the gross

domestic product to 2.9 percent of the gross domestic product.

(21) News reports published in early May 2018 have stated that President Trump asked the Secretary of Defense to provide him with options for removing United States troops from the Korean Peninsula.

(22) National Security Advisor John Bolton responded, "The President has not asked the Pentagon to provide options for reducing American forces stationed in South Korea.".

(23) A spokesman for the Secretary stated, "The president has not asked the Pentagon to provide options for reducing American forces stationed in South Korea. The Department of Defense's mission in South Korea remains the same, and our force posture has not changed. The Department of Defense remains committed to supporting the maximum pressure campaign, developing and maintaining military options for the President, and reinforcing our ironclad security commitment with our allies. We all remain committed to complete, verifiable, and irreversible denuclearization of the Korean Peninsula.".

(b) SENSE OF SENATE.—It is the sense of the Senate that—

(1) South Korea is a close friend and ally of the United States, and the United States-South Korea alliance is the linchpin of peace and security in the Indo-Pacific region;

(2) the presence of United States military forces on the Korean Peninsula and across the Indo-Pacific region continues to play a critical role in safeguarding the peaceful and stable rules-based international order that benefits all countries;

(3) South Korea has contributed heavily to its own defense and to the defense of the United States Armed Forces in South Korea, including by providing $10,000,000,000 of the $10,800,000,0000 Camp Humphreys project, which is 93 percent of the funding, to build and relocate United States military forces to a new base in South Korea;

(4) United States military forces, pursuant to international law, are lawfully deployed on the Korean Peninsula;

(5) the nuclear and ballistic missile programs of the Democratic People's Republic of Korea are clear and consistent violations of international law;

(6) the long-stated strategic objective of authoritarian states such as the People's Republic of China, the Russian Federation, and the Democratic People's

Republic of Korea has been the significant removal of United States military forces from the Korean Peninsula;

(7) the maximum pressure campaign of the Trump Administration, including an increase in economic sanctions and diplomatic measures with United States allies and regional partners, has worked to bring Kim Jong-un to the negotiation table; and

(8) the significant removal of United States military forces from the Korean Peninsula is a non-negotiable item as it relates to the complete, verifiable, and irreversible denuclearization of the Democratic People's Republic of Korea.

Subtitle F—Reports

SEC. 1251. REPORT ON MILITARY AND COERCIVE ACTIVITIES OF THE PEOPLE'S REPUBLIC OF CHINA IN SOUTH CHINA SEA.

(a) IN GENERAL.—Except as provided in subsection (d), immediately after the commencement of any significant reclamation or militarization activity by the People's Republic of China in the South China Sea, including any significant military deployment or operation or infrastructure construction, the Secretary of Defense, in coordination with the Secretary of State, shall submit to the congressional de-

fense committees, and release to the public, a report on the military and coercive activities of China in the South China Sea in connection with such activity.

(b) ELEMENTS OF REPORT TO PUBLIC.—Each report on a significant reclamation or militarization activity under subsection (a) shall include a short narrative on, and one or more corresponding images of, such significant reclamation or militarization activity.

(c) FORM.—

(1) SUBMITTAL TO CONGRESS.—Any report under subsection (a) that is submitted to the congressional defense committees shall be submitted in unclassified form, but may include a classified annex.

(2) RELEASE TO PUBLIC.—If a report under subsection (a) is released to the public, such report shall be so released in unclassified form.

(d) WAIVER.—

(1) RELEASE OF REPORT TO PUBLIC.—The Secretary of Defense may waive the requirement in subsection (a) for the release to the public of a report on a significant reclamation or militarization activity if the Secretary determines that the release to the public of a report on such activity under that subsection in the form required by subsection (c)(2) would have an

adverse effect on the national security interests of the United States.

(2) NOTICE TO CONGRESS.—If the Secretary issues a waiver under paragraph (1) with respect to a report on an activity, not later than 48 hours after the Secretary issues such waiver, the Secretary shall submit to the congressional defense committees written notice of, and justification for, such waiver.

SEC. 1252. REPORT ON TERRORIST USE OF HUMAN SHIELDS.

(a) IN GENERAL.—The Secretary of Defense, in consultation with the Secretary of State, shall provide a report on the use of human shields by terrorist groups to protect otherwise lawful targets from attack.

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

(1) A description of the lessons learned from the United States and its allies and partners in addressing the use of human shields by terrorist organizations such as Hamas, Hezbollah, the Islamic State of Iraq and Syria, Al Qaeda, and any other organization as determined by the Secretary of Defense.

(2) A description of a specific plan and actions being taken by the Department of Defense to incorporate the lessons learned as identified in paragraph

(1) into Department of Defense operating guidance, relevant capabilities, and tactics, techniques, and procedures to deter, counter, and address the challenge posed by the use of human shields and hold accountable terrorist organizations for the use of human shields.

(c) SUBMITTAL OF THE REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate committees of Congress the report required in subsection (a).

(d) FORM.—The report shall be submitted in unclassified form, but may include a classified annex.

(e) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

(1) the Committee on Armed Services, the Committee on Foreign Relations, and the Committee on the Judiciary of the Senate; and

(2) the Committee on Armed Services, the Committee on Foreign Affairs, and the Committee on the Judiciary of the House of Representatives.

SEC. 1253. REPORT ON ARCTIC STRATEGIES.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Army, the Secretary of the Navy, and the Secretary of the Air

Force shall submit to the congressional defense committees a report on the strategy of the Army, the Navy and the Marine Corps, and the Air Force, respectively, for the Arctic region.

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

(1) A description of the specific means by which each Armed Force, including regular components, the National Guard, and the Reserves, will—

(A) enhance the capability of the Armed Forces to defend the homeland and exercise sovereignty;

(B) strengthen deterrence at home and abroad;

(C) strengthen alliances and partnerships;

(D) preserve freedom of the seas in the Arctic;

(E) engage public, private, and international partners to improve domain awareness in the Arctic;

(F) develop Department of Defense Arctic infrastructure and capabilities consistent with changing conditions and needs;

(G) provide support to civil authorities, as directed;

(H) partner with other departments, agencies, and countries to support human and environmental security; and

(I) support international institutions that promote regional cooperation and the rule of law.

(2) An analysis of the role of each Armed Force in the operational and contingency plans for the protection of United States national security interests in the Arctic region, including strategic national assets, United States citizens, territory, freedom of navigation, and economic and trade interests in the Arctic region, weighed against the missions described in the Arctic strategy.

(3) A detailed description of near-term and long-term training, capability, and resource gaps that must be addressed to fully execute each mission described in the Arctic strategy against an increasing threat environment.

(4) A description of the Armed Force-specific infrastructure that may be needed to continue to accomplish each mission described in the Arctic strategy against an increasing threat environment, including a cost estimate and potential construction timeline for such infrastructure.

(5) A description, by Armed Force, of the current and projected Arctic capabilities of the Russian Federation and the People's Republic of China, and an analysis of current and future United States capabilities that are required to comply with—

(A) each mission described in the Arctic strategy; and

(B) the strategic objectives in the National Defense Strategy.

(6) With respect to each Armed Force—

(A) an assessment of the level of cooperation between each Armed Force and other departments and agencies of the United States Government (including the Department of Homeland Security and the National Security Agency), State and local governments, and Tribal entities; and

(B) a plan for increased cooperation between the Armed Forces and such departments, agencies, and entities.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1254. REPORT ON PERMANENT STATIONING OF UNITED STATES FORCES IN THE REPUBLIC OF POLAND.

(a) IN GENERAL.—Not later than March 1, 2019, the Secretary of Defense, in coordination with the Secretary of State, shall submit to the congressional defense committees a report on the feasibility and advisability of permanently stationing United States forces in the Republic of Poland.

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

(1) An assessment of the types of permanently stationed United States forces in Poland required to deter aggression by the Russian Federation and execute Department of Defense contingency plans, including combat enabler units in capability areas such as—

(A) combat engineering;

(B) logistics and sustainment;

(C) warfighting headquarters elements;

(D) long-range fires;

(E) air and missile defense;

(F) intelligence, surveillance, and reconnaissance; and

(G) electronic warfare.

(2) An assessment of the feasibility and advisability of permanently stationing a United States

Army brigade combat team in the Republic of Poland that includes the following:

(A) An assessment whether a permanently stationed United States Army brigade combat team in Poland would enhance deterrence against Russian aggression in Eastern Europe.

(B) An assessment of the actions the Russian Federation may take in response to a United States decision to permanently station a brigade combat team in Poland.

(C) An assessment of the international political considerations of permanently stationing such a brigade combat team in Poland, including within the North Atlantic Treaty Organization (NATO).

(D) An assessment whether a such a brigade combat team in Poland would support implementation of the National Defense Strategy.

(E) A description and assessment of the manner in which such a brigade combat team in Poland would affect the ability of the Joint Force to execute Department of Defense contingency plans in Europe.

(F) A description and assessment of the manner in which such a brigade combat team in

Poland would affect the ability of the Joint Force to respond to a crisis inside the territory of a North Atlantic Treaty Organization ally that occurs prior to the invocation of Article 5 of the Washington Treaty by the North Atlantic Council.

(G) An identification and assessment of—

(i) potential locations in Poland for stationing such a brigade combat team;

(ii) the logistics requirements, including force enablers, equipment, supplies, storage, and maintenance, that would be required to support such a brigade combat team in Poland;

(iii) infrastructure investments by the United States and Poland, including new construction or upgrades of existing sites, that would be required to support such a brigade combat team in Poland;

(iv) any new agreements, or changes to existing agreements, between the United States and Poland that would be required for a such a brigade combat team in Poland;

(v) any changes to the posture or capabilities of the Joint Force in Europe that would be required to support such a brigade combat team in Poland; and

(vi) the timeline required to achieve the permanent stationing of such a brigade combat team in Poland.

(H) An assessment of the willingness and ability of the Government of Poland to provide host nation support for such a brigade combat team.

(I) An assessment whether future growth in United States Army end strength may be used to source additional forces for such a brigade combat team in Poland.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1254A. INEFFECTIVENESS OF SECTION 937.

Section 937, relating to a Strategic Defense Fellows Program for the Department of Defense, shall have no force or effect.

SEC. 1254B. JOHN S. MCCAIN STRATEGIC DEFENSE FELLOWS PROGRAM.

(a) FELLOWSHIP PROGRAM.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall establish within the Department of Defense a civilian fellowship program designed to provide leadership development and the commencement of a career track toward senior leadership in the Department.

(2) DESIGNATION.—The fellowship program shall be known as the "John S. McCain Strategic Defense Fellows Program" (in this section referred to as the "fellows program").

(b) ELIGIBILITY.—An individual is eligible for participation in the fellows program if the individual—

(1) is a citizen of the United States or a lawful permanent resident of the United States in the year in which the individual applies for participation in the fellows program; and

(2) either—

(A) possesses a graduate degree from an accredited institution of higher education in the United States that was awarded not later than two years before the date of the acceptance of the individual into the fellows program; or

(B) will be awarded a graduate degree from an accredited institution of higher education in

the United States not later than six months after the date of the acceptance of the individual into the fellows program.

(c) APPLICATION.—

(1) 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.

(2) ELEMENTS.—Each application of an individual under this subsection shall include the following:

(A) Transcripts of educational achievement at the undergraduate and graduate level.

(B) A resume.

(C) Proof of citizenship or lawful permanent residence.

(D) An endorsement from the applicant's graduate institution of higher education.

(E) An academic writing sample.

(F) Letters of recommendation addressing the applicant's character, academic ability, and any extracurricular activities.

(G) A personal statement by the applicant explaining career areas of interest and motivations for service in the Department.

(H) Such other information as the Secretary considers appropriate.

(d) SELECTION.—

(1) IN GENERAL.—Each year, the Secretary shall select participants in the fellows program from among applicants for the fellows program for such year who qualify for participation in the fellows program based on character, commitment to public service, academic achievement, extracurricular activities, and such other qualifications for participation in the fellows program as the Secretary considers appropriate.

(2) NUMBER.—The number of individuals selected to participate in the fellows program in any year may not exceed the numbers as follows:

(A) Ten individuals from each geographic region of the United States as follows:

(i) The Northeast.

(ii) The Southeast.

(iii) The Midwest.

(iv) The Southwest.

(v) The West.

(B) Ten additional individuals.

(3) BACKGROUND INVESTIGATION.—An individual selected to participate in the fellows program may not participate in the program unless the individual successfully undergoes a background investigation applicable to the position to which the individual will be assigned under the fellows program and otherwise meets such requirements applicable to assignment to a sensitive position within the Department that the Secretary considers appropriate.

(e) ASSIGNMENT.—

(1) IN GENERAL.—Each individual who participates in the fellows program shall be assigned to a position in the Office of the Secretary of Defense.

(2) POSITION REQUIREMENTS.—Each Under Secretary of Defense and each Director of a Defense Agency who reports directly to the Secretary shall submit to the Secretary each year the qualifications and skills to be demonstrated by participants in the fellows program to qualify for assignment under this subsection for service in a position of the office of such Under Secretary or Director.

(3) ASSIGNMENT TO POSITIONS.—The Secretary shall each year assign participants in the fellows program to positions in the offices of the Under Secretaries and Directors described in paragraph (2). In

making such assignments, the Secretary shall seek to best match the qualifications and skills of participants in the fellows program with the requirements of positions available for assignment. Each participant so assigned shall serve as a special assistant to the Under Secretary or Director to whom assigned.

(4) TERM.—The term of each assignment under the fellows program shall be one year.

(5) 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, including for purposes of eligibility for health care benefits and retirement benefits available to employees of the United States.

(6) EDUCATION LOAN REPAYMENT.—To the extent that funds are provided in advance in appropriations Acts, the Secretary may repay any loan of a participant in the fellows program if the loan is described by subparagraph (A), (B), or (C) of section 16301(a)(1) of title 10, United States Code. Any repayment of loans under this paragraph shall be on a first-come, first-served basis.

(f) CAREER DEVELOPMENT.—

(1) IN GENERAL.—The Secretary shall ensure that participants in the fellows program—

(A) receive opportunities and support appropriate for the commencement of a career track within the Department leading toward a future position of senior leadership within the Department, including ongoing mentorship support through appropriate personnel from entities within the Department such as the Defense Business Board and the Defense Innovation Board; and

(B) are provided appropriate opportunities for employment and advancement within the Department upon successful completion of the fellows program.

(2) RESERVATION OF POSITIONS.—In carrying out paragraph (1)(B), the Secretary shall reserve for participants who successfully complete the fellows program not fewer than 30 positions in the excepted service within the Department that are suitable for the commencement of a career track toward senior leadership within the Department. Any position so reserved shall not be subject to or covered by any reduction in headquarters personnel required under any other provision of law.

(3) NONCOMPETITIVE APPOINTMENT.—Upon the successful completion of the assignment of a participant in the fellows program in a position pursuant to subsection (e), the Secretary may, without regard to the provisions of subchapter I of chapter 33 of title 5, United States Code, appoint the participant to a position reserved pursuant to paragraph (2) if the Secretary determines that such appointment will contribute to the development of highly qualified future senior leaders for the Department.

(4) PUBLICATION OF SELECTION.—The Secretary shall publish on an Internet website of the Department available to the public the names of the individuals selected to participate in the fellows program.

(g) OUTREACH.—The Secretary shall undertake appropriate outreach to inform potential participants in the fellows program of the nature and benefits of participation in the fellows program.

(h) REGULATIONS.—The Secretary shall carry out this section in accordance with such regulations as the Secretary may prescribe for purposes of this section.

(i) FUNDING.—Of the amounts authorized to be appropriated for each fiscal year for the Department of Defense for operation and maintenance, Defense-wide, $10,000,000

may be available to carry out the fellows program in such fiscal year.

SEC. 1255. REPORTS ON NUCLEAR CAPABILITIES OF THE DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA.

(a) BASELINE REPORT.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Director of National Intelligence, shall submit to the appropriate committees of Congress a report on the status of the nuclear program of the Democratic People's Republic of Korea to establish a baseline of progress for negotiations with the Democratic People's Republic of Korea with respect to denuclearization.

(b) ELEMENTS.—The report required by subsection (a) shall include the following, to the extent known or suspected:

(1) A description of the location, quantity, capability, and operational status of the nuclear weapons of the Democratic People's Republic of Korea.

(2) A description of the location of nuclear research, development, production, and testing facilities of the Democratic People's Republic of Korea, including covert facilities.

(3) A description of the location, quantity, capability, and operational status of the ballistic missiles of the Democratic People's Republic of Korea.

(4) A description of the location of the ballistic missile manufacturing and assembly facilities of the Democratic People's Republic of Korea.

(5) An assessment of any intelligence gaps with respect to the information required by this subsection and verification or inspection measures that may fill such gaps.

(c) UPDATES.—

(1) IN GENERAL.—In the case of an agreement between the United States and the Democratic People's Republic of Korea, not later than 60 days after the date on which the agreement is reached, and every 90 days thereafter, the report required by subsection (a) shall be augmented by a written update.

(2) ELEMENTS.—Each written update under paragraph (1) shall include the following for the preceding 90-day period:

(A) A description of the number of nuclear weapons and ballistic missiles verifiably dismantled, destroyed, rendered permanently unusable, or transferred out of the Democratic People's Republic of Korea.

(B) An identification of the location of nuclear research, development, production, and testing facilities in the Democratic People's Republic

of Korea identified and verifiably dismantled, destroyed, or rendered permanently unusable.

(C) An identification of the location of ballistic missile manufacturing and assembly facilities in the Democratic People's Republic of Korea verifiably dismantled, destroyed, or rendered permanently unusable.

(D) A description of the number of nuclear weapons and ballistic missiles that remain in or under the control of the Democratic People's Republic of Korea.

(E) An assessment of the progress made in extending the breakout period required for the Democratic People's Republic of Korea to reconstitute its nuclear weapons program and build a nuclear weapon, as such progress relates to the information required by subparagraphs (A) through (D).

(d) VERIFICATION ASSESSMENT REPORT.—Not later than 180 days after the date on which the report required by subsection (a) is submitted, and every 180 days thereafter, the written update required under paragraph (1) of subsection (c) shall include, in addition to the information required by subparagraphs (A) through (E) of that subsection, the following for the preceding 180-day period:

(1) An assessment of the establishment of safeguards, other control mechanisms, and other assurances secured from the Democratic People's Republic of Korea to ensure the activities of the Democratic People's Republic of Korea permitted under any agreement will not be used to further any nuclear-related military or nuclear explosive purpose, including research on or development of a nuclear explosive device.

(2) An assessment of the capacity of the United States or an international organization, including the International Atomic Energy Agency, to effectively access and investigate suspicious sites in the Democratic People's Republic of Korea or allegations of covert nuclear-related activities, including storage sites for nuclear weapons.

(e) SUNSET.—The section shall cease to be effective on the date that is three years after the date of the enactment of this Act.

(f) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

(1) the Committee on Armed Services, the Select Committee on Intelligence, the Committee on Foreign

Relations, and the Committee on Appropriations of the Senate; and

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

SEC. 1256. REPORT ON UNITED STATES MILITARY TRAINING OPPORTUNITIES WITH ALLIES AND PARTNERS IN THE INDO-PACIFIC REGION.

(a) SENSE OF SENATE.—It is the sense of the Senate that—

(1) the Secretary of Defense, as part of strategic initiatives, should continue to place emphasis on and consider the benefits of United States military training exercises with allies in the Indo-Pacific region;

(2) the Indo-Pacific region is—

(A) a strategically important region; and

(B) critical to the interests of the United States;

(3) the relationship between the United States and allies and partners in the Indo-Pacific region is essential for ensuring peace and security in the region;

(4) interoperability between the United States and allies in the Indo-Pacific region increases readiness and regional contingency response time;

(5) the United States should focus on expanding training with other allied nations and partners in the Indo-Pacific region;

(6) the United States, working within our framework of alliances and partnerships, should seek to build the capacity and capability of our allies and partners in the Indo-Pacific region and to expand interoperability with them; and

(7) the United States and its partners in the Indo-Pacific region should continue to work together to build the forces, infrastructure, relationships, and training needed to respond to search and rescue and humanitarian assistance needed in the whole of catastrophic natural disasters.

(b) REPORT.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on future United States military training opportunities with allied and partner countries in the Indo-Pacific region.

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

(A) A detailed description of—

(i) current United States military exercises involving United States partners and allies in the Indo-Pacific region;

(ii) the manner in which such exercises are intended to improve the capability and capacity of such partners and allies; and

(iii) the interoperability of such partners and allies with the United States Armed Forces.

(B) An analysis of the potential to expand the size, scope, or makeup of such exercises to include—

(i) additional forces and units of current participants;

(ii) additional capabilities or training; and

(iii) other allies and partners in the Indo-Pacific region and other regions.

(C) An identification of new United States military exercises that may be initiated in the Indo-Pacific region with—

(i) security treaty allies such as Japan, South Korea, Australia, the Philippines, and Thailand;

(ii) growing partners such as India, Indonesia, Malaysia, Mongolia, New Zealand, Singapore, Sri Lanka, and Vietnam;

(iii) existing multilateral frameworks, such as the Association of Southeast Asian Nations (ASEAN);

(iv) allies and partners outside the Indo-Pacific region; and

(v) potential new allies or partners.

(3) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

Subtitle G—Other Matters

SEC. 1261. MODIFICATION OF AUTHORITIES RELATING TO ACQUISITION AND CROSS-SERVICING AGREEMENTS.

(a) PROHIBITIONS.—Section 2342 of title 10, United States Code, is amended—

(1) by redesignating subsection (d) as subsection (f); and

(2) by inserting after subsection (c) the following new subsections (d) and (e):

"(d) The Secretary of may not use an agreement with any government of an organization described in subsection (a)(1) to facilitate the transfer of logistic support, supplies, and services to any country or organization with which the Secretary has not signed an agreement described in subsection (a)(2).

"(e) An agreement described in subsection (a)(2) may not provide or otherwise constitute a commitment for the introduction of the armed forces into hostilities.".

(b) ANNUAL REPORTS.—Such section is further amended by adding at the end the following new subsection:

"(g) Not later than January 15 each year, the Secretary shall submit to the appropriate committees of Congress a report on acquisition and cross-servicing activities that sets forth, in detail, the following:

"(1) A list of agreements in effect pursuant to subsection (a)(1) during the preceding fiscal year.

"(2) The date on which each agreement listed under paragraph (1) was signed, and, in the case of an agreement with a country that is not a member of the North Atlantic Treaty Organization, the date on which the Secretary notified Congress pursuant to subsection (b)(2) of the designation of such country under subsection (a).

"(3) The total dollar amount and major categories of logistic support, supplies, and services provided during the preceding fiscal year under each such agreement.

"(4) The total dollar amount and major categories of reciprocal provisions of logistic support, supplies, and services received under each such agreement.

"(5) With respect to the calendar year during which the report is submitted, an assessment of the following:

"(A) The anticipated logistic support, supplies, and services requirements of the United States.

"(B) The anticipated requirements of other countries for United States logistic support, supplies, and services.".

(c) DEFINITIONS.—Such section is further amended—

(1) in subsection (b)(2), by striking "the Committee on Armed Services" the first place it appears and all that follows through "the House of Representatives" and inserting "the appropriate committees of Congress"; and

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

"(h) In this section, the term 'appropriate committees of Congress' means—

"(1) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

"(2) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.".

SEC. 1262. EXTENSION OF AUTHORITY FOR TRANSFER OF AMOUNTS FOR GLOBAL ENGAGEMENT CENTER.

Section 1287(e)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2546; 22 U.S.C. 2656 note) is amended—

(1) in subparagraph (A), by striking "and" at the end;

(2) in subparagraph (B), by striking the period at the end and inserting "; and"; and

(3) by adding at the end the following new subparagraph:

"(C) for fiscal year 2019 are less than $80,000,000, the Secretary of Defense is authorized to transfer, from amounts authorized to be appropriated by an Act authorizing funds for the Department of Defense for fiscal year 2019, to the Secretary of State an amount, not to exceed

$60,000,000, to be available to carry out the functions of the Center for fiscal year 2019.".

SEC. 1263. SENSE OF SENATE ON PURCHASE BY TURKEY OF S–400 AIR DEFENSE SYSTEM.

It is the sense of the Senate that if the Republic of Turkey purchases the S–400 air defense system from the Russian Federation—

(1) such purchase would constitute a significant transaction within the meaning of section 231(a) of the Countering Russian Influence in Europe and Eurasia Act of 2017 (title II of Public Law 115–44; 22 U.S.C. 9525(a)); and

(2) the President should faithfully execute that Act by imposing and applying sanctions under section 235 of that Act (22 U.S.C. 9529) with respect to any individual or entity determined to have engaged in such significant transaction as if such person were a sanctioned person for purposes of such section 235.

SEC. 1264. DEPARTMENT OF DEFENSE SUPPORT FOR STABILIZATION ACTIVITIES IN NATIONAL SECURITY INTEREST OF THE UNITED STATES.

(a) IN GENERAL.—The Secretary of Defense may, with the concurrence of the Secretary of State and in consultation with the Administrator of the United States Agency for International Development and the Director of the Office

of Management and Budget, provide support for the stabilization activities of other Federal agencies specified under subsection (c).

(b) DESIGNATION OF FOREIGN AREAS.—

(1) IN GENERAL.—Amounts authorized to be provided pursuant to this section shall be available only for support for stabilization activities—

(A) in a country specified in paragraph (2); and

(B) that the Secretary of Defense, with the concurrence of the Secretary of State, has determined are in the national security interest of the United States.

(2) SPECIFIED COUNTRIES.—The countries specified in this paragraph are as follows:

(A) Iraq.

(B) Syria.

(C) Afghanistan.

(D) Somalia.

(c) SUPPORT TO OTHER AGENCIES.—

(1) IN GENERAL.—Support may be provided for stabilization activities under subsection (a) to the Department of State, the United States Agency for International Development, or other Federal agencies, on a reimbursable or nonreimbursable basis.

(2) TYPE OF SUPPORT.—Support under subsection (a) may consist of—

(A) logistic support, supplies, and services; and

(B) equipment.

(d) REQUIREMENT FOR A STABILIZATION STRATEGY.—

(1) LIMITATION.—With respect to any country specified in subsection (b)(2), no amount of support may be provided under subsection (a) until 15 days after the date on which the Secretary of Defense, with the concurrence of the Secretary of State, submits to the appropriate committees of Congress a detailed report setting forth a stabilization strategy for such country.

(2) ELEMENTS OF DETERMINATION.—The stabilization strategy required by paragraph (1) shall set forth the following:

(A) The United States interests in conducting stabilization activities in the country specified in subsection (b)(2).

(B) The key foreign partners and actors in such country.

(C) The desired end states and objectives of the United States stabilization activities in such country.

(D) The Department of Defense support intended to be provided for the stabilization activities of other Federal agencies under section (a).

(E) Any mechanism for civil-military coordination regarding support for stabilization activities.

(F) The mechanisms for monitoring and evaluating the effectiveness of Department of Defense support for United States stabilization activities in the area.

(e) REQUIREMENT FOR GUIDANCE.—No amount of support may be provided under subsection (a) until 30 days after the date on which the Secretary of Defense submits to the appropriate committees of Congress written guidance for the design, implementation, monitoring, and evaluation of support provided under that subsection.

(f) REPORT.—The Secretary of Defense, with the concurrence of the Secretary of State, shall submit to the appropriate committees of Congress on an annual basis a report that includes the following:

(1) The identification of each foreign area within countries specified in subparagraph (b)(2) for which support to stabilization has occurred.

(2) The total amount spent by the Department of Defense, broken out by recipient Federal agency and activity.

(3) An assessment of the contribution of each activity toward greater stability.

(4) An articulation of any plans for continued Department of Defense support to stabilization in the specified foreign area in order to maintain or improve stability.

(5) Other matters as the Secretary considers to be appropriate.

(g) USE OF FUNDS.—

(1) SOURCE OF FUNDS.—Amounts for activities carried out under this section in a fiscal year shall be derived only from amounts authorized to be appropriated for such fiscal year for the Department of Defense for Operation and Maintenance, Defense-wide.

(2) LIMITATION.—Not more than $25,000,000 in each fiscal year is authorized to be used to provide support under this section.

(h) EXPIRATION.—The authority provided under this section may not be exercised after September 30, 2020.

(i) DEFINITIONS.—In this section:

(1) APPROPRIATE COMMITTEES OF CONGRESS.—The term "appropriate committees of Congress" means—

(A) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

(B) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

(2) LOGISTIC SUPPORT, SUPPLIES, AND SERVICES.—The term "logistic support, supplies, and services" has the meaning given the term in section 2350(1) of title 10 United States Code.

SEC. 1265. ENHANCEMENT OF U.S.-ISRAEL DEFENSE COOPERATION.

(a) EXTENSION OF WAR RESERVES STOCKPILE AUTHORITY.—Section 12001(d) of the Department of Defense Appropriations Act, 2005 (Public Law 108–287; 118 Stat. 1011) is amended by striking "after September 30, 2018" and inserting "after September 30, 2023".

(b) JOINT ASSESSMENT OF QUANTITY OF PRECISION GUIDED MUNITIONS FOR USE BY ISRAEL.—

(1) IN GENERAL.—The President, acting through the Secretary of State and the Secretary of Defense,

is authorized to conduct a joint assessment with the Government of Israel with respect to the matters described in paragraph (2).

(2) MATTERS DESCRIBED.—The matters described in this paragraph are the following:

(A) The quantity and type of precision guided munitions that are necessary for Israel to combat Hezbollah in the event of a sustained armed confrontation between Israel and Hezbollah.

(B) The quantity and type of precision guided munitions that are necessary for Israel in the event of a sustained armed confrontation with other armed groups and terrorist organizations such as Hamas.

(C) The resources the Government of Israel plans to dedicate to acquire such precision guided munitions.

(D) United States planning to assist Israel to prepare for sustained armed confrontations described in this subsection as well as the ability of the United States to resupply Israel in the event of confrontations described in subparagraphs (A) and (B), if any.

(3) REPORT.—

(A) IN GENERAL.—Not later than 15 days after the date on which the joint assessment authorized under paragraph (1) is completed, the President shall submit to the appropriate congressional committees a report that contains the joint assessment.

(B) FORM.—The report required under subparagraph (A) shall be submitted in classified form, but may contain an unclassified summary.

(C) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this paragraph, the term "appropriate congressional committees" means—

(i) the Committee on Foreign Relations and the Committee on Armed Services of the Senate; and

(ii) the Committee on Foreign Affairs and the Committee on Armed Services of the House of Representatives.

(c) MODIFICATION OF RAPID ACQUISITION AND DEPLOYMENT PROCEDURES.—

(1) REQUIREMENT TO ESTABLISH PROCEDURES.—Section 806(a) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (10 U.S.C. 2302 note; Public Law 107–314) is amended—

(A) in paragraph (1)(C), by striking "; and";

(B) in paragraph (2), by striking the period at the end and inserting "; and"; and

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

"(3) urgently needed to support production of precision guided munitions—

"(A) for the United States to meet requirements; or

"(B) to assist an ally of the United States under direct missile threat from—

"(i) an organization the Secretary of State has designated as a foreign terrorist organization pursuant to section 219 of the Immigration and Nationality Act (8 U.S.C. 1189); or

"(ii) a country the government of which the Secretary of State has determined, for purposes of section 6(j) of the Export Administration Act of 1979 (50 U.S.C. 4605(j)) (as in effect pursuant to the International Emergency Economic Powers Act), section 620A of the Foreign Assistance Act of 1961 (22 U.S.C. 2371), section 40 of

the Arms Export Control Act (22 U.S.C. 2780), or any other provision of law, is a government that has repeatedly provided support for acts of international terrorism.".

(2) PRESCRIPTION OF PROCEDURES.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall prescribe procedures for the rapid acquisition and deployment of supplies and associated support services for purposes described in paragraph (3) of section 806(a) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003, as added by paragraph (1)(C).

SEC. 1266. CERTIFICATIONS REGARDING ACTIONS BY SAUDI ARABIA IN YEMEN.

(a) RESTRICTION.—

(1) IN GENERAL.—Subject to paragraph (2), if the Secretary of State is unable under subsection (c) or (d) to certify that the Government of Saudi Arabia is undertaking the effort, measures, and actions described in paragraphs (1), (2), (3), and (4) of subsection (c), no Federal funds may be obligated or expended after the deadline for the applicable certification to provide authorized in-flight refueling pursuant to section 2342 of title 10, United States Code,

or other applicable statutory authority, of Saudi or Saudi-led coalition non-United States aircraft conducting missions in Yemen, other than missions related to—

(A) al Qaeda, al Qaeda in the Arabian Peninsula (AQAP), or the Islamic State in Iraq and Syria (ISIS);

(B) countering the transport, assembly, or employment of ballistic missiles or components in Yemen;

(C) helping coalition aircraft return safely to base in emergency situations;

(D) force protection of United States aircraft, ships, or personnel; or

(E) freedom of navigation for United States military and international commerce.

(2) WAIVER.—The Secretary may waive the restriction in paragraph (1) with respect to a particular certification if the Secretary—

(A) certifies to the appropriate committees of Congress that the waiver is in the national security interests of the United States; and

(B) submits to the appropriate committees of Congress a report, in written and unclassified form, setting forth—

(i) the effort in subsection (c)(1), measures in subsection (c)(2), or actions in subsections (c)(3) or (c)(4), or combination thereof, about which the Secretary is unable to make the certification;

(ii) a detailed explanation why the Secretary is unable to make the certification about such effort, measures, or actions;

(iii) a description of the actions the Secretary is taking to encourage the Government of Saudi Arabia to undertake such effort, measures, or actions; and

(iv) a detailed justification for the waiver.

(b) REPORTING REQUIREMENT.—Not later than 30 days after the date of the enactment of this Act, the President or the President's designee shall provide a briefing to the appropriate committees of Congress including, at a minimum—

(1) a description of Saudi Arabia and the United Arab Emirates' military and political objectives in Yemen and whether United States assistance to the Saudi-led coalition has resulted in significant progress towards meeting those objectives;

(2) a description of efforts by the Government of Saudi Arabia to avoid disproportionate harm to civilians and civilian objects in Yemen, and an assessment of whether United States assistance to the Saudi-led coalition has led to a demonstrable decrease in civilians killed or injured by Saudi-led airstrikes and damage to civilian infrastructure;

(3) an assessment of the United Nations Verification and Inspection Mechanism (UNVIM) in Yemen and an assessment of the need for existing secondary inspection and clearance processes and transshipment requirements on humanitarian and commercial vessels that have been cleared by UNVIM;

(4) a description of the sources of external support for the Houthi forces, including financial assistance, weapons transfers, operational planning, training, and advisory assistance;

(5) an assessment of the applicability of United States and international sanctions to Houthi forces that have committed grave human rights abuses, obstructed international aid, and launched ballistic missiles into Saudi territory, and an assessment of the applicability of United States and international sanctions to individuals or entities providing the Houthi forces with material support; and

(6) an assessment of the effect of the Saudi-led coalition's military operations in Yemen on the efforts of the United States to defeat al Qaeda in the Arabian Peninsula and the Islamic State of Iraq and the Levant.

(c) INITIAL CERTIFICATION.—Not later than 30 days after the date of the enactment of this Act, the Secretary of State shall submit to the appropriate committees of Congress a certification indicating whether the Government of Saudi Arabia is undertaking—

(1) an urgent and good faith effort to support diplomatic efforts to end the civil war in Yemen;

(2) appropriate measures to alleviate the humanitarian crisis in Yemen by increasing access for Yemenis to food, fuel, medicine, and medical evacuation, including through the appropriate use of Yemen's Red Sea ports, including the port of Hudaydah, the airport in Sana'a, and external border crossings with Saudi Arabia;

(3) appropriate actions to reduce any unnecessary delays to shipments associated with secondary inspection and clearance processes other than the United Nations Verification and Inspections Mechanism (UNVIM); and

(4) demonstrable actions to reduce the risk of harm to civilians and civilian infrastructure resulting from its military operations in Yemen, including by—

(A) complying with applicable agreements and laws regulating defense articles purchased or transferred from the United States; and

(B) taking appropriate steps to avoid disproportionate harm to civilians and civilian infrastructure.

(d) SUBSEQUENT CERTIFICATIONS.—Not later than 180 and 360 days after the date of the enactment of this Act, the Secretary of State shall submit to the appropriate committees of Congress a certification indicating whether the Government of Saudi Arabia is undertaking the effort, measures, and actions described in paragraphs (1), (2), (3), and (4) of subsection (c).

(e) RULE OF CONSTRUCTION.—Nothing in this section may be construed as authorizing the use of military force.

(f) FORM OF CERTIFICATIONS.—The certifications required under subsections (c) and (d) shall be written, detailed, and submitted in unclassified form.

(g) STRATEGY REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Secretary of State, in coordination with the Secretary of Defense and

the Administrator of the United States Agency for International Development, shall submit to the appropriate committees of Congress an unclassified report listing United States objectives in Yemen and detailing a strategy to accomplish those objectives. The report shall be unclassified but may include a classified annex.

(h) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

(1) the Committee on Foreign Relations, the Committee on Armed Services, and the Committee on Appropriations of the Senate; and

(2) the Committee on Foreign Affairs, the Committee on Armed Services, and the Committee on Appropriations of the House of Representatives.

SEC. 1267. SENSE OF SENATE ON SUPPORT FOR G5 SAHEL JOINT FORCE COUNTRIES.

It is the sense of the Senate that the United States should—

(1) work with partners and allies to disrupt violent extremist organizations in the Sahel region that threaten United States security interests;

(2) enhance cooperation with G5 Sahel Joint Force countries, which are—

(A) Burkina Faso;

(B) Mali;

(C) Mauritania;

(D) Niger; and

(E) Chad;

(3) continue to support the efforts of each G5 Sahel Joint Force country—

(A) to improve security along the respective borders of each country through the cooperation and deployment of joint patrols to interdict the cross-border flows of illicit trafficking and violent extremist groups;

(B) to address underlying sources of instability in each country through a whole-of-government approach; and

(C) to build and sustain in each country—

(i) an effective, accountable government;

(ii) a capable and professional military; and

(iii) a healthy economy; and

(4) ensure that any assistance of the United States to a G5 Sahel Joint Force country is undertaken as a whole-of-government effort that balances all instruments of United States national power.

SEC. 1268. SENSE OF CONGRESS ON BROADENING AND EXPANDING STRATEGIC PARTNERSHIPS AND ALLIES.

It is the sense of Congress that—

(1) the United States is an ally-rich country and our potential competitors, such as Russia, China, and North Korea, are ally-poor countries;

(2) United States allies and partners are critical to defending peace and prosperity throughout the world;

(3) the rules-based international order supported by the United States and its allies has ensured, and will continue to promote, an international system that benefits all nations;

(4) throughout the world, the United States will continue to foster relationships with countries with like minds and beliefs;

(5) as the United States manages multiple strategic challenges, the enduring strength of the United States remains in alliances such as the North Atlantic Treaty Organization, the Rio Treaty, and mutual defense treaties with Japan, the Republic of Korea, Australia, the Philippines, and Thailand;

(6) the resolve of the United States remains as strong as ever to forge new alliances and partnerships with countries in order to jointly to work with one

another on shared challenges in Europe, the Indo-Pacific and throughout the world;

(7) the United States will continue to invest in critical capabilities, build a force posture that decreases the vulnerabilities of the United States and increases resiliency, all of which will help reassure the allies and partners of the United States;

(8) the United States will encourage allies and partners to be full and cooperative partners in their own defense and the defense of the free and open international order; and

(9) the United States will continue to deepen and expand alliances, especially in the Indo-Pacific, and will take no ally for granted.

SEC. 1269. REMOVAL OF TURKEY FROM THE F–35 PROGRAM.

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

(1) The Government of the Republic of Turkey continues to unlawfully and wrongfully detain Andrew Brunson, a United States citizen, and continues to deny Mr. Brunson due process rights consistent with international norms.

(2) The Government of the Republic of Turkey has wrongly charged Andrew Brunson with belonging to a terrorist organization and engaging in terrorist activities.

(3) The Government of the Republic of Turkey, including the senior leadership of the government, bears direct responsibility for the health and safety of Andrew Brunson while he remains in the custody of the Government of the Republic of Turkey.

(4) Congress will not tolerate any foreign government's efforts to use United States citizens for political leverage.

(5) President Erdogan, along with other senior officials of the Government of the Republic of Turkey, have publicly and repeatedly stated the intention of the Government of the Republic of Turkey to purchase the S–400 system from Russia, an act that is sanctionable under current United States law.

(6) Any effort by the Government of the Republic of Turkey to further enhance their relationship with Russia will degrade the general security of the NATO alliance, and NATO member countries, and degrade interoperability of the alliance.

(b) REPORT.—The Secretary of Defense shall submit to the appropriate congressional committees a plan to remove the Government of the Republic of Turkey from participation in the F–35 program, to include industrial and military aspects of the program. The plan shall include:

(1) steps required to unwind industrial participation of Turkish industry in the manufacturing and assembly of the F–35 program;

(2) costs associated with replacing tooling and other manufacturing materials held by Turkish industry;

(3) timelines associated with the removal of the Government of the Republic of Turkey and Turkish industry from participation in the F–35 program, so as to cause the least impact on the remaining international program partners; and

(4) steps required to prohibit the transfer of any F–35 aircraft currently owned and operated, by the Government of the Republic of Turkey, from the territory of the United States.

(c) LIMITATION ON THE TRANSFER OF THE F–35 TO TURKEY.—The Department of Defense may not transfer the title for any F–35 aircraft to the Government of the Republic of Turkey, until such time as the report identified in subsection (b) has been submitted.

(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. 1270. INCREASE IN MINIMUM AMOUNT OF OBLIGATIONS FROM THE SPECIAL DEFENSE ACQUISITION FUND FOR PRECISION GUIDED MUNITIONS.

(a) INCREASE.—Section 114(c)(3) of title 10, United States Code, is amended by striking "20 percent" and inserting "25 percent".

(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall take effect on October 1, 2018, and shall apply with respect to fiscal years beginning on and after that date.

TITLE XIII—COOPERATIVE THREAT REDUCTION

SEC. 1301. SPECIFICATION OF COOPERATIVE THREAT REDUCTION FUNDS.

(a) FISCAL YEAR 2019 COOPERATIVE THREAT REDUCTION FUNDS DEFINED.—In this title, the term "fiscal year 2019 Cooperative Threat Reduction funds" means the funds appropriated pursuant to the authorization of appropriations in section 301 and made available by the funding table in section 4301 for the Department of Defense Cooperative Threat Reduction Program established under section

1321 of the Department of Defense Cooperative Threat Reduction Act (50 U.S.C. 3711).

(b) AVAILABILITY OF FUNDS.—Funds appropriated pursuant to the authorization of appropriations in section 301 and made available by the funding table in section 4301 for the Department of Defense Cooperative Threat Reduction Program shall be available for obligation for fiscal years 2019, 2020, and 2021.

SEC. 1302. FUNDING ALLOCATIONS.

Of the $335,240,000 authorized to be appropriated to the Department of Defense for fiscal year 2019 in section 301 and made available by the funding table in section 4301 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, $2,823,000.

(2) For chemical weapons destruction, $5,446,000.

(3) For global nuclear security, $29,001,000.

(4) For cooperative biological engagement, $197,585,000.

(5) For proliferation prevention, $74,937,000.

(6) For activities designated as Other Assessments/Administrative Costs, $25,448,000.

TITLE XIV—OTHER AUTHORIZATIONS

Subtitle A—Military Programs

SEC. 1401. WORKING CAPITAL FUNDS.

Funds are hereby authorized to be appropriated for fiscal year 2019 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 2019 for expenses, not otherwise provided for, for Chemical Agents and Munitions Destruction, Defense, as specified in the funding table in section 4501.

(b) USE.—Amounts authorized to be appropriated under subsection (a) are authorized for—

(1) the destruction of lethal chemical agents and munitions in accordance with section 1412 of the Department of Defense Authorization Act, 1986 (50 U.S.C. 1521); and

(2) the destruction of chemical warfare materiel of the United States that is not covered by section 1412 of such Act.

SEC. 1403. DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE-WIDE.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 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 2019 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 2019 for the Defense Health Program, as specified in the funding table in section 4501, for use of the Armed Forces and other activities and agencies of the Department of Defense in providing for the health of eligible beneficiaries.

Subtitle B—National Defense Stockpile

SEC. 1411. CONSOLIDATION OF REPORTING REQUIREMENTS UNDER THE STRATEGIC AND CRITICAL MATERIALS STOCK PILING ACT.

Section 11 of the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98h–2) is amended—

(1) in subsection (a), by striking "January 15 of" and inserting "February 15"; and

(2) in subsection (b)—

(A) in paragraph (1), by striking "Not later" and all that follows through "report containing" and inserting "Each report under subsection (a) shall also include"; and

(B) in paragraph (2)—

(i) by striking "Each such report" in the first sentence and inserting "Each report under subsection (a) with respect to matters covered by this subsection"; and

(ii) by striking "Each such report" in the second sentence and inserting "Each report under subsection (a) with respect to such matters".

Subtitle C—Armed Forces Retirement Home

SEC. 1421. AUTHORIZATION OF APPROPRIATIONS FOR ARMED FORCES RETIREMENT HOME.

There is hereby authorized to be appropriated for fiscal year 2019 from the Armed Forces Retirement Home Trust Fund the sum of $64,300,000 for the operation of the Armed Forces Retirement Home.

SEC. 1422. EXPANSION OF ELIGIBILITY FOR RESIDENCE AT THE ARMED FORCES RETIREMENT HOME.

Section 1512 of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 412) is amended to read as follows:

"SEC. 1512. RESIDENTS OF RETIREMENT HOME.

"(a) PERSONS ELIGIBLE TO BE RESIDENTS.—Except as provided in subsection (b), the following persons who served as members of the Armed Forces, at least one-half of whose service was not active commissioned service (other than as a warrant officer or limited-duty officer), are eligible to become residents of the Retirement Home:

"(1) Persons who are 60 years of age or over and were discharged or released from service in the Armed Forces after 20 or more years of active service.

"(2) Persons who are determined under rules prescribed by the Chief Operating Officer to be suf-

fering from a service-connected disability incurred in the line of duty in the Armed Forces.

"(3) Persons who served in a war theater during a time of war declared by Congress or were eligible for hostile fire special pay under section 310 or 351 of title 37, United States Code, and who are determined under rules prescribed by the Chief Operating Officer to be suffering from injuries, disease, or disability.

"(4) Persons who served in a women's component of the Armed Forces before June 12, 1948, and are determined under rules prescribed by the Chief Operating Officer to be eligible for admission because of compelling personal circumstances.

"(b) PERSONS INELIGIBLE TO BE RESIDENTS.—The following persons are ineligible to become a resident of the Retirement Home:

"(1) A person who—

"(A) has been convicted of a felony; or

"(B) was discharged or released from service in the Armed Forces under other than honorable conditions.

"(2) A person with substance abuse or mental health problems, except upon a judgment and satisfac-

tory determination by the Chief Operating Officer that—

"(A) the person has been evaluated by a qualified health professional selected by the Retirement Home;

"(B) the Retirement Home can accommodate the person's condition; and

"(C) the person agrees to such conditions of residency as the Retirement Home may require.

"(c) ACCEPTANCE.—To apply for acceptance as a resident of a facility of the Retirement Home, a person eligible to be a resident shall submit to the Administrator of that facility an application in such form and containing such information as the Chief Operating Officer may require.

"(d) PRIORITIES FOR ACCEPTANCE.—The Chief Operating Officer shall establish a system of priorities for the acceptance of residents so that the most deserving applicants will be accepted whenever the number of eligible applicants is greater than the Retirement Home can accommodate.

"(e) SPOUSES OF RESIDENTS.—

"(1) AUTHORITY TO ADMIT.—Except as otherwise established pursuant to subsection (d), the spouse of a person accepted as a resident of a facility of the

Retirement Home may be admitted to that facility if the spouse—

"(A) is a covered beneficiary within the meaning of section 1072(5) of title 10, United States Code;

"(B) is not ineligible to become a resident as provided in subsection (b); and

"(C) submits an application for admittance in accordance with subsection (c).

"(2) TREATMENT AS RESIDENT.—A spouse admitted in accordance with paragraph (1) shall be a resident of the Retirement Home consistent with this Act, except as the Chief Operating Officer may otherwise provide.".

SEC. 1423. OVERSIGHT OF HEALTH CARE PROVIDED TO RESIDENTS OF THE ARMED FORCES RETIREMENT HOME.

Section 1513A(c) of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 413a(c)) is amended—

(1) by striking paragraph (1) and inserting the following new paragraph (1):

"(1) Facilitate and monitor the timely availability to residents of the Retirement Home such medical, mental health, and dental care services as such

residents may require at locations other than the Retirement Home.''; and

(2) in paragraph (2), by striking ''Ensure'' and inserting ''Monitor''.

SEC. 1424. MODIFICATION OF AUTHORITY ON ACCEPTANCE OF GIFTS FOR THE ARMED FORCES RETIREMENT HOME.

Paragraph (1) of section 1515(f) of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 415(f)) is amended to read as follows:

''(1) The Chief Operating Officer may accept, receive, solicit, hold, administer, and use any gift, devise, or bequest, either absolutely or in trust, of real or personal property, or any income therefrom or other interest therein, for the benefit of the Retirement Home.''.

SEC. 1425. RELIEF FOR RESIDENTS OF THE ARMED FORCES RETIREMENT HOME IMPACTED BY INCREASE IN FEES.

(a) PROHIBITION ON REMOVAL FOR INABILITY TO PAY FEE INCREASE.—A resident of the Armed Forces Retirement Home as of September 30, 2018, may not be removed or released from the Retirement Home after that date based solely upon the inability of the resident to pay the amount of any increase in fees applicable to residents of the Retirement Home that takes effect on October 1, 2018.

(b) OTHER RELIEF.—The Chief Operating Officer of the Armed Forces Retirement Home shall take all actions practicable to accommodate residents of the Retirement Home who are impacted by the fee structure applicable to residents of the Retirement Home that takes effect on October 1, 2018, including through hardship relief, additional deductions from gross income, and other appropriate actions.

SEC. 1426. LIMITATION ON APPLICABILITY OF FEE INCREASE FOR RESIDENTS OF THE ARMED FORCES RETIREMENT HOME.

In the case of an individual who was a resident of the Armed Forces Retirement Home as of April 9, 2018, the increase in fees pursuant to the increase in fees for residents of the Home scheduled to take effect on October 1, 2018, may not exceed an amount equal to 50 percent of the fees payable by such individual as such a resident as of April 9, 2018.

Subtitle D—Other Matters

SEC. 1431. 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, $113,000,000 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. 1432. ECONOMICAL AND EFFICIENT OPERATION OF WORKING CAPITAL FUND ACTIVITIES.

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

(1) by inserting "(1)" after "(e)"; and

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

"(2) The accomplishment of the most economical and efficient organization and operation of working capital fund activities for the purposes of paragraph (1) shall include actions toward the following:

"(A) The implementation of a workload plan that optimizes the efficiency of the workforce operating within a working capital fund activity and reduces the rate structure.

"(B) Encouraging a working capital fund activity to perform reimbursable work for other entities to sustain the efficient use of the workforce.

"(C) Determining the appropriate leadership level for approving work from outside entities to maximize efficiency.".

TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

Subtitle A—Authorizations of Appropriations

SEC. 1501. PURPOSE.

The purpose of this subtitle is to authorize appropriations for the Department of Defense for fiscal year 2019 to provide additional funds for overseas contingency operations being carried out by the Armed Forces.

SEC. 1502. OVERSEAS CONTINGENCY OPERATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the Department of Defense for overseas contingency operations in such amounts as may be designated as provided in section 251(b)(2)(A)(ii) of the Balanced Budget and Emergency Deficit Control Act of 1985 (2 U.S.C. 901(b)(2)(A)(ii)).

SEC. 1503. PROCUREMENT.

Funds are hereby authorized to be appropriated for fiscal year 2019 for procurement accounts for the Army, the Navy and the Marine Corps, the Air Force, and Defense-wide activities, as specified in the funding table in section 4102.

SEC. 1504. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Department of Defense for research, development, test, and evaluation, as specified in the funding table in section 4202.

SEC. 1505. OPERATION AND MAINTENANCE.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for operation and maintenance, as specified in the funding table in section 4302.

SEC. 1506. MILITARY PERSONNEL.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for military personnel, as specified in the funding table in section 4402.

SEC. 1507. WORKING CAPITAL FUNDS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for providing capital for working capital and revolving funds, as specified in the funding table in section 4502.

SEC. 1508. DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE-WIDE.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 for expenses, not otherwise provided for, for Drug Interdiction and Counter-Drug Activities, Defense-wide, as specified in the funding table in section 4502.

SEC. 1509. DEFENSE INSPECTOR GENERAL.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 for expenses, not otherwise provided for, for the Office of the Inspector General of the Department of Defense, as specified in the funding table in section 4502.

SEC. 1510. DEFENSE HEALTH PROGRAM.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 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. 1521. 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. 1522. 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 authorizations that the Secretary may transfer under the authority of this subsection may not exceed $3,500,000,000.

(b) TERMS AND CONDITIONS.—Transfers under this section shall be subject to the same terms and conditions as transfers under section 1001.

(c) ADDITIONAL AUTHORITY.—The transfer authority provided by this section is in addition to the transfer authority provided under section 1001.

Subtitle C—Other Matters

SEC. 1531. JOINT IMPROVISED-THREAT DEFEAT ORGANIZATION.

(a) USE AND TRANSFER OF FUNDS.—

(1) IN GENERAL.—Subsections (b) and (c) of section 1514 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 120 Stat. 2439), as in effect before the amendments made by section 1503 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat. 4649), shall apply to amounts made available for fiscal year 2019 for the Department of Defense for the Joint Improvised-Threat Defeat Organization.

(2) REFERENCES TO JOINT IMPROVISED EXPLOSIVE DEVICE DEFEAT FUND.—In the application of paragraph (1) to the use of funds described in that paragraph in fiscal year 2019, any reference in the subsections referred to in that paragraph to the Joint Improvised Explosive Device Defeat Fund shall be deemed to be a reference to the Joint Improvised-Threat Defeat Organization.

(b) INTERDICTION OF IMPROVISED EXPLOSIVE DEVICE PRECURSOR CHEMICALS.—

(1) AVAILABILITY OF FUNDS.—Of the amounts authorized to be appropriated for fiscal year 2019 for the Department of Defense by this Act for the Joint Improvised-Threat Defeat Organization, $15,000,000 may be made available to the Secretary of Defense,

with the concurrence of the Secretary of State, to provide training, equipment, supplies, and services to ministries and other entities of foreign governments that the Secretary of Defense has identified as critical for countering the flow of improvised explosive device precursor chemicals.

(2) PROVISION THROUGH OTHER UNITED STATES AGENCIES.—If jointly agreed upon by the Secretary of Defense and the head of another department or agency of the United States Government, the Secretary of Defense may transfer amounts made available under paragraph (1) to such department or agency for the provision by such department or agency of training, equipment, supplies, and services to ministries and other entities of foreign governments as described in that paragraph.

(3) NOTICE TO CONGRESS.—None of the funds made available under paragraph (1) may be obligated or expended to supply training, equipment, supplies, or services to a foreign country before the date that is 15 days after the date on which the Secretary of Defense, in coordination with the Secretary of State, has submitted to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House

of Representatives a notice that includes each of the following:

(A) The name of the foreign country for which training, equipment, supplies, or services are proposed to be supplied.

(B) A description of the training, equipment, supplies, and services to be provided to such foreign country using such funds.

(C) A detailed description of the amounts proposed to be obligated or expended to supply such training, equipment, supplies, or services, including—

(i) any amounts proposed to be obligated or expended to support the participation of a department or agency of the United States Government other than the Department of Defense; and

(ii) a description of the training, equipment, supplies, or services proposed to be supplied.

(D) An evaluation of the effectiveness of the efforts of such foreign country to counter the flow of improvised explosive device precursor chemicals.

(E) An overall plan for countering the flow of precursor chemicals in such foreign country.

(4) EXPIRATION.—The authority provided by this subsection expires on December 31, 2019.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

Subtitle A—Space Activities

SEC. 1601. MODIFICATIONS TO SPACE RAPID CAPABILITIES OFFICE.

Section 2273a of title 10, United States Code, is amended—

(1) in subsection (a), by striking "joint";

(2) in subsection (b), in the first sentence, by striking "Department of Defense Executive Agent for Space" and inserting "Secretary of the Air Force";

(3) in subsection (c)—

(A) in paragraph (1), by striking "; and" and inserting a semicolon;

(B) in paragraph (2), by striking the period at the end and inserting "; and"; and

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

"(3) to rapidly develop and field new classified space capabilities."; and

(4) by striking subsections (d) through (g) and inserting the following new subsections (d) through (f):

"(d) ACQUISITION AUTHORITY.—The acquisition activities of the Office shall be subject to the following:

"(1) The Secretary of the Air Force shall designate the acquisition executive of the Office, who shall provide streamlined acquisition authority for any project of the Office.

"(2) The Joint Capabilities Integration and Development System process shall not apply to any acquisition by the Office.

"(3) The Joint Force Space Component of the United States Strategic Command shall establish, validate, and prioritize program requirements.

"(e) REQUIRED PROGRAM ELEMENT.—

"(1) The Secretary of the Air Force shall ensure, within budget program elements for space programs, that—

"(A) there are separate, dedicated program elements for unclassified and classified activities relating to space rapid capabilities; and

"(B) the Office executes the responsibilities of the Office through those program elements.

"(2) The Office shall manage the program elements required by paragraph (1).

"(f) BOARD OF DIRECTORS.—The Secretary of the Air Force shall establish for the Office a Board of Directors (to be known as the 'Space Rapid Capabilities Board of Directors') to provide coordination, oversight, and approval of projects for the Office.".

SEC. 1602. SPACE WARFIGHTING POLICY AND REVIEW OF SPACE CAPABILITIES.

(a) SPACE WARFIGHTING POLICY.—Not later than March 29, 2019, the Secretary of Defense shall develop a space warfighting policy.

(b) REVIEW OF SPACE CAPABILITIES.—

(1) IN GENERAL.—The Secretary shall conduct a review relating to the national security space enterprise that evaluates the following:

(A) The resiliency of the national security space enterprise with respect to a conflict.

(B) The ability of the national security space enterprise to attribute an attack on a space system in a timely manner.

(C) The ability of the United States—

(i) to resolve a conflict in space; and

(ii) to determine the material means by which such conflict may be resolved.

(D) The ability of the national security space enterprise—

(i) to defend against aggressive behavior in space at all levels of conflict;

(ii) to defeat any adversary that demonstrates aggressive behavior in space at all levels of conflict;

(iii) to deter aggressive behavior in space at all levels of conflict; and

(iv) to develop a declassification strategy, if required to demonstrate deterrence.

(E) The effectiveness and efficiency of the national security space enterprise to rapidly research, develop, acquire, and deploy space capabilities and capacities—

(i) to deter and defend United States national security space assets; and

(ii) to respond to any new threat to such space assets.

(F) The current organizational structure of the national security space enterprise with respect to roles, responsibilities, and authorities.

(G) Any emerging space threat the Secretary expects the United States to confront dur-

ing the 10-year period beginning on the date of the enactment of this Act.

(H) Such other matters as the Secretary considers appropriate.

(2) REPORT.—

(A) IN GENERAL.—Not later than March 29, 2019, the Secretary shall submit to the congressional defense committees a report on the findings of the review under paragraph (1).

(B) FORM.—The report under subparagraph (A) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1603. REPORT ON ENHANCEMENTS TO THE GLOBAL POSITIONING SYSTEM OPERATIONAL CONTROL SEGMENT.

(a) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report that identifies whether the current Global Positioning System Operational Control Segment (OCS) can be incrementally improved to achieve capabilities similar to the Next Generation Operational Control Segment (OCX) used to operate the Global Positioning System III.

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

(1) A cybersecurity review of both OCS and OCX to determine the specific cybersecurity improvements needed to operate the system through 2030, including—

(A) the cybersecurity improvements to OCS needed to match the cybersecurity capabilities that OCX is intended to provide;

(B) any additional OCS cybersecurity protections needed beyond those OCX is intended to provide; and

(C) any additional OCX cybersecurity protections needed beyond those for which OCX is currently contracted.

(2) An incremental development plan for OCS, including—

(A) the number of additional incremental upgrades needed to achieve capabilities similar to OCX, including a discussion of—

(i) any additional capabilities needed;

(ii) the specific capabilities in each upgrade;

(iii) the duration of each upgrade; and

(iv) a full schedule to complete all upgrades;

(B) the estimated cost for each incremental OCS upgrade; and

(C) the total estimated cost across fiscal years for all OCS upgrades to achieve capabilities similar to OCX and any additional capabilities.

(3) The date by which the Department of Defense would have to begin contracting for each incremental OCS upgrade to ensure availability of OCS for the Global Positioning System III.

(4) A comparison of current improvements to OCS that are underway, and additional OCS incremental improvements described under paragraph 2, to the program of record OCX capabilities, including—

(A) the acquisition and sustainment cost by fiscal year through fiscal year 2030 for OCS and OCX;

(B) a comparison schedule between OCS (including incremental improvements described under paragraph 2) and OCX that identifies the delivery dates and capability delivered; and

(C) the cost and schedule required to provide OCX with any additional needed capabilities that are now required and not currently in the program of record.

SEC. 1604. STREAMLINE OF COMMERCIAL SPACE LAUNCH OPERATIONS.

Section 1617 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–92; 129 Stat. 1106; 51 U.S.C. 50918 note) is amended—

(1) in subsection (c)—

(A) by redesignating paragraphs (2) and (3) as paragraphs (3) and (4), respectively; and

(B) by inserting after paragraph (1) the following new paragraph (2):

"(2) STREAMLINING.—

"(A) IN GENERAL.—With respect to any licensed activity under chapter 509 of title 51, United States Code, the Secretary of Defense may not impose any requirement on a licensee or transferee that is duplicative of, or overlaps in intent with, any requirement imposed by the Secretary of Transportation under that chapter.

"(B) WAIVER.—The Secretary of Defense may waive the limitation under subparagraph (A) if the Secretary determines that imposing a requirement described in that subparagraph is necessary to avoid negative consequences for the national security space program."; and

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

"(d) EFFECT OF LAW.—Nothing in this section limits the ability of the Secretary of Defense to consult with the Secretary of Transportation with respect to requirements and approvals under chapter 509 of title 51, United States Code.".

SEC. 1605. REUSABLE LAUNCH VEHICLES.

(a) REUSABILITY.—The Evolved Expendable Launch Vehicle Program shall be designated as the "National Security Space Launch Program".

(b) REFERENCE TO EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM.—Any reference in any law, regulation, guidance, instruction, map, document, record, or other paper of the United States to the Evolved Expendable Launch Vehicle Program shall be deemed to be a reference to the National Security Space Launch Program.

(c) POLICY.—In carrying out the policy set forth in section 2273 of title 10, United States Code, the Secretary of Defense shall pursue a strategy that includes fully or partially reusable launch systems.

(d) CERTIFICATION STRATEGY.—The Secretary shall continue to develop a process to evaluate and certify launch vehicles using previously flown components or systems for national security space launch.

(e) REPORTING REQUIREMENT.—Not less than 60 days before the date on which a solicitation for procurement of

space launch services is issued, the Secretary shall submit to the congressional defense committees a report that sets forth—

(1) a determination with respect to whether launch vehicles using previously flown components, or systems or with components or systems that are intended to be reused, that could otherwise meet mission requirements are eligible for award; and

(2) in the case of a determination that such launch vehicles shall not be eligible for award, a justification with respect to the reason for ineligibility.

SEC. 1606. REVIEW OF AND REPORT ON ACTIVITIES OF INTERNATIONAL SPACE STATION.

(a) IN GENERAL.—Not later than March 1, 2019, the Secretary of Defense shall—

(1) in coordination with the Administrator of the National Aeronautics and Space Administration, complete a review of each program, activity, and future technology research project of the Department of Defense being carried out on the International Space Station as of that date; and

(2) submit to the appropriate committees of Congress a report that describes the results of the review under paragraph (1).

(b) 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 Commerce, Science, and Transportation of the Senate; and

(2) the Committee on Armed Services, the Committee on Energy and Commerce, and the Committee on Science, Space, and Technology of the House of Representatives.

Subtitle B—Defense Intelligence and Intelligence-related Activities

SEC. 1611. FRAMEWORK ON GOVERNANCE, MISSION MANAGEMENT, RESOURCING, AND EFFECTIVE OVERSIGHT OF DEPARTMENT OF DEFENSE COMBAT SUPPORT AGENCIES THAT ARE ALSO ELEMENTS OF THE INTELLIGENCE COMMUNITY.

(a) FRAMEWORK REQUIRED.—

(1) IN GENERAL.—In accordance with section 105 of the National Security Act of 1947 (50 U.S.C. 3038), section 193 of title 10, United States Code, and section 1018 of the Intelligence Reform and Terrorism Prevention Act of 2004 (Public Law 108–458; 50 U.S.C. 3023 note), the Secretary of Defense shall de-

velop and codify in policy a framework and supporting processes within the Department of Defense to help ensure that the missions, roles, and functions of the Combat Support Agencies (CSA) of the Department of Defense that are also elements of the intelligence community (IC), and other intelligence components of the Department, are appropriately balanced and resourced.

(2) SCOPE.—The framework shall include a consistent, repeatable process for regular reevaluation of the responsibilities and resource profiles of the elements described in paragraph (1) for purposes of preventing imbalances in priorities, insufficient or misaligned resources, and mission creep.

(b) ELEMENTS.—The framework required by subsection (a) shall include the following:

(1) A lexicon of relevant terms used by the Department of Defense to ensure consistent definitions are used in determinations about the balance described in subsection (a)(1), which lexicon shall reconcile and codify jointly-used definitions.

(2) A reevaluation of the intelligence components of the Department, including the Joint Intelligence Centers and Joint Intelligence Operations Centers within the combatant commands, in order to deter-

mine which components should be formally designated as part of the intelligence community and any components not so designated conform to relevant tradecraft standards.

(3) A repeatable Department process for evaluating the addition, transfer, or elimination of defense intelligence missions, roles, and functions, currently or to be performed by elements described in subsection (a)(1), which process shall include the following:

(A) A justification for any proposed addition, transfer, or elimination of a mission, role, or function.

(B) The identification of the elements in the Federal Government, if any, that currently perform the mission, role, or function concerned.

(C) For any proposed addition of a mission, role, or function, an assessment of the most appropriate element of the Department to assume it, taking into account current resource profiles, scope of existing responsibilities, primary customers, and infrastructure necessary to support the addition.

(D) For any proposed addition of transfer of a mission, role, or function—

(i) a determination of the appropriate resource profile for such mission, role, or function; and

(ii) the identification, in writing, for the Department elements concerned of the resources anticipated to be needed and source of such resources within the future-years defense program in effect at the time of the proposed addition or transfer.

(c) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall provide to the appropriate committees of Congress a briefing on the framework required by subsection (a).

(d) POLICY.—Not later than 270 days after the date of the enactment of this Act, the Secretary shall submit to the appropriate committees of Congress a report setting forth the policy that codifies the framework required by subsection (a).

(e) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

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

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

Subtitle C—Cyberspace-related Matters

PART I—CYBERSPACE GENERALLY

SEC. 1621. POLICY OF THE UNITED STATES ON CYBERSPACE, CYBERSECURITY, CYBER WARFARE, AND CYBER DETERRENCE.

(a) IN GENERAL.—It shall be the policy of the United States, with respect to matters pertaining to cyberspace, cybersecurity, and cyber warfare, that the United States should employ all instruments of national power, including the use of offensive cyber capabilities, to deter if possible, and respond when necessary, to any and all cyber attacks or other malicious cyber activities that target United States interests with the intent to—

(1) cause casualties among United States persons or persons of our allies;

(2) significantly disrupt the normal functioning of United States democratic society or government (including attacks against critical infrastructure that could damage systems used to provide key services to the public or government);

(3) threaten the command and control of the United States Armed Forces, the freedom of maneuver of the United States Armed Forces, or the industrial base or other infrastructure on which the United States Armed Forces rely to defend United States interests and commitments; or

(4) achieve an effect, whether individually or in aggregate, comparable to an armed attack or imperil a vital interest of the United States.

(b) RESPONSE OPTIONS.—In carrying out the policy set forth in subsection (a), the United States shall plan, develop, and demonstrate response options to address the full range of potential cyber attacks on United States interests that could be conducted by potential adversaries of the United States.

(c) DENIAL OPTIONS.—In carrying out the policy set forth in subsection (a) through response options developed pursuant to subsection (b), the United States shall, to the greatest extent practicable, prioritize the defensibility and resiliency against cyber attacks and malicious cyber activities described in subsection (a) of infrastructure critical to the political integrity, economic security, and national security of the United States.

(d) COST-IMPOSITION OPTIONS.—In carrying out the policy set forth in subsection (a) through response options

developed pursuant to subsection (b), the United States shall develop and demonstrate, or otherwise make known to adversaries of the existence of, cyber capabilities to impose costs on any foreign power targeting the United States or United States persons with a cyber attack or malicious cyber activity described in subsection (a).

(e) MULTI-PRONG RESPONSE.—In carrying out the policy set forth in subsection (a) through response options developed pursuant to subsection (b), the United States shall—

(1) devote immediate and sustained attention to boosting the cyber resilience of critical United States strike systems (including cyber, nuclear, and non-nuclear systems) in order to ensure the United States can credibly threaten to impose unacceptable costs in response to even the most sophisticated large-scale cyber attack;

(2) develop offensive cyber capabilities and specific plans and strategies to put at risk targets most valued by adversaries of the United States and their key decision makers;

(3) enhance attribution capabilities to reduce the time required to positively attribute an attack with high confidence; and

(4) develop intelligence and offensive cyber capabilities to detect, disrupt, and potentially expose malicious cyber activities.

(f) POLICIES RELATING TO OFFENSIVE CYBER CAPABILITIES AND SOVEREIGNTY.—It is the policy of the United States that, when a cyber attack or malicious cyber activity transits or otherwise relies upon the networks or infrastructure of a third country—

(1) the United States shall, to the greatest extent practicable, notify and encourage the government of that country to take action to eliminate the threat; and

(2) if the government is unable or unwilling to take action, the United States reserves the right to act unilaterally (with the consent of that government if possible, but without such consent if necessary).

(g) AUTHORITY OF SECRETARY OF DEFENSE.—

(1) IN GENERAL.—The Secretary of Defense has the authority to develop, prepare, coordinate, and, when appropriately authorized to do so, conduct military cyber operations in response to cyber attacks and malicious cyber activities described in subsection (a) that are carried out against the United States or United States persons by a foreign power.

(2) DELEGATION OF ADDITIONAL AUTHORITIES.—The Secretary may delegate to the Commander of the United States Cyber Command such authorities of the Secretaries of the military departments, including authorities relating to manning, training, and equipping, that the Secretary considers appropriate.

(3) USE OF DELEGATED AUTHORITIES.—The use by the Commander of the United States Cyber Command of any authority delegated to the Commander pursuant to this subsection shall be subject to the authority, direction, and control of the Secretary.

(4) RULE OF CONSTRUCTION.—Nothing in this subsection shall be construed to limit the authority of the President or Congress to authorize the use of military force.

(h) FOREIGN POWER DEFINED.—In this section, the term "foreign power" has the meaning given that term in section 101 of the Foreign Intelligence Surveillance Act of 1978 (50 U.S.C. 1801).

SEC. 1622. AFFIRMING THE AUTHORITY OF THE SECRETARY OF DEFENSE TO CONDUCT MILITARY ACTIVITIES AND OPERATIONS IN CYBERSPACE.

Section 130g of title 10, United States Code, is amended—

(1) by striking "The Secretary" and inserting the following:

"(a) IN GENERAL.—The Secretary";

(2) by adding at the end the following new subsections:

"(b) AFFIRMATION OF AUTHORITY.—(1) Congress affirms that the Secretary of Defense may conduct military activities or operations in cyberspace, including clandestine military activities or operations in cyberspace, to defend the United States and allies and interests of the United States, including in response to malicious cyber activity carried out against the United States or a United States person by a foreign power.

"(2) Congress affirms that the authority referred to in paragraph (1) includes the conduct of military activities or operations in cyberspace short of war and in areas outside of named areas of conflict for the purpose of preparation of the environment, influence, force protection, and deterrence of hostilities, or counterterrorism operations involving the armed forces of the United States.

"(c) CLANDESTINE ACTIVITIES OR OPERATIONS.—A clandestine military activity or operation in cyberspace shall be considered a traditional military activity for the purposes of section 503(e)(2) of the National Security Act of 1947 (50 U.S.C. 3093(e)(2)).

"(d) CONGRESSIONAL OVERSIGHT.—The Secretary shall brief the congressional defense committees about any military activities or operations in cyberspace, including clandestine military activities or operations in cyberspace, occurring during the previous quarter during the quarterly briefing required by section 484 of this title.

"(e) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to limit the authority of the Secretary to conduct military activities or operations in cyberspace, including clandestine activities or operations in cyberspace, or to alter or otherwise affect the War Powers Resolution (50 U.S.C. 1541–1548), the Authorization for Use of Military Force (Public Law 107–40; 50 U.S.C. 1541 note), or reporting of sensitive military cyber activities or operations required by section 130j of this title.

"(f) DEFINITIONS.—In this section:

"(1) The term 'clandestine military activity or operation in cyberspace' means a military activity or operation carried out in cyberspace, or associated preparatory actions, authorized by the President or the Secretary that—

"(A) is marked by, held in, or conducted with secrecy, where the intent is that the activity or operation will not be apparent or acknowledged publicly; and

"(B) is to be carried out—

"(i) as part of a military operation plan approved by the President or the Secretary in anticipation of hostilities or as directed by the President or the Secretary against—

"(I) adversaries (as defined by the National Security Strategy); or

"(II) other emergent national security threats;

"(ii) to deter, safeguard, or defend against attacks or malicious cyber activities against the United States or Department of Defense information, networks, systems, installations, facilities, or other assets; or

"(iii) in support of other information related capabilities such as military deception and psychological operations.

"(2) The term 'foreign power' has the meaning given such term in section 101 of the Foreign Intelligence Surveillance Act of 1978 (50 U.S.C. 1801).

"(3) The term 'United States person' has the meaning given such term in such section."; and

(3) in subsection (a), as designated by paragraph (1), by striking "(as" and all that follows through "))".

SEC. 1623. ACTIVE DEFENSE AND SURVEILLANCE AGAINST RUSSIAN FEDERATION ATTACKS IN CYBERSPACE.

(a) AUTHORITY TO DISRUPT, DEFEAT, AND DETER CYBER ATTACKS.—

(1) IN GENERAL.—In the event that the National Command Authority determines that the Russian Federation is conducting an active, systematic, and ongoing campaign of attacks against the government or people of the United States in cyberspace, the National Command Authority may authorize the Commander of the United States Cyber Command, acting through the Cyber Mission Forces assigned to the United States Cyber Command, to take appropriate and proportional action in cyberspace to disrupt, defeat, and deter such attacks under the authority and policy of the Secretary of Defense to conduct cyber operations and information operations as traditional military activities.

(2) NOTIFICATION AND REPORTING.—

(A) NOTIFICATION OF OPERATIONS.—IN exercising the authority provided in paragraph

(1), the Secretary shall provide notices to the congressional defense committees in accordance with section 130(f) of title 10, United States Code.

(B) QUARTERLY REPORTS BY COMMANDER OF THE UNITED STATES CYBER COMMAND.—

(i) IN GENERAL.—In any fiscal year in which the Commander of the United States Cyber Command carries out an action under paragraph (1), the Secretary of Defense shall, not less frequently than quarterly, submit to the congressional defense committees a report on the actions of the Commander under such paragraph in such fiscal year.

(ii) MANNER OF REPORTING.—Reports submitted under clause (i) shall be submitted in a manner that is consistent with the recurring quarterly report required by section 484 of title 10, United States Code.

(b) SURVEILLANCE.—

(1) IN GENERAL.—The Secretary of Defense, acting through the Commander of the United States Cyber Command and the cyber mission forces of such command, may conduct surveillance in networks out-

side the United States of personnel and organizations engaged at the behest or in support of the Russian Federation in—

(A) stealing and releasing confidential information from United States persons or supporting organizations who are campaigning for public office;

(B) generating and planting information and narratives, including the purchase of advertisements, in social and other media intended to mislead, sharpen social and political conflicts, or otherwise manipulate perceptions and opinions of the people of the United States;

(C) creating networks of subverted computers and associated false accounts on social media platforms for the purpose of spreading and amplifying the impact of information and narratives intended to mislead, sharpen social and political conflicts, or otherwise manipulate perceptions and opinions of the people of the United States; and

(D) developing or using cyber capabilities—

(i) to disable, disrupt, or destroy critical infrastructure of the United States; or

(ii) to cause—

(I) casualties among United States persons or persons of allies of the United States;

(II) significant damage to private or public property;

(III) significant economic disruption;

(IV) an effect, whether individually or in aggregate, comparable to that of an armed attack or one that imperils a vital national security interest of the United States; or

(V) significant disruption of the normal functioning of United States democratic society or government, including attacks against or incidents involving critical infrastructure that could damage systems used to provide key services to the public or government.

(2) PRIVATE SECTOR COOPERATION.—

(A) IN GENERAL.—The Secretary shall make arrangements, directly or through other government organizations, with private sector media representatives and organizations, includ-

ing social media companies, on a voluntary basis, using the results of the surveillance under paragraph (1) to assist in the identification of such malicious individuals and organizations and associated false or counterfeit accounts created on social media platforms.

(B) SECURITY CLEARANCES.—In carrying out subparagraph (A), the Secretary may grant such security clearances to individuals of media organizations as the Secretary considers necessary and appropriate to share evidence that supports the Secretary's conclusions regarding the individuals and organizations engaged in the activities described in paragraph (1).

(c) ANNUAL REPORT.—Not less frequently than once each year, the Secretary shall submit to the congressional defense committees and the congressional intelligence committees (as defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003)) a report on—

(1) the scope and intensity of the Russian Federation's information operations and attacks through cyberspace against the government or people of the United States observed by the cyber mission forces of the United States Cyber Command and the National Security Agency;

(2) adjustments of the Department of Defense in the response directed or recommended by the Secretary with respect to such operations and attacks; and

(3) whether the authorities under subsections (a) and (b) should be expanded to include other foreign powers, such as the Islamic Republic of Iran and the People's Republic of China.

SEC. 1624. REORGANIZATION AND CONSOLIDATION OF CERTAIN CYBER PROVISIONS.

(a) IN GENERAL.—Part I of subtitle A of title 10, United States Code, is amended—

(1) by transferring sections 130g, 130j, and 130k to chapter 19; and

(2) in chapter 19, by redesignating sections 130g, 130j, and 130k, as transferred by subparagraph (A), as sections 394, 395, and 396, respectively.

(b) CONFORMING AMENDMENT.—Section 108(m) of the Cybersecurity Information Sharing Act of 2015 (6 U.S.C. 1507(m)) is amended by striking "under section 130g" and inserting "under section 394".

(c) CLERICAL AMENDMENTS.—(1) The table of sections at the beginning of chapter 3 of title 10, United States Code, is amended by striking the items relating to sections 130g, 130j, and 130k.

(2) The table of sections at the beginning of chapter 19 of such title is amended by adding at the end the following new items:

"394. Authorities concerning military cyber operations.
"395. Notification requirements for sensitive military cyber operations.
"396. Notification requirements for cyber weapons.".

SEC. 1625. DESIGNATION OF OFFICIAL FOR MATTERS RELATING TO INTEGRATING CYBERSECURITY AND INDUSTRIAL CONTROL SYSTEMS WITHIN THE DEPARTMENT OF DEFENSE.

(a) DESIGNATION OF INTEGRATING OFFICIAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall designate one official to be responsible for matters relating to integrating cybersecurity and industrial control systems within the Department of Defense.

(b) RESPONSIBILITIES.—The official designated pursuant to subsection (a) shall be responsible for matters described in such subsection at all levels of command, from the Department to the facility using industrial control systems, including developing Department-wide certification standards for integration of industrial control systems and taking into consideration frameworks set forth by the National Institute of Standards and Technology for the cybersecurity of such systems.

SEC. 1626. ASSISTANCE FOR SMALL MANUFACTURERS IN THE DEFENSE INDUSTRIAL SUPPLY CHAIN ON MATTERS RELATING TO CYBERSECURITY.

(a) DISSEMINATION OF CYBERSECURITY RESOURCES.—

(1) IN GENERAL.—The Under Secretary of Defense for Research and Engineering, in consultation with the Director of the National Institute of Standards and Technology, shall take such actions as may be necessary to enhance awareness of cybersecurity threats among small manufacturers in the defense industrial supply chain.

(2) PRIORITY.—The Under Secretary of Defense for Research and Engineering shall prioritize efforts to increase awareness to help reduce cybersecurity risks faced by small manufacturers described in paragraph (1).

(3) SECTOR FOCUS.—The Under Secretary of Defense for Research and Engineering shall carry out this subsection with a focus on such industry sectors as the Under Secretary considers critical.

(4) OUTREACH EVENTS.—Under paragraph (1), the Under Secretary of Defense for Research and Engineering shall conduct outreach to support activities consistent with this section. Such outreach may in-

clude live events with a physical presence and outreach conducted through Internet websites.

(b) VOLUNTARY CYBERSECURITY SELF-ASSESSMENTS.—The Under Secretary of Defense for Research and Engineering shall develop mechanisms to provide assistance to help small manufacturers conduct voluntary self-assessments in order to understand operating environments, cybersecurity requirements, and existing vulnerabilities, including through the Mentor Protégé Program, small business programs, and engagements with defense laboratories and test ranges.

(c) TRANSFER OF RESEARCH FINDINGS AND EXPERTISE.—

(1) IN GENERAL.—The Under Secretary of Defense for Research and Engineering shall promote the transfer of appropriate technology and techniques developed in the Department of Defense to small manufacturers throughout the United States to implement security measures that are adequate to protect covered defense information, including controlled unclassified information.

(2) COORDINATION WITH OTHER FEDERAL EXPERTISE AND CAPABILITIES.—The Under Secretary of Defense for Research and Engineering shall coordinate efforts, when appropriate, with the expertise and

capabilities that exist in Federal agencies and federally sponsored laboratories.

(3) AGREEMENTS.—In carrying out this subsection, the Under Secretary of Defense for Research and Engineering may enter into agreements with private industry, institutes of higher education, or a State, United States territory, local, or tribal government to ensure breadth and depth of coverage to the United States defense industrial base and to leverage resources.

(d) DEFENSE ACQUISITION WORKFORCE CYBER TRAINING PROGRAM.—The Secretary of Defense shall establish a cyber counseling certification program, or approve a similar existing program, to certify small business professionals and other relevant acquisition staff within the Department of Defense to provide cyber planning assistance to small manufacturers in the defense industrial supply chain.

(e) AUTHORITIES.—In executing this program, the Secretary may use the following authorities:

(1) The Manufacturing Technology Program established under section 2521 of title 10, United States Code.

(2) The Centers for Science, Technology, and Engineering Partnership program under section 2368 of title 10, United States Code.

(3) The Manufacturing Engineering Education Program established under section 2196 of title 10, United States Code.

(4) The Small Business Innovation Research program.

(5) The mentor-protégé program.

(6) Other legal authorities as the Secretary deems necessary for the effective and efficient execution of the program.

(f) DEFINITIONS.—In this section:

(1) RESOURCES.—The term "resources" means guidelines, tools, best practices, standards, methodologies, and other ways of providing information.

(2) SMALL BUSINESS CONCERN.—The term "small business concern" means a small business concern as that term is used in section 3 of the Small Business Act (15 U.S.C. 632).

(3) SMALL MANUFACTURER.—The term "small manufacturer" means a small business concern that is a manufacturer.

(4) STATE.—The term "State" means each of the several States, Territories, and possessions of the

United States, the District of Columbia, and the Commonwealth of Puerto Rico.

SEC. 1627. MODIFICATION OF ACQUISITION AUTHORITY OF THE COMMANDER OF THE UNITED STATES CYBER COMMAND.

(a) MODIFICATION OF LIMITATION ON USE OF CYBER OPERATIONS PROCUREMENT FUND.—Subsection (e) of section 807 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2224 note) is amended—

(1) by striking "$75,000,000" and inserting "$250,000,000"; and

(2) by striking "2021" and inserting "2025".

(b) EXTENSION ON SUNSET.—Subsection (i)(1) of such section is amended by striking "September 30, 2021" and inserting "September 30, 2025".

SEC. 1628. EMAIL AND INTERNET WEBSITE SECURITY AND AUTHENTICATION.

(a) IMPLEMENTATION OF PLAN REQUIRED.—Except as provided by subsection (b), the Secretary of Defense shall develop and implement the plan outlined in Binding Operational Directive 18–01, issued by the Secretary of Homeland Security on October 16, 2017, relating to email security and authentication and Internet website security, according to the schedule established by the Binding Oper-

ational Directive for the rest of the Executive Branch beginning with the date of enactment of this Act.

(b) ELEMENTS.—The actions required of the Secretary of Defense under subsection (a) include the following:

(1) The adoption of the START Transport Layer Security (STARTTLS) protocol for encryption.

(2) Enforcement of Sender Policy Framework (SPF), Domain Keys Identified Mail (DKIM), and Domain-based Message Authentication, Reporting, and Conformance (DMARC) for email authentication.

(3) Implementation of Hypertext Transfer Protocol Strict Transport Security (HSTS).

(c) WAIVER.—The Secretary may waive the requirements of subsection (a) if the Secretary submits to the congressional defense committees a certification that existing or planned security measures for the Department of Defense either meet or exceed the information security requirements of Binding Operational Directive 18–01.

(d) FUTURE BINDING OPERATIONAL DIRECTIVES.—The Chief Information Officer of the Department of Defense shall notify the congressional defense committees within 180 days of the issuance by the Secretary of Homeland Security after the date of the enactment of this Act of any Binding Operational Directive for cybersecurity whether the Department of Defense will comply with the Directive or how the

Department of Defense plans to meet or exceed the security objectives of the Directive.

SEC. 1629. MATTERS PERTAINING TO THE SHARKSEER CYBERSECURITY PROGRAM.

(a) TRANSFER OF PROGRAM.—Not later than March 1, 2019, the Secretary of Defense shall transfer the Sharkseer cybersecurity program from the National Security Agency to the Defense Information Systems Agency, including all associated funding and, as the Secretary considers necessary, personnel.

(b) LIMITATION ON FUNDING FOR THE INFORMATION SYSTEMS SECURITY PROGRAM.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 or any subsequent fiscal year for research, development, test, and evaluation for the Information Systems Security Program for the National Security Agency, not more than 90 percent may be obligated or expended unless the Principal Cyber Advisor certifies to the congressional defense committees that the operations and maintenance funding for the Sharkseer program for fiscal year 2019 and the subsequent fiscal years of the current Future Years Defense Program are available or programmed.

(c) SHARKSEER BREAK AND INSPECT CAPABILITY.—

(1) IN GENERAL.—The Secretary of Defense shall ensure that the decryption capability described in section 1636 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) is provided by the break and inspect subsystem of the Sharkseer cybersecurity program, unless the Principal Cyber Advisor notifies the congressional defense committees on or before the date that is 90 days after the date of the enactment of this Act that a superior enterprise solution will be operational before October 1, 2019.

(2) INTEGRATION OF CAPABILITY.—The Secretary shall take such actions as are necessary to integrate the break and inspect subsystem of the Sharkseer cybersecurity program with the Department of Defense public key infrastructure.

(d) VISIBILITY TO ENDPOINTS.—The Secretary shall take such actions as are necessary to enable, by October 1, 2020, the Sharkseer cybersecurity program and computer network defense service providers to instantly and automatically determine the specific identity and location of computer hosts and other endpoints that received or sent malware detected by the Sharkseer cybersecurity program or other network perimeter defenses.

(e) SANDBOX AS A SERVICE.—The Secretary shall use the Sharkseer cybersecurity program sandbox-as-a-service capability as an enterprise solution and terminate all other such projects, unless the Principal Cyber Advisor notifies the congressional defense committees on or before the date that is 90 days after the date of the enactment of this Act that a superior enterprise solution will be operational before October 1, 2019.

(f) AUTHORIZATION OF APPROPRIATIONS FOR BANDWIDTH EXPANSION.—There is authorized to be appropriated $20,000,000 for procurement, defense-wide, for the Defense Information Systems Agency to increase the bandwidth of the Sharkseer cybersecurity program to match the bandwidth of communications entering the Internet access points of the Department of Defense.

SEC. 1630. PILOT PROGRAM ON MODELING AND SIMULATION IN SUPPORT OF MILITARY HOMELAND DEFENSE OPERATIONS IN CONNECTION WITH CYBER ATTACKS ON CRITICAL INFRASTRUCTURE.

(a) PILOT PROGRAM REQUIRED.—

(1) IN GENERAL.—The Assistant Secretary of Defense for Homeland Defense and Global Security shall carry out a pilot program that uses the results of research exercises of local government, industry,

and military responses to combined natural disasters and cyber attacks on critical infrastructure in order to identify and develop means of improving such responses to such combined disasters and attacks.

(2) DISCHARGE.—The Assistant Secretary shall carry out the pilot program through the United States Northern Command and the United States Cyber Command.

(3) RESEARCH EXERCISES.—The pilot program shall be based on lessons learned from the so-called "Jack Voltaic" research exercises conducted by the Army Cyber Institute, industry partners of the Institute, and New York, New York, and Houston, Texas.

(b) PURPOSE.—The purpose of the pilot program shall be to accomplish the following:

(1) The development and demonstration of risk analysis methodologies, and the application of commercial simulation and modeling capabilities, based on artificial intelligence and hyperscale cloud computing technologies, for use by the Federal Governments, States, and localities, as applicable—

(A) to assess defense critical infrastructure vulnerabilities and interdependencies to improve military resiliency;

(B) to determine the likely effectiveness of attacks described in subsection (a)(1), and countermeasures, tactics, and tools supporting responsive military homeland defense operations;

(C) to train personnel in incident response;

(D) to conduct exercises and test scenarios; and

(E) to foster collaboration and learning between and among departments and agencies of the Federal Government, State and local governments, and private entities responsible for critical infrastructure.

(2) The development and demonstration of the foundations for establishing and maintaining a program of record for a shared high-fidelity, interactive, affordable, cloud-based modeling and simulation of critical infrastructure systems and incident response capabilities that can simulate complex cyber and physical attacks and disruptions on individual and multiple sectors on national, regional, State, and local scales.

(c) REPORT.—

(1) IN GENERAL.—At the same time the budget of the President for fiscal year 2020 is submitted to Congress pursuant to section 1105(a) of title 31,

United States Code, the Assistant Secretary shall, in consultation with the Secretary of Homeland Security, submit to the congressional defense committees a report on the pilot program.

(2) CONTENTS.—The report required by paragraph (1) shall include the following:

(A) A description of the results of the exercises described in subsection (a)(3) and any other exercises conducted as part of the pilot program as of the date of the report.

(B) A list of the cybersecurity units of the National Guard and Reserves, and a description and assessment of the progress of the Assistant Secretary and the National Governors' Association in promoting multi-State mutual assistance compacts to share resources with respect to combined natural disaster and cyber attacks described in subsection (a)(1) as well as an assessment of how the National Guard's ability to operate under dual jurisdictions and their existing relationships at the State and local level could be used in these types of events.

(C) A description of the risk analysis methodologies and modeling and simulation capabilities developed and demonstrated pursuant to the

pilot program, and an assessment of the potential for future growth of commercial technology in support of the homeland defense mission of the Department of Defense.

(D) Such recommendations as the Secretary considers appropriate regarding the establishment of a program of record for the Department on further development and sustainment of risk analysis methodologies and advanced, large-scale modeling and simulation on critical infrastructure and cyber warfare.

(E) Lessons learned from the use of novel risk analysis methodologies and large-scale modeling and simulation carried out under the pilot program regarding vulnerabilities, required capabilities, and reconfigured force structure, coordination practices, and policy.

(F) Planned steps for implementing the lessons described in subparagraph (E).

(d) FUNDING.—Of the amounts authorized to be appropriated for fiscal year 2019 by section 201 for research, development, test, and evaluation for the Army and available for Advanced Concepts and Simulation (Program Element (62308A)), $10,000,000 may be available for the pilot program.

SEC. 1631. SECURITY PRODUCT INTEGRATION FRAMEWORK.

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

(1) The Department of Defense requires a standard, enterprise-wide, security product integration framework (SPIF) that provides a machine-to-machine data exchange architecture and protocol to achieve interoperability and automated orchestration and coordinated action between and among cybersecurity services, devices, appliances, agents, applications, tools, and command and control centers.

(2) Information security products and services need to be engineered to consume and act on information, direction, and cues from other security elements on a network through this framework.

(3) A security product integration framework should ideally be non-proprietary or designed as a modular open system.

(4) A security integration framework is essential to achieve the speed, scale, and agility of response required for cyber warfare, and to reduce the cost and time needed to integrate new products and services into the existing security environment.

(b) DEMONSTRATION PROGRAM.—The Principal Cyber Adviser, the Chief Information Officer, and the Commander of the United States Cyber Command shall select a network or network segment and associated computer network de-

fense service provider to conduct a demonstration and evaluation of one or more existing security product integration frameworks, including modifying network security systems to enable such systems to ingest, publish, subscribe, tip and cue, and request information or services from each other.

SEC. 1632. REPORT ON ENHANCEMENT OF SOFTWARE SECURITY FOR CRITICAL SYSTEMS.

(a) REPORT REQUIRED.—Not later than March 1, 2019, the Principal Cyber Adviser to the Secretary of Defense and the Chief Information Officer of the Department of Defense shall jointly submit to the congressional defense committees a report on a study, based on the authorities specified in subsection (b), on the costs, benefits, technical merits, and other merits of applying the technology described in subsection (c) to the vulnerability assessment and remediation of the following:

(1) Nuclear systems and nuclear command and control.

(2) A critical subset of conventional power projection capabilities.

(3) Cyber command and control.

(4) Other defense critical infrastructure

(b) BASIS FOR CONDUCT OF STUDY.—The study required for purposes of subsection (a) shall be conducted pursuant to the following:

(1) Section 1640 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

(2) Section 1650 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. 2224 note).

(3) Section 1647 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1118).

(c) TECHNOLOGIES.—The technologies described in this subsection are the following:

(1) Technology developed and used by Combat Support Agencies of the Department of Defense to discover flaws and weaknesses in software code by inputting immense quantities of pseudo-random data (commonly referred to as "fuzz") to identify inputs that cause the software to fail.

(2) Cloud-based software fuzzing-as-a-service to continuously test the security of Department of Defense software repositories at large scale.

(3) Formal programming and protocol language for software code development and other methods and tools developed under the High Assurance Cyber Military Systems program of the Defense Advanced Research Projects Agency.

(4) The binary analysis and symbolic execution software security tools developed under the Cyber Grand Challenge of the Defense Advanced Research Projects Agency.

SEC. 1633. COMPLY TO CONNECT AND CYBERSECURITY SCORECARD.

(a) LIMITATION.—After October 1, 2019, no funds may be obligated or expended to prepare the cybersecurity scorecard for the Secretary of Defense unless the Department of Defense is implementing a funded capability to meet the requirements—

(1) established by the Chief Information Officer and the Commander of United States Cyber Command pursuant to section 1653 of the National Defense Authorization for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2224 note); and

(2) set forth in the Information Security Continuous Monitoring Strategy, the Comply-to-Connect Strategy, the Enterprise Patch Management Service Strategy and Concept of Operations, and the User Activity Monitoring Strategy.

(b) REPORT.—Not later than January 10, 2019, the Director of Cost Assessment and Program Evaluation shall submit to the congressional defense committees a report

comparing the current capabilities of the Department of Defense to—

(1) the requirements described in subsection (a); and

(2) the capabilities deployed by the Department of Homeland Security and the General Services Administration under the Continuous Diagnostics and Mitigation program across the non-Department of Defense departments and agencies of the Federal Government.

(c) RISK THRESHOLDS.—The Chief Information Officer of the Department of Defense, in coordination with the Principal Cyber Advisor, the Director of Operations of the Joint Staff, and the Commander of United States Cyber Command, shall establish risk thresholds for systems and network operations that, when exceeded, would trigger heightened security measures, such as enhanced monitoring and access policy changes.

(d) ENTERPRISE GOVERNANCE, RISK, AND COMPLIANCE PLAN.—Not later than 180 days after the date of the enactment of this Act, the Chief Information Officer and the Principal Cyber Advisor shall develop a plan to implement an enterprise governance, risk, and compliance platform and process to maintain current status of all informa-

tion and operational technology assets, vulnerabilities, threats, and mitigations.

SEC. 1634. CYBERSPACE SOLARIUM COMMISSION.

(a) ESTABLISHMENT.—

(1) IN GENERAL.—There is established a commission to develop a consensus on a strategic approach to protecting the crucial advantages of the United States in cyberspace against the attempts of adversaries to erode such advantages.

(2) DESIGNATION.—The commission established under paragraph (1) shall be known as the "Cyberspace Solarium Commission" (in this section the "Commission").

(b) MEMBERSHIP.—

(1) COMPOSITION.—(A) Subject to subparagraph (B), the Commission shall be composed of 13 members, as follows:

(i) The Principal Deputy Director of National Intelligence.

(ii) The Deputy Secretary of Homeland Security.

(iii) The Deputy Secretary of Defense.

(iv) Three members appointed by the majority leader of the Senate, in consultation with the Chairman of the Committee on Armed Services

of the Senate, one of whom shall be a member of the Senate and two of whom shall not be.

(v) Two members appointed by the minority leader of the Senate, in consultation with the Ranking Member of the Committee on Armed Services of the Senate, one of whom shall be a member of the Senate and one of whom shall not be.

(vi) Three members appointed by the Speaker of the House of Representatives, in consultation with the Chairman of the Committee on Armed Services of the House of Representatives, one of whom shall be a member of the House of Representatives and two of whom shall not be.

(vii) Two members appointed by the minority leader of the House of Representatives, in consultation with the Ranking Member of the Committee on Armed Services of the House of Representatives, one of whom shall be a member of the House of Representatives and one of whom shall not be.

(B)(i) The members of the Commission who are not members of Congress and who are appointed under clauses (iv) through (vii) of subparagraph (A)

shall be individuals who are nationally recognized for expertise, knowledge, or experience in—

(I) cyber strategy or national-level strategies to combat long-term adversaries;

(II) cyber technology and innovation;

(III) use of intelligence information by national policymakers and military leaders; or

(IV) the implementation, funding, or oversight of the national security policies of the United States.

(ii) An official who appoints members of the Commission may not appoint an individual as a member of the Commission if, in the judgment of the official, such individual possesses any personal or financial interest in the discharge of any of the duties of the Commission.

(iii) All members of the Commission described in clause (i) shall possess an appropriate security clearance in accordance with applicable provisions of law concerning the handling of classified information.

(2) CO-CHAIRS.—(A) The Commission shall have two co-chairs, selected from among the members of the Commission.

(B) One co-chair of the Commission shall be a member of the Democratic Party, and one co-chair shall be a member of the Republican Party.

(C) The individuals who serve as the co-chairs of the Commission shall be jointly agreed upon by the President, the majority leader of the Senate, the minority leader of the Senate, the Speaker of the House of Representatives, and the minority leader of the House of Representatives.

(c) APPOINTMENT; INITIAL MEETING.—

(1) APPOINTMENT.—Members of the Commission shall be appointed not later than 45 days after the date of the enactment of this Act.

(2) INITIAL MEETING.—The Commission shall hold its initial meeting on or before the date that is 60 days after the date of the enactment of this Act.

(d) MEETINGS; QUORUM; VACANCIES.—

(1) IN GENERAL.—After its initial meeting, the Commission shall meet upon the call of the co-chairs of the Commission.

(2) QUORUM.—Seven members of the Commission shall constitute a quorum for purposes of conducting business, except that two members of the Commission shall constitute a quorum for purposes of receiving testimony.

(3) VACANCIES.—Any vacancy in the Commission shall not affect its powers, but shall be filled in the same manner in which the original appointment was made.

(4) QUORUM WITH VACANCIES.—If vacancies in the Commission occur on any day after 45 days after the date of the enactment of this Act, a quorum shall consist of a majority of the members of the Commission as of such day.

(e) ACTIONS OF COMMISSION.—

(1) IN GENERAL.—The Commission shall act by resolution agreed to by a majority of the members of the Commission voting and present.

(2) PANELS.—The Commission may establish panels composed of less than the full membership of the Commission for purposes of carrying out the duties of the Commission under this title. The actions of any such panel shall be subject to the review and control of the Commission. Any findings and determinations made by such a panel shall not be considered the findings and determinations of the Commission unless approved by the Commission.

(3) DELEGATION.—Any member, agent, or staff of the Commission may, if authorized by the co-chairs

of the Commission, take any action which the Commission is authorized to take pursuant to this title.

(f) DUTIES.—The duties of the Commission are as follows:

(1) To weigh the costs and benefits of various strategic options to reach the goal of protecting the advantages described in subsection (a)(1), including the political system of the United States, the national security industrial sector of the United States, and the innovation base of the United States. The options to be assessed should include deterrence, norms-based regimes, and cyber persistence.

(2) To review adversarial strategies and intentions, current programs for the protection of advantages described in subsection (a)(1), and the capabilities of the Federal Government to understand if and how adversaries are currently being deterred or thwarted in their aims and ambitions.

(3) To evaluate the current allocation of resources for understanding adversarial strategies and intentions and protecting the advantages described in subsection (a)(1).

(4) In weighing the options for protecting advantages as described in subsection (a)(1), to consider possible structures and authorities that need to be es-

tablished, revised, or augmented within the Federal Government.

(g) POWERS OF COMMISSION.—

(1) IN GENERAL.—(A) The Commission or, on the authorization of the Commission, any subcommittee or member thereof, may, for the purpose of carrying out the provisions of this section—

(i) hold such hearings and sit and act at such times and places, take such testimony, receive such evidence, and administer such oaths; and

(ii) require, by subpoena or otherwise, the attendance and testimony of such witnesses and the production of such books, records, correspondence, memoranda, papers, and documents, as the Commission or such designated subcommittee or designated member considers necessary.

(B) Subpoenas may be issued under subparagraph (A)(ii) under the signature of the co-chairs of the Commission, and may be served by any person designated by such co-chairs.

(C) The provisions of sections 102 through 104 of the Revised Statutes of the United States (2 U.S.C. 192–194) shall apply in the case of any failure of a

witness to comply with any subpoena or to testify when summoned under authority of this section.

(2) CONTRACTING.—The Commission may, to such extent and in such amounts as are provided in advance in appropriation Acts, enter into contracts to enable the Commission to discharge its duties under this title.

(3) INFORMATION FROM FEDERAL AGENCIES.—(A) The Commission may secure directly from any executive department, agency, bureau, board, commission, office, independent establishment, or instrumentality of the Government information, suggestions, estimates, and statistics for the purposes of this title.

(B) Each such department, agency, bureau, board, commission, office, establishment, or instrumentality shall, to the extent authorized by law, furnish such information, suggestions, estimates, and statistics directly to the Commission, upon request of the co-chairs of the Commission.

(C) The Commission shall handle and protect all classified information provided to it under this section in accordance with applicable statutes and regulations.

(4) ASSISTANCE FROM FEDERAL AGENCIES.—(A) The Secretary of Defense shall provide to the Commis-

sion, on a nonreimbursable basis, such administrative services, funds, staff, facilities, and other support services as are necessary for the performance of the Commission's duties under this title.

(B) The Director of National Intelligence may provide the Commission, on a nonreimbursable basis, with such administrative services, staff, and other support services as the Commission may request.

(C) In addition to the assistance set forth in paragraphs (1) and (2), other departments and agencies of the United States may provide the Commission such services, funds, facilities, staff, and other support as such departments and agencies consider advisable and as may be authorized by law.

(D) The Commission shall receive the full and timely cooperation of any official, department, or agency of the United States Government whose assistance is necessary for the fulfillment of the duties of the Commission under this title, including the provision of full and current briefings and analyses.

(5) PROHIBITION ON WITHHOLDING INFORMATION.—No department or agency of the Government may withhold information from the Commission on the grounds that providing the information to the Commission would constitute the unauthorized disclo-

sure of classified information or information relating to intelligence sources or methods.

(6) POSTAL SERVICES.—The Commission may use the United States postal services in the same manner and under the same conditions as the departments and agencies of the United States.

(7) GIFTS.—The Commission may accept, use, and dispose of gifts or donations of services or property in carrying out its duties under this title.

(h) STAFF OF COMMISSION.—

(1) IN GENERAL.—(A) The co-chairs of the Commission, in accordance with rules agreed upon by the Commission, shall appoint and fix the compensation of a staff director and such other personnel as may be necessary to enable the Commission to carry out its duties, without regard to the provisions of title 5, United States Code, governing appointments in the competitive service, and without regard to the provisions of chapter 51 and subchapter III of chapter 53 of such title relating to classification and General Schedule pay rates, except that no rate of pay fixed under this subsection may exceed the equivalent of that payable to a person occupying a position at level V of the Executive Schedule under section 5316 of such title.

(B) Any Federal Government employee may be detailed to the Commission without reimbursement from the Commission, and such detailee shall retain the rights, status, and privileges of his or her regular employment without interruption.

(C) All staff of the Commission shall possess a security clearance in accordance with applicable laws and regulations concerning the handling of classified information.

(2) CONSULTANT SERVICES.—(A) The Commission may procure the services of experts and consultants in accordance with section 3109 of title 5, United States Code, but at rates not to exceed the daily rate paid a person occupying a position at level IV of the Executive Schedule under section 5315 of such title.

(B) All experts and consultants employed by the Commission shall possess a security clearance in accordance with applicable laws and regulations concerning the handling of classified information.

(i) COMPENSATION AND TRAVEL EXPENSES.—

(1) COMPENSATION.—(A) Except as provided in paragraph (2), each member of the Commission may be compensated at not to exceed the daily equivalent of the annual rate of basic pay in effect for a position

at level IV of the Executive Schedule under section 5315 of title 5, United States Code, for each day during which that member is engaged in the actual performance of the duties of the Commission under this title.

(B) Members of the Commission who are officers or employees of the United States or Members of Congress shall receive no additional pay by reason of their service on the Commission.

(2) TRAVEL EXPENSES.—While away from their homes or regular places of business in the performance of services for the Commission, members of the Commission may be allowed travel expenses, including per diem in lieu of subsistence, in the same manner as persons employed intermittently in the Government service are allowed expenses under section 5703 of title 5, United States Code.

(j) TREATMENT OF INFORMATION RELATING TO NATIONAL SECURITY.—

(1) IN GENERAL.—(A) The Director of National Intelligence shall assume responsibility for the handling and disposition of any information related to the national security of the United States that is received, considered, or used by the Commission under this title.

(B) Any information related to the national security of the United States that is provided to the Commission by a congressional intelligence committees or the congressional armed services committees may not be further provided or released without the approval of the chairman of such committees.

(2) ACCESS AFTER TERMINATION OF COMMISSION.—Notwithstanding any other provision of law, after the termination of the Commission under subsection (k)(2), only the members and designated staff of the congressional intelligence committees, the Director of National Intelligence (and the designees of the Director), and such other officials of the executive branch as the President may designate shall have access to information related to the national security of the United States that is received, considered, or used by the Commission.

(k) FINAL REPORT; TERMINATION.—

(1) FINAL REPORT.—Not later than September 1, 2019, the Commission shall submit to the congressional defense committees, the congressional intelligence committees, the Director of National Intelligence, and the Secretary of Defense, and the Secretary of Homeland Security a final report on the findings of the Commission.

(2) TERMINATION.—(A) The Commission, and all the authorities of this section, shall terminate at the end of the 120-day period beginning on the date on which the final report under paragraph (1) is submitted to the congressional defense and intelligence committees.

(B) The Commission may use the 120-day period referred to in paragraph (1) for the purposes of concluding its activities, including providing testimony to Congress concerning the final report referred to in that paragraph and disseminating the report.

(l) ASSESSMENTS OF FINAL REPORT.—Not later than 60 days after receipt of the final report under subsection (k)(1), the Director of National Intelligence and the Secretary of Defense shall each submit to the congressional intelligence committees and the congressional defense committees an assessment by the Director or the Secretary, as the case may be, of the final report. Each assessment shall include such comments on the findings and recommendations contained in the final report as the Director or Secretary, as the case may be, considers appropriate.

(m) INAPPLICABILITY OF CERTAIN ADMINISTRATIVE PROVISIONS.—

(1) FEDERAL ADVISORY COMMITTEE ACT.—The provisions of the Federal Advisory Committee Act (5

U.S.C. App.) shall not apply to the activities of the Commission under this section.

(2) FREEDOM OF INFORMATION ACT.—The provisions of section 552 of title 5, United States Code (commonly referred to as the Freedom of Information Act), shall not apply to the activities, records, and proceedings of the Commission under this section.

(n) FUNDING.—

(1) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated $4,000,000 to carry out this section.

(2) AVAILABILITY IN GENERAL.—Subject to paragraph (1), the Secretary of Defense shall make available to the Commission such amounts as the Commission may require for purposes of the activities of the Commission under this section.

(3) DURATION OF AVAILABILITY.—Amounts made available to the Commission under paragraph (2) shall remain available until expended.

(o) 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. 1635. PROGRAM TO ESTABLISH CYBER INSTITUTES AT INSTITUTIONS OF HIGHER LEARNING.

(a) PROGRAM AUTHORIZED.—The Secretary of Defense may carry out a program to establish a Cyber Institute at institutions of higher learning selected under subsection (b) for purposes of accelerating and focusing the development of foundational expertise in critical cyber operational skills for future military and civilian leaders of the Armed Forces and the Department of Defense, including such leaders of the reserve components.

(b) SELECTED INSTITUTIONS OF HIGHER LEARNING.—

(1) IN GENERAL.—The Secretary of Defense shall select institutions of higher learning for purposes of the program established under subsection (a) from among institutions of higher learning that have a Reserve Officers' Training Corps program.

(2) CONSIDERATION OF SENIOR MILITARY COLLEGES.—In selecting institutions of higher learning under paragraph (1), the Secretary shall consider the senior military colleges with Reserve Officers' Training Corps programs.

(c) ELEMENTS.—Each institute established under the program authorized by subsection (a) shall include the following:

(1) Programs to provide future military and civilian leaders of the Armed Forces or the Department of Defense who possess cyber operational expertise from beginning through advanced skill levels. Such programs shall include instruction and practical experiences that lead to recognized certifications and degrees in the cyber field.

(2) Programs of targeted strategic foreign language proficiency training for such future leaders that—

(A) are designed to significantly enhance critical cyber operational capabilities; and

(B) are tailored to current and anticipated readiness requirements.

(3) Programs related to mathematical foundations of cryptography and courses in cryptographic theory and practice designed to complement and reinforce cyber education along with the strategic language programs critical to cyber operations.

(4) Programs related to data science and courses in data science theory and practice designed to complement and reinforce cyber education along with the

strategic language programs critical to cyber operations.

(5) Programs designed to develop early interest and cyber talent through summer programs, dual enrollment opportunities for cyber, strategic language, data science, and cryptography related courses.

(6) Training and education programs to expand the pool of qualified cyber instructors necessary to support cyber education in regional school systems.

(d) PARTNERSHIPS WITH DEPARTMENT OF DEFENSE AND THE ARMED FORCES.—Any institute established under the program authorized by subsection (a) may enter into a partnership with one or more components of the Armed Forces, active or reserve, or any agency of the Department of Defense to facilitate the development of critical cyber skills for students who may pursue a military career.

(e) PARTNERSHIPS.—Any institute established under the program authorized by subsection (a) may enter into a partnership with one or more local educational agencies to facilitate the development of critical cyber skills.

(f) SENIOR MILITARY COLLEGES DEFINED.—The term "senior military colleges" has the meaning given such term in section 2111a(f) of title 10, United States Code.

SEC. 1636. ESTABLISHMENT OF CYBERSECURITY FOR DEFENSE INDUSTRIAL BASE MANUFACTURING ACTIVITY.

(a) ESTABLISHMENT.—

(1) AUTHORITY.—The Secretary of Defense may, in consultation with the Director of the National Institute of Standards and Technology, establish an activity to assess and strengthen the cybersecurity resiliency of the defense industrial base of the United States.

(2) DESIGNATION.—The activity that may be established under paragraph (1) shall be known as the "Cybersecurity for Defense Industrial Base Manufacturing Activity".

(b) ACTIVITIES.—If the Secretary of Defense exercises the authority under subsection (a), the Secretary shall utilize the activity to explore ways to increase the cybersecurity resilience of the defense industrial supply chain. Such exploration may include the following:

(1) Developing cybersecurity test capabilities to support identifying and reducing security vulnerabilities (as defined in section 102 of the Cybersecurity Information Sharing Act of 2015 (6 U.S.C. 1501)) in defense industrial base manufacturing processes.

(2) Developing in-person and online training to help small defense industrial base manufacturers improve their cybersecurity.

(3) Ensuring that cybersecurity for defense industrial base manufacturing is included in Department of Defense research and development roadmaps and threat assessments.

(4) Aggregating, developing, and disseminating capabilities to address cybersecurity threats that can be provided to and adopted by defense industrial base manufacturers of all sizes.

PART II—MITIGATION OF RISKS POSED BY PROVIDERS OF INFORMATION TECHNOLOGY WITH OBLIGATIONS TO FOREIGN GOVERNMENTS

SEC. 1637. DEFINITIONS.

In this part:

(1) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—The term "appropriate committees of Congress" means—

(A) the Committee on Armed Services, the Select Committee on Intelligence, and the Committee on Homeland Security and Governmental Affairs of the Senate; and

(B) the Committee on Armed Services, the Permanent Select Committee on Intelligence, and the Committee on Homeland Security of the House of Representatives.

(2) INFORMATION TECHNOLOGY.—The term "information technology" has the meaning given such term in section 11101 of title 40, United States Code.

(3) NATIONAL SECURITY SYSTEM.—The term "national security system" has the meaning given such term in section 3552(b) of title 44, United States Code.

SEC. 1638. IDENTIFICATION OF COUNTRIES OF CONCERN REGARDING CYBERSECURITY.

(a) IDENTIFICATION OF COUNTRIES OF CONCERN.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall create a prioritized list of countries of concern regarding cybersecurity based on information relating to the following:

(1) A foreign government's engagement in acts of violence against personnel of the United States or coalition forces.

(2) A foreign government's willingness and record of providing financing, logistics, training or intelligence to other persons, countries or entities posing a force protection or cybersecurity risk to the per-

sonnel, financial systems, critical infrastructure, or information systems of the United States or coalition forces.

(3) A foreign government's engagement in foreign intelligence activities against the United States.

(4) A foreign government's direct or indirect participation in transnational organized crime or criminal activity.

(5) A foreign government's ability and intent to conduct operations to affect the supply chain of the United States Government.

(b) REPORT TO CONGRESS.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the appropriate committees of Congress the list created pursuant to subsection (a) and any accompanying analysis that contributed to the creation of the list.

SEC. 1639. MITIGATION OF RISKS TO NATIONAL SECURITY POSED BY PROVIDERS OF INFORMATION TECHNOLOGY PRODUCTS AND SERVICES WHO HAVE OBLIGATIONS TO FOREIGN GOVERNMENTS.

(a) DISCLOSURE REQUIRED.—The Department of Defense may not use a product, service, or system relating to information or operational technology, cybersecurity, an industrial control system, a weapons system, or computer

antivirus provided by a person unless that person discloses to the Secretary of Defense the following:

(1) Whether the person has allowed a foreign government to review or access the code of a product, system, or service custom-developed for the Department, or is under any obligation to allow a foreign person or government to review or access the code of a product, system, or service custom-developed for the Department as a condition of entering into an agreement for sale or other transaction with a foreign government or with a foreign person on behalf of such a government.

(2) Whether the person has allowed a foreign government listed in section 1638(a) to review or access the source code of a product, system, or service that the Department is using or intends to use, or is under any obligation to allow a foreign person or government to review or access the source code of a product, system, or service that the Department is using or intends to use as a condition of entering into an agreement for sale or other transaction with a foreign government or with a foreign person on behalf of such a government.

(3) In a case in which the person is a United States person or an affiliate of a United States per-

son, whether or not the person holds or has sought a license pursuant to the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations, or successor regulations, for information technology products, components, software, or services that contain code custom-developed for the product, system, or service the Department is using or intends to use.

(b) POST PROCUREMENT.—Procurement contracts for covered products or systems shall include a clause requiring the information contained in subsection (a) be disclosed during the period of the contract if an entity becomes aware of information requiring disclosure as per that section, including any mitigation measures taken or anticipated.

(c) MITIGATION OF RISKS.—

(1) IN GENERAL.—If, after reviewing a disclosure made by a person under subsection (a), the Secretary determines that the disclosure relating to a product, system, or service entails a risk to the national security infrastructure or data of the United States, or any national security system under the control of the Department, the Secretary shall take such measures as the Secretary considers appropriate

to mitigate such risks, including, as the Secretary considers appropriate, by conditioning any agreement for the use, procurement, or acquisition of the product, system, or service on the inclusion of enforceable conditions or requirements that would mitigate such risks.

(2) THIRD-PARTY TESTING STANDARD.—Not later than two years after the date of the enactment of this Act the Secretary shall develop such third-party testing standard as the Secretary considers acceptable for commercial off the shelf (COTS) products, systems, or services to use when dealing with foreign governments.

(d) EXEMPTION OF DISCLOSURES FROM FREEDOM OF INFORMATION ACT.—A disclosure under subsection (a) shall not be subject to section 552 of title 5, United States Code (commonly referred to as the "Freedom of Information Act"), or any other similar provision of Federal or State law requiring the disclosure of information to the public.

SEC. 1640. ESTABLISHMENT OF REGISTRY OF DISCLOSURES.

(a) ESTABLISHMENT OF REGISTRY.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall—

(1) establish within the operational capabilities of the Committee for National Security Systems (CNSS) or within such other agency as the Secretary considers appropriate a registry containing the information disclosed under section 1639; and

(2) upon request, make such information available to any agency conducting a procurement pursuant to the Federal Acquisition Regulations or the Defense Federal Acquisition Regulations.

(b) EXEMPTION OF REGISTRY FROM FREEDOM OF INFORMATION ACT.—The contents of the registry established under subsection (a)(1) shall not be subject to section 552 of title 5, United States Code (commonly referred to as the "Freedom of Information Act"), or any other similar provision of Federal or State law requiring the disclosure of information to the public.

(c) ANNUAL REPORTS.—Not later than one year after the date of the enactment of this Act and not less frequently than once each year thereafter, the Secretary of Defense shall submit to the appropriate committees of Congress a report detailing the number, scope, product classifications, and mitigation agreements related to each product, system, and service for which a disclosure is made under section 1639(a).

Subtitle D—Nuclear Forces

SEC. 1641. OVERSIGHT AND MANAGEMENT OF THE COMMAND, CONTROL, AND COMMUNICATIONS SYSTEM FOR THE NATIONAL LEADERSHIP OF THE UNITED STATES.

(a) DESIGNATION OF RESPONSIBLE INDIVIDUAL.—

(1) IN GENERAL.—The Secretary of Defense shall designate a single individual to be responsible for oversight and strategic portfolio management of the command, control, and communications system for the national leadership of the United States (as defined in section 171a of title 10, United States Code), including—

(A) nuclear command, control, and communications;

(B) senior leadership communications systems;

(C) integrated tactical warning and attack assessment systems, processes, and enablers; and

(D) continuity of government functions for which the Department of Defense is responsible.

(2) AUTHORITIES.—Subject to the authority and direction of the Secretary, the individual designated under paragraph (1) shall have the authority to direct the Secretaries of the military departments and

officials in the Office of the Secretary of Defense with respect to matters described in paragraph (1), including—

(A) playing a significant and directive role in the decision processes for all annual and multi-year planning, programming, budgeting, and execution decisions, including the authority to realign the elements of the budgets and budget requests of the military departments that relate to the matters described in paragraph (1);

(B) ensuring that the military departments comply with the standards of the Federal Government and the Department of Defense with respect to matters described in paragraph (1); and

(C) any other authorities that the Secretary of Defense considers necessary.

(3) CHAIRPERSON OF COUNCIL ON OVERSIGHT OF THE NATIONAL LEADERSHIP COMMAND, CONTROL, AND COMMUNICATIONS SYSTEM.—The individual designated under paragraph (1) shall serve as the Chairperson of the Council on Oversight of the National Leadership Command, Control, and Communications System established under section 171a of title 10, United States Code.

(4) STAFF.—The individual designated under paragraph (1) shall have sufficient dedicated full-time personnel to carry out the responsibilities of that individual under this subsection and as Chairperson of the Council on Oversight of the National Leadership Command, Control, and Communications System.

(b) MODIFICATIONS TO COUNCIL ON OVERSIGHT OF THE NATIONAL LEADERSHIP COMMAND, CONTROL, AND COMMUNICATIONS SYSTEM.—

(1) MEMBERSHIP.—Subsection (b) of section 171a of title 10, United States Code, is amended—

(A) in paragraph (2), by striking ", Technology, and Logistics" and inserting "and Sustainment";

(B) by redesignating paragraphs (3) through (7) as paragraphs (4) through (8), respectively; and

(C) by inserting after paragraph (2) the following new paragraph (3):

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

(2) CHAIRPERSON.—Subsection (c) of such section is amended to read as follows:

"(c) CHAIRPERSON.—The Chairperson of the Council (in this section referred to as the 'Chairperson') shall be

the individual designated by the Secretary of Defense under section 1641(a) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 as responsible for oversight and strategic portfolio management of the command, control, and communications system for the national leadership of the United States.".

(3) RESPONSIBILITIES.—Subsection (d) of such section is amended—

(A) in paragraph (1), by striking "oversight" and inserting "coordination"; and

(B) in paragraph (2)—

(i) in the matter preceding subparagraph (A), by striking "oversight" and inserting "coordination";

(ii) in subparagraph (B), by striking "mitigation" and inserting "recommendations for mitigation actions";

(iii) by striking subparagraphs (C) and (D) and inserting the following new subparagraph (C):

"(C) Making recommendations to the Chairperson with respect to resource prioritization."; and

(iv) by redesignating subparagraph (E) as subparagraph (D).

(4) ANNUAL REPORTS.—Subsection (e) of such section is amended, in the matter preceding paragraph (1), by striking "the Council shall" and inserting "the Chairperson shall".

(5) COLLECTION OF ASSESSMENTS ON CERTAIN THREATS.—Subsection (f) of such section is amended by striking "The Council shall" and inserting "The Chairperson shall, in consultation with the Council,".

(6) BUDGET AND FUNDING MATTERS.—Subsection (g) of such section is amended—

(A) in paragraph (1), in the matter preceding subparagraph (A), by striking "the Chairman of the Joint Chiefs of Staff" and inserting "the Chairperson";

(B) in paragraph (2)—

(i) in the matter preceding subparagraph (A), by striking "the Chairman of the Joint Chiefs of Staff" and inserting "the Chairperson"; and

(ii) by striking "the Chairman" each place it appears and inserting "the Chairperson"; and

(C) in paragraph (3), by striking "the Council shall" and inserting "the Chairperson shall".

(7) REPORTS ON SPACE ARCHITECTURE DEVELOPMENT.—Subsection (i)(1) of such section is amended by striking "the Under Secretary of Defense for Acquisitions, Technology, and Logistics" and inserting "the Chairperson".

(8) NOTIFICATION OF REDUCTION OF CERTAIN WARNING TIME.—Subsection (j)(2) of such section is amended—

(A) in the matter preceding subparagraph (A)—

(i) in the first sentence, by striking "the Council" and inserting "the Chairperson, in consultation with the Council,"; and

(ii) in the second sentence, by striking "the Council" and inserting "the Chairperson"; and

(B) in subparagraph (C), by striking "the Council" and inserting "the Chairperson".

(9) STATUS OF ACQUISITION PROGRAMS.—Subsection (k) of such section is amended—

(A) in paragraph (1), in the matter preceding subparagraph (A), by striking "the co-chairs of the Council, acting through the senior

steering group of the Council," and inserting "the Chairperson"; and

(B) in paragraph (2), in the matter preceding subparagraph (A), by striking "the co-chairs of the Council" and inserting "the Chairperson".

SEC. 1642. MODIFICATION TO REQUIREMENT FOR CONVENTIONAL LONG-RANGE STANDOFF WEAPON.

(a) IN GENERAL.—Section 217(a) of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 127 Stat. 706) is amended—

(1) in paragraph (1)—

(A) by striking subparagraph (A); and

(B) by redesignating subparagraphs (B) and (C) as subparagraphs (A) and (B), respectively; and

(2) in paragraph (2)—

(A) by striking "the Secretary may" and inserting the following: "the Secretary—

"(A) may";

(B) by striking the period at the end and inserting "; and"; and

(C) by adding at the end the following:

"(B) shall begin procurement and fielding of a follow-on air-launched cruise missile to the

AGM–86 for conventional missions not more than five years after the successful completion of initial operational test and evaluation for such a missile for nuclear missions.".

(b) STATEMENT OF POLICY.—It is the policy of the United States to design and procure the long-range standoff weapon to provide a nuclear cruise missile capability to replace the AGM–86 as part of the modernization of the nuclear triad.

SEC. 1643. EXCHANGE PROGRAM FOR NUCLEAR WEAPONS PROGRAM EMPLOYEES.

(a) PROGRAM AUTHORIZED.—The Chairman of the Nuclear Weapons Council established under section 179 of title 10, United States Code, and the Administrator for Nuclear Security, shall jointly establish an exchange program under which—

(1) the Chairman shall arrange for the temporary assignment of civilian and military personnel working on nuclear weapons policy, production, and force structure issues in the Office of the Secretary of Defense, the Joint Staff, the Navy, or the Air Force to the Office of the Deputy Administrator for Defense Programs in the National Nuclear Security Administration; and

(2) the Administrator shall arrange for the temporary assignment of civilian personnel working on programs related to nuclear weapons in the Office of the Deputy Administrator for Defense Programs to the elements of the Department of Defense specified in paragraph (1).

(b) PURPOSES.—The purposes of the exchange program established under subsection (a) are—

(1) to familiarize personnel from the Department of Defense and the National Nuclear Security Administration with the equities, priorities, processes, culture, and employees of the other agency;

(2) for participants in the exchange program to return the expertise gained through their exchanges to their original agencies at the conclusion of their exchanges; and

(3) to improve communication between and integration of the agencies that support the formation and oversight of nuclear weapons policy through lasting relationships across the chain of command.

(c) PARTICIPANTS.—

(1) NUMBER OF PARTICIPANTS.—The Chairman and the Administrator shall each select not fewer than 5 and not more than 10 participants per year for participation in the exchange program established

under subsection (a). The Chairman and the Administrator may determine how many participants to select under this paragraph without regard to the number of participants selected from the other agency.

(2) CRITERIA FOR SELECTION.—

(A) IN GENERAL.—The Chairman and the Administrator shall select participants for the exchange program established under subsection (a) from among mid-career employees and based on—

(i) the qualifications and desire to participate in the program of the employee; and

(ii) the technical needs and capacities of the Department of Defense and the National Nuclear Security Administration, as applicable.

(B) DEPARTMENT OF DEFENSE.—In selecting participants from the Department of Defense for the exchange program established under subsection (a), the Chairman shall ensure that there is a mix of military personnel and civilian employees of the Department.

(d) TERMS.—Exchanges pursuant to the exchange program established under subsection (a) shall be for terms of

one to two years, as determined and negotiated by the Chairman and the Administrator. Such terms may begin and end on a rolling basis.

(e) GUIDANCE AND IMPLEMENTATION.—

(1) GUIDANCE.—Not later than 90 days after the date of the enactment of this Act, the Chairman and the Administrator shall jointly develop and submit to the congressional defense committees interim guidance on the form and contours of the exchange program established under subsection (a).

(2) IMPLEMENTATION.—Not later than 180 days after the date of the enactment of this Act, the Chairman and the Administrator shall implement the guidance developed under paragraph (1).

SEC. 1644. PROCUREMENT AUTHORITY FOR CERTAIN PARTS OF INTERCONTINENTAL BALLISTIC MISSILE FUZES.

(a) AVAILABILITY OF FUNDS.—Notwithstanding section 1502(a) of title 31, United States Code, of the amount authorized to be appropriated for fiscal year 2019 by section 101 and available for Missile Procurement, Air Force, as specified in the funding table in division D, $9,841,000 shall be available for the procurement of covered parts pursuant to contracts entered into under section 1645(a) of the Carl Levin and Howard P. "Buck" McKeon National De-

fense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3651).

(b) COVERED PARTS DEFINED.—In this section, the term "covered parts" means commercially available off-the-shelf items as defined in section 104 of title 41, United States Code.

SEC. 1645. PLAN TO TRAIN OFFICERS IN NUCLEAR COMMAND, CONTROL, AND COMMUNICATIONS.

(a) IN GENERAL.—The Secretary of Defense shall, in consultation with the Secretary of the Air Force, the Secretary of the Navy, and the Chairman of the Joint Chiefs of Staff, develop a plan to train, educate, manage, and track officers of the Armed Forces in nuclear command, control, and communications.

(b) ELEMENTS.—The plan required by subsection (a) shall address—

(1) manpower requirements at various grades;

(2) desired career paths and promotion timing; and

(3) any other matters the Secretary of Defense considers relevant to develop a mature cadre of officers with nuclear command, control, and communications expertise.

(c) SUBMISSION OF PLAN.—Not later than 180 days after the date of the enactment of this Act, the Secretary

of Defense shall submit the plan required by subsection (a) to the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives.

(d) IMPLEMENTATION.—The plan required by subsection (a) shall be implemented not later than 18 months after the date of the enactment of this Act.

SEC. 1646. PLAN FOR ALIGNMENT OF ACQUISITION OF WARHEAD LIFE EXTENSION PROGRAMS AND DELIVERY VEHICLES FOR SUCH WARHEADS.

Not later than February 15, 2019, the Chairman of the Nuclear Weapons Council established under section 179 of title 10, United States Code, shall submit to the congressional defense committees a plan containing a proposal for better aligning the acquisition of warhead life extension programs by the National Nuclear Security Administration with the acquisition of the planned delivery vehicles for such warheads by the Department of Defense.

SEC. 1647. EXTENSION OF ANNUAL REPORT ON PLAN FOR THE NUCLEAR WEAPONS STOCKPILE, NUCLEAR WEAPONS COMPLEX, NUCLEAR WEAPONS DELIVERY SYSTEMS, AND NUCLEAR WEAPONS COMMAND AND CONTROL SYSTEM.

Section 1043 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81; 125 Stat.

1576), as most recently amended by section 1665 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended in subsection (a)(1) by striking "2019" and inserting "2024".

SEC. 1648. PROHIBITION ON USE OF FUNDS FOR ACTIVITIES TO MODIFY UNITED STATES AIRCRAFT TO IMPLEMENT OPEN SKIES TREATY.

(a) IN GENERAL.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for research, development, test, and engineering or aircraft procurement, Air Force, for the digital visual imaging system may be obligated or expended to carry out any activities to modify any United States aircraft for purposes of implementing the Open Skies Treaty until—

(1) the Secretary of Defense submits to the appropriate congressional committees the certification described in paragraph (2) of section 1235(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91); and

(2) the President submits to the appropriate congressional committees the certification described in paragraph (3) of such section.

(b) 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) OPEN SKIES TREATY.—The term "Open Skies Treaty" means the Treaty on Open Skies, done at Helsinki March 24, 1992, and entered into force January 1, 2002.

SEC. 1649. SENSE OF SENATE ON NUCLEAR POSTURE REVIEW.

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

(1) Secretary of Defense James Mattis said in his opening statement before the Committee on Armed Services of the House of Representatives on February 6, 2018, "Maintaining an effective nuclear deterrent is much less expensive than fighting a war that we were unable to deter.".

(2) In the same statement, Secretary Mattis said, "Recapitalizing the nuclear weapons complex of laboratories and plants is also long past due . . . Due to consistent underfunding, significant and sustained

investments will be required over the coming decade to ensure that the National Nuclear Security Administration will be able to deliver at the rate needed to support nuclear deterrence into the 2030s and beyond.".

(3) Former Secretary of Defense Ash Carter recently wrote that "it is essential to recapitalize the nuclear Triad, because it is the bedrock of deterrence. During the past 25 years, the United States has made no major new investments in its nuclear forces, yet other countries have conducted vigorous buildups. This history does not support the contention that U.S. investments fuel the nuclear programs of others. My views are reflected in the latest Nuclear Posture Review.".

(4) Former Under Secretary of Defense for Policy Jim Miller recently wrote, "Secretary of Defense Jim Mattis's 2018 Nuclear Posture Review offers continuity with past U.S. policy and plans, including those in the 2010 NPR. It deserves broad bipartisan support.".

(5) The Foreign Minister of Japan, Taro Kono, said in a statement on February 3, 2018, "Japan highly appreciates the latest NPR which clearly articulates the U.S. resolve to ensure the effectiveness of

its deterrence and its commitment to providing extended deterrence to its allies including Japan, in light of the international security environment which has been rapidly worsened since the release of the previous 2010 NPR, in particular, by continued development of North Korea's nuclear and missile programs.".

(6) In testimony before the Committee on Armed Services of the Senate on April 30, 2018, Secretary of Defense Jim Mattis said, "Modernizing the nation's nuclear deterrent delivery systems and our nuclear command and control is the [Department of Defense's] top priority.".

(b) SENSE OF THE SENATE.—It is the sense of the Senate that—

(1) the 2018 Nuclear Posture Review is a measured and appropriate response to the current security environment, taking into account the developments in other nuclear weapons states such as the People's Republic of China and the Russian Federation and the return to great power competition as identified by two successive Secretaries of Defense and outlined in the 2018 National Defense Strategy;

(2) Congress should fully fund the complete nuclear modernization program of the Department of

Defense, including the Columbia-class submarine, the Ground-Based Strategic Deterrent, the B–21 long-range bomber, the Long-Range Stand-Off weapon, the re-engining of the B–52H bomber, and dual-capable aircraft;

(3) the Department of Defense should organize itself appropriately to engineer, acquire, and operate nuclear command, control, and communications systems that are secure, reliable, and modernized;

(4) Congress should fully fund the National Nuclear Security Administration component of the nuclear modernization program, including—

(A) the existing warhead life extension programs and major alterations, including the W76–2 warhead modification program and the W80–4 life extension program; and

(B) the recapitalization of infrastructure for production and processing of plutonium pits, uranium, tritium, lithium, and trusted strategic radiation-hardened microelectronics;

(5) in order to execute the programs described in this subsection in the timely fashion required by the Nuclear Posture Review, the National Nuclear Security Administration must balance workload, improve management of large programs, and better integrate

its acquisition programs with those of the Department of Defense;

(6) the United States maintains a steadfast commitment to the policy of extended deterrence in Europe and East Asia, and the nuclear modernization program will ensure that commitment remains credible;

(7) the United States should continue to honor long-held arms control, nonproliferation, and nuclear security commitments, and should seek to increase transparency and predictability through strategic dialogue, risk-reduction communication channels, and the sharing of best practices;

(8) when complied with by all parties, effective nuclear nonproliferation and arms control measures and agreements can support the security of the United States and countries that are allies or partners of the United States by—

(A) controlling the spread of nuclear materials, technology, and expertise;

(B) decreasing the risk of misperception and miscalculation; and

(C) avoiding destabilizing nuclear arms competition; and

(9) the United States should continue to affirm its commitments to arms control efforts that advance the security of the United States and countries that are allies or partners of the United States, and are verifiable and enforceable, including the Treaty between the United States of America and the Russian Federation on Measures for the Further Reduction and Limitation of Strategic Offensive Arms, signed on April 8, 2010, and entered into force on February 5, 2011 (commonly known as the "New START Treaty"), which is in effect through February 2021, and with mutual agreement may be extended for up to five years.

Subtitle E—Missile Defense Programs

SEC. 1651. EXTENSION OF PROHIBITION RELATING TO MISSILE DEFENSE INFORMATION AND SYSTEMS.

Section 130h(e) of title 10, United States Code, is amended by striking "January 1, 2019" and inserting "January 1, 2021".

SEC. 1652. MULTIYEAR PROCUREMENT AUTHORITY FOR STANDARD MISSILE–3 IB GUIDED MISSILES.

(a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—Subject to section 2306b of title 10, United States Code, the Secretary of Defense may enter into one or more multiyear

contracts, beginning with the fiscal year 2019 program year, for the procurement of Standard Missile–3 Block IB guided missiles.

(b) AUTHORITY FOR ADVANCE PROCUREMENT.—The Secretary may enter into one or more contracts for advance procurement associated with the missiles for which authorization to enter into a multiyear procurement contract is provided under subsection (a).

(c) COST ANALYSIS REQUIREMENT.—The Secretary may not exercise the authority provided under subsection (a) or (b) until the Secretary submits to the congressional defense committees the report and confirmation required under subparagraphs (A) and (B), respectively, of section 2306b(i)(2) of title 10, United States Code.

(d) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations for that purpose for such later fiscal year.

SEC. 1653. EXTENSION OF REQUIREMENT FOR REPORTS ON UNFUNDED PRIORITIES OF MISSILE DEFENSE AGENCY.

Section 1696 of the National Defense Authorization Act for Fiscal Year 2017 (130 Stat. 2638; Public Law 114–328) is amended—

(1) in subsection (a)—

(A) by striking "Not later than" and inserting "Each year, not later than"

(B) by striking "for each of fiscal years 2018 and 2019"; and

(2) in subsection (c), by striking "the budget if" and all that follows through the period at the end and inserting "the budget if additional resources had been available for the budget to fund the program, activity, or mission requirement.".

SEC. 1654. IRON DOME SHORT-RANGE ROCKET DEFENSE SYSTEM AND ISRAELI COOPERATIVE MISSILE DEFENSE PROGRAM CO-DEVELOPMENT AND CO-PRODUCTION.

(a) IRON DOME SHORT-RANGE ROCKET DEFENSE SYSTEM.—

(1) AVAILABILITY OF FUNDS.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for procurement, Defense-wide, and available for the Missile Defense

Agency, not more than $70,000,000 may be provided to the Government of Israel to procure components for the Iron Dome short-range rocket defense system through co-production of such components in the United States by industry of the United States.

(2) CONDITIONS.—

(A) AGREEMENT.—Funds described in paragraph (1) for the Iron Dome short-range rocket defense program shall be available subject to the terms and conditions in the Agreement Between the Department of Defense of the United States of America and the Ministry of Defense of the State of Israel Concerning Iron Dome Defense System Procurement, signed on March 5, 2014, as amended to include co-production for Tamir interceptors.

(B) CERTIFICATION.—Not later than 30 days prior to the initial obligation of funds described in paragraph (1), the Director of the Missile Defense Agency and the Under Secretary of Defense for Acquisition and Sustainment shall jointly submit to the appropriate congressional committees—

(i) a certification that the amended bilateral international agreement specified in

subparagraph (A) is being implemented as provided in such agreement; and

(ii) an assessment detailing any risks relating to the implementation of such agreement.

(b) ISRAELI COOPERATIVE MISSILE DEFENSE PROGRAM, DAVID'S SLING WEAPON SYSTEM CO-PRODUCTION.—

(1) IN GENERAL.—Subject to paragraph (2), of the funds authorized to be appropriated for fiscal year 2019 for procurement, Defense-wide, and available for the Missile Defense Agency not more than $50,000,000 may be provided to the Government of Israel to procure the David's Sling Weapon System, including for co-production of parts and components in the United States by United States industry.

(2) CERTIFICATION.—The Under Secretary of Defense for Acquisition and Sustainment shall submit to the appropriate congressional committees a certification that—

(A) the Government of Israel has demonstrated the successful completion of the knowledge points, technical milestones, and production readiness reviews required by the research, development, and technology agreement and the bilat-

eral co-production agreement for the David's Sling Weapon System;

(B) funds specified in paragraph (1) will be provided on the basis of a one-for-one cash match made by Israel or in another matching amount that otherwise meets best efforts (as mutually agreed to by the United States and Israel); and

(C) the level of co-production of parts, components, and all-up rounds (if appropriate) in the United States by United States industry for the David's Sling Weapon System is not less than 50 percent.

(c) ISRAELI COOPERATIVE MISSILE DEFENSE PROGRAM, ARROW 3 UPPER TIER INTERCEPTOR PROGRAM CO-PRODUCTION.—

(1) IN GENERAL.—Subject to paragraph (2), of the funds authorized to be appropriated for fiscal year 2019 for procurement, Defense-wide, and available for the Missile Defense Agency not more than $80,000,000 may be provided to the Government of Israel for the Arrow 3 Upper Tier Interceptor Program, including for co-production of parts and components in the United States by United States industry.

(2) CERTIFICATION.—Except as provided by paragraph (3), the Under Secretary of Defense for Ac-

quisition and Sustainment shall submit to the appropriate congressional committees a certification that—

(A) the Government of Israel has demonstrated the successful completion of the knowledge points, technical milestones, and production readiness reviews required by the research, development, and technology agreements for the Arrow 3 Upper Tier Interceptor Program;

(B) funds specified in paragraph (1) will be provided on the basis of a one-for-one cash match made by Israel or in another matching amount that otherwise meets best efforts (as mutually agreed to by the United States and Israel);

(C) the United States has entered into a bilateral international agreement with Israel that establishes, with respect to the use of such funds—

(i) in accordance with subparagraph (D), the terms of co-production of parts and components on the basis of the greatest practicable co-production of parts, components, and all-up rounds (if appropriate) by United States industry and minimizes nonrecurring engineering and facilitization

expenses to the costs needed for co-production;

(ii) complete transparency on the requirement of Israel for the number of interceptors and batteries that will be procured, including with respect to the procurement plans, acquisition strategy, and funding profiles of Israel;

(iii) technical milestones for co-production of parts and components and procurement;

(iv) a joint affordability working group to consider cost reduction initiatives; and

(v) joint approval processes for third-party sales; and

(D) the level of co-production described in subparagraph (C)(i) for the Arrow 3 Upper Tier Interceptor Program is not less than 50 percent.

(3) WAIVER.—The Under Secretary may waive the certification required by paragraph (2) if the Under Secretary certifies to the appropriate congressional committees that the Under Secretary has received sufficient data from the Government of Israel to demonstrate—

(A) the funds specified in paragraph (1) are provided to Israel solely for funding the procurement of long-lead components and critical hardware in accordance with a production plan, including a funding profile detailing Israeli contributions for production, including long-lead production, of the Arrow 3 Upper Tier Interceptor Program;

(B) such long-lead components have successfully completed knowledge points, technical milestones, and production readiness reviews; and

(C) the long-lead procurement will be conducted in a manner that maximizes co-production in the United States without incurring nonrecurring engineering activity or cost other than such activity or cost required for suppliers of the United States to start or restart production in the United States.

(d) NUMBER.—In carrying out paragraph (2) of subsection (b) and paragraph (2) of subsection (c), the Under Secretary may submit—

(1) one certification covering both the David's Sling Weapon System and the Arrow 3 Upper Tier Interceptor Program; or

(2) separate certifications for each respective system.

(e) TIMING.—The Under Secretary shall submit to the congressional defense committees the certifications under paragraph (2) of subsection (b) and paragraph (2) of subsection (c) by not later than 60 days before the funds specified in paragraph (1) of subsections (b) and (c) for the respective system covered by the certification are provided to the Government of Israel.

(f) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means the following:

(1) The congressional defense committees.

(2) The Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1655. METRICS FOR EVALUATING EFFECTIVENESS OF INTEGRATED BALLISTIC MISSILE DEFENSE SYSTEM AGAINST OPERATIONALLY REALISTIC BALLISTIC MISSILE ATTACKS.

(a) DEVELOPMENT OF METRICS REQUIRED.—The Director of the Missile Defense Agency shall, in coordination with the Director of Operational Test and Evaluation, the Director of the Ballistic Missile Defense System Operational Test Agency, the Commander of the Joint Forces Combatant

Command-Integrated Missile Defense, the service acquisition executives (as defined in section 101 of title 10, United States Code), and the commanders of the combatant commands, develop operationally relevant metrics for evaluating the effectiveness of the integrated Ballistic Missile Defense System (BMDS) and its components and elements against operationally realistic ballistic missile attacks into areas defended by United States combatant commands.

(b) INCORPORATION OF METRICS INTO ANNUAL REPORTS.—Beginning in February 2019, the Director of the Missile Defense Agency shall incorporate the metrics developed under subsection (a) into the annual reports of the Director to the congressional defense committees, including an assessment of progress against such metrics on the acquisition baseline of the Missile Defense Agency.

(c) LIMITATION.—Of the funds authorized to be appropriated for fiscal year 2019 by this Act and available for the Command and Control, Battle Management and Communications (C2BMC) program, not more than 50 percent may be obligated or expended until the Director develops the metrics required by subsection (a).

SEC. 1656. MODIFICATION OF REQUIREMENT RELATING TO TRANSITION OF BALLISTIC MISSILE DEFENSE PROGRAMS TO MILITARY DEPARTMENTS.

Section 1676(b)(2) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by inserting "or equivalent approval" before the period at the end.

SEC. 1657. SENSE OF THE SENATE ON ACCELERATION OF MISSILE DEFENSE CAPABILITIES.

(a) SENSE OF THE SENATE.—It is the sense of the Senate that the Missile Defense Agency should—

(1) accelerate the fielding, if technically feasible, of the planned additional 20 ground-based interceptors with Redesigned Kill Vehicles (RKV) at Missile Field 4 at Fort Greely, Alaska, and to mate the Redesigned Kill Vehicles with the newest booster technology;

(2) weigh the rapid growth in missile and nuclear threats against the cost and risk of accelerating the Redesigned Kill Vehicle and the Multi-Object Kill Vehicle development and deployment;

(3) ensure, prior to its operational deployment, that the Redesigned Kill Vehicle has demonstrated the ability to accomplish its intended mission through a successful, operationally realistic flight test;

(4) rapidly develop and deploy a persistent, space-based sensor architecture to ensure our missile defenses are more effective against ballistic missile threats and more responsive to new and emergent threats from hypersonic and cruise missiles;

(5) pursue innovative concepts for existing technologies, such as a missile defense role for the F–35 aircraft; and

(6) invest in advanced technologies, such as boost-phase warning, tracking, and intercept.

(b) REPORT.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Director of the Missile Defense Agency shall submit to the congressional defense committees a report on ways the Missile Defense Agency can accelerate the construction of Missile Field 4 at Fort Greely, Alaska, as well as the deployment of 20 ground-based interceptors with Redesigned Kill Vehicles (RKV) at such missile field, by at least one year.

(2) CONTENTS.—The report required by paragraph (1) shall include the following:

(A) A threat-based description of the benefits and risks of accelerating the construction and deployment referred to in paragraph (1).

(B) A description of the technical and acquisition risks and potential effects on the reliability of the Redesigned Kill Vehicle if deployment is accelerated as described in paragraph (1).

(C) A description of the cost implications of accelerating the construction and deployment referred to in paragraph (1).

(D) A description of the effect such acceleration would have on the Redesigned Kill Vehicle flight test schedule and the overall Integrated Master Test Plan.

(E) A description of the effect that the acceleration described in paragraph (1) would have on re-tipping currently deployed exoatmospheric kill vehicles with the Redesigned Kill Vehicle.

(F) A description of how such acceleration would align with the deployment of the long range discrimination radar and the homeland defense radar-Hawaii.

(G) A cost-benefit analysis and a feasibility assessment for construction of a fifth missile field at Fort Greely, Alaska.

(3) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1658. INTEGRATED AIR AND MISSILE DEFENSE FOR EVOLVING THEATER MISSILE THREATS.

(a) SENSE OF THE SENATE.—It is the Sense of the Senate that—

(1) the United States should utilize regional missile defense assets to counter and deter against cruise, short-to-medium-range ballistic, and hypersonic missile threats;

(2) the United States should continue to rapidly work toward the interoperability of all United States missile defense systems for a more effective layered defense; and

(3) the United States Army should increase its attention, focus, and resources developing an integrated air-and-missile defense architecture to protect both land and air forces from cruise, short-to-medium-range ballistic, and hypersonic missile threats.

(b) REPORT.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, if consistent with the direction or recommendations of the Missile Defense Review that commenced in 2017, the Sec-

retary of Defense shall submit to the congressional defense committees a report on the Department's plan for the creation of a fully interoperable and integrated air and missile defense architecture.

(2) ELEMENTS.—Elements of the report required by paragraph (1) are as follows:

(A) An intelligence assessment of cruise, short-to-medium-range ballistic, and hypersonic missile threats to the United States and its deployed forces.

(B) An examination of current United States capabilities to defeat the threats included in the report required by subparagraph (A) and an analysis of the existing capability and resource gaps.

(C) An analysis of the level of integration and interoperability of United States missile defense systems and the future requirements needed to become fully integrated and interoperable to defeat the threats included in the report required by subparagraph (A).

(D) A description of the current state of survivability of United States missile defense systems against the full spectrum of air and mis-

sile threats from near-peer threats and any planned efforts to increase survivability.

(3) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1659. ACCELERATION OF HYPERSONIC MISSILE DEFENSE PROGRAM.

(a) ACCELERATION OF PROGRAM.—The Director of the Missile Defense Agency shall accelerate the hypersonic missile defense program of the Missile Defense Agency.

(b) DEPLOYMENT.—The Director shall deploy such program in conjunction with a persistent space-based missile defense sensor program.

(c) REPORT.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Director shall submit to the congressional defense committees a report on how hypersonic missile defense can be accelerated to meet emerging hypersonic threats.

(2) CONTENTS.—The report submitted under paragraph (1) shall include the following:

(A) An estimate of the cost of such acceleration.

(B) The technical requirements and acquisition plan needed for the Director to develop and deploy a hypersonic missile defense program.

(C) A testing campaign plan that accelerates the delivery of hypersonic defense systems to the warfighter.

(3) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1660. SENSE OF THE SENATE ON ALLIED PARTNERSHIPS FOR MISSILE DEFENSE.

It is the sense of the Senate that—

(1) the United States should seek additional opportunities, at the tactical, operational, and strategic levels, to provide missile defense capabilities, doctrine, interoperability, and planning to allies and trusted partners of the United States;

(2) an expedited foreign military sales arrangement would be beneficial in delivering such missile defenses to allies and trusted partners; and

(3) it is important to continue to work with allies and trusted partners, such as Israel, to learn from their experience deploying successful missile defense technologies.

SEC. 1660A. SENSE OF THE SENATE ON RESULTS OF TESTS CARRIED OUT BY MISSILE DEFENSE AGENCY.

It is the sense of the Senate that—

(1) tests carried out by the Missile Defense Agency, which do not achieve an intercept or the main objective, should not be considered failures;

(2) the Missile Defense Agency—in an effort to deliver capabilities at the speed of relevance—should recognize the learning value of individual advancements made by all test events, rather than viewing any total outcome as an indication of the reliability of entire missile defense systems;

(3) the Missile Defense Agency should, as part of its test program, continue to build an independently accredited modeling and simulation element to better inform missile defense performance assessments and test criteria; and

(4) the Missile Defense Agency should continue to pursue an increasingly rigorous testing regime, in coordination with the Office of the Director, Operational Test and Evaluation, to more rapidly deliver capabilities to the warfighter as the threat evolves.

SEC. 1660B. SENSE OF THE SENATE ON DISCRIMINATION FOR MISSILE DEFENSE.

(a) SENSE OF THE SENATE.—It is the sense of the Senate that prioritizing discrimination capabilities to improve

missile defense effectiveness against current and future threats is critically important.

(b) REPORT.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Director of the Missile Defense Agency shall submit to the congressional defense committees a report on the following:

(A) Needed discrimination improvements within the missile defense architecture.

(B) The Missile Defense Agency's plan to rapidly field advanced discrimination capabilities.

(C) An analysis of efforts to address discrimination challenges against emerging adversary threats, including hypersonic and cruise missiles.

(2) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1660C. DEVELOPMENT AND DEPLOYMENT OF PERSISTENT SPACE-BASED SENSOR ARCHITECTURE.

(a) DISSOCIATION WITH BALLISTIC MISSILE DEFENSE REVIEW.—Subsection (a) of section 1683 of the Na-

tional Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by striking "If consistent" and all that follows through "develop" and inserting "Not later than December 31, 2018, the Director of the Missile Defense Agency shall, in coordination with the Secretary of the Air Force and the Director of the Defense Advanced Research Projects Agency, commence developing".

(b) DEPLOYMENT DEADLINE.—Such subsection is further amended—

(1) by striking "(A) IN GENERAL.—" and inserting the following:

"(a) DEVELOPMENT AND DEPLOYMENT.—

"(1) DEVELOPMENT.—"; and

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

"(2) DEPLOYMENT.—The Director of the Missile Defense Agency shall ensure that the sensor architecture developed under paragraph (1) is deployed on or before December 31, 2022.".

(c) COMPATIBILITY WITH EFFORTS OF DEFENSE ADVANCED RESEARCH PROJECTS AGENCY.—Such section is amended—

(1) by redesignating subsections (e) and (f) as subsection (f) and (g), respectively; and

(2) by inserting after subsection (d) the following new subsection (e):

"(e) COMPATIBILITY WITH EFFORTS OF DEFENSE ADVANCED RESEARCH PROJECTS AGENCY.—The Director shall ensure that the sensor architecture developed under subsection (a) is compatible with efforts of the Defense Advanced Research Projects Agency relating to space-based sensors for missile defense.".

(d) REPORT ON PROGRESS.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, Secretary of Defense shall submit to the congressional defense committees a report on the progress of all efforts being made by the Missile Defense Agency, the Defense Advanced Research Projects Agency, and the Air Force relating to space-based sensing and tracking capabilities for missile defense and how each of such organizations will work together to avoid duplication of efforts.

(2) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1660D. MODIFICATION OF REQUIREMENT TO DEVELOP A SPACE-BASED BALLISTIC MISSILE INTERCEPT LAYER.

(a) DISSOCIATION WITH BALLISTIC MISSILE DEFENSE REVIEW.—Subsection (a) of section 1688 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended, in the matter before paragraph (1), by striking "If consistent" and all that follows through "the Director" and inserting "The Director".

(b) CONFORMING AMENDMENT.—Subsection (b) of such section is amended, in the matter before paragraph (1), by striking "If the Director carries out subsection (a), not later" and inserting "Not later".

Subtitle F—Other Matters

SEC. 1661. ASSESSMENT OF ELECTRONIC WARFARE CAPABILITIES OF RUSSIA AND CHINA.

(a) IN GENERAL.—Not later than 270 days after the date of the enactment of this Act, the Director of the Defense Intelligence Agency shall submit to the congressional defense committees and the congressional intelligence committees (as defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003)) country-wide assessments of the electronic warfare capabilities of the Russian Federation and the People's Republic of China.

(b) CONTENTS.—The assessments submitted under subsection (a) shall include, for the countries concerned, the following:

(1) The electronic warfare doctrine.

(2) The order of battle on land, sea, air, space, and cyberspace.

(3) The current status of expected direction of technology and research over the next 10 years.

SEC. 1662. BUDGET EXHIBIT ON SUPPORT PROVIDED TO ENTITIES OUTSIDE DEPARTMENT OF DEFENSE.

(a) IN GENERAL.—The Under Secretary of Defense (Comptroller) shall include in the budget justification materials submitted to Congress in support of the Department of Defense budget for each fiscal year (as submitted with the budget of the President under section 1105(a) of title 31, United States Code) a single budget exhibit containing relevant details pertaining to support provided by the Department of Defense to the Executive Office of the President related to senior leader communications and continuity of government programs.

(b) INCLUSIONS.—The budget exhibit required by subsection (a) shall include—

(1) support provided by the White House Military Office, the White House Communications Agency, special mission area activities of the Defense In-

formation Systems Agency, and other relevant programs; and

(2) specific appropriation and line numbers where appropriate.

(c) FORM.—The budget exhibit required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1663. DEVELOPMENT OF ELECTROMAGNETIC BATTLE MANAGEMENT CAPABILITY FOR JOINT ELECTROMAGNETIC OPERATIONS.

(a) DESIGNATION OF EXECUTIVE AGENT.—Not later than 180 days after the date of the enactment of this Act, the Electronic Warfare Executive Committee shall designate a military service with the responsibility for acting as executive agent for the development of an Electromagnetic Battle Management capability for joint electromagnetic operations.

(b) CERTIFICATION REQUIREMENT.—Along with the budget for each fiscal year submitted by the President pursuant to section 1105(a) of title 31, United States Code, the Secretary of Defense shall include a certification from the Electronic Warfare Executive Committee whether sufficient funds have been budgeted for the development of an Electromagnetic Battle Management capability for joint electromagnetic operations.

TITLE XVII—COMMITTEE ON FOREIGN INVESTMENT IN THE UNITED STATES

SEC. 1701. SHORT TITLE.

This title may be cited as the "Foreign Investment Risk Review Modernization Act of 2018".

SEC. 1702. SENSE OF CONGRESS.

(a) IN GENERAL.—It is the sense of Congress that—

(1) foreign investment provides substantial economic benefits to the United States, including the promotion of economic growth, productivity, competitiveness, and job creation, and the majority of foreign investment transactions pose little or no risk to the national security of the United States, especially when those investments are truly passive in nature;

(2) maintaining the commitment of the United States to open and fair investment policy also encourages other countries to reciprocate and helps open new foreign markets for United States businesses and their products;

(3) it should continue to be the policy of the United States to enthusiastically welcome and support foreign investment, consistent with the protection of national security;

(4) at the same time, the national security landscape has shifted in recent years, and so has the nature of the investments that pose the greatest potential risk to national security, which warrants a modernization of the processes and authorities of the Committee on Foreign Investment in the United States and of the United States export control system;

(5) the Committee on Foreign Investment in the United States plays a critical role in protecting the national security of the United States, and, therefore, it is essential that the member agencies of the Committee are adequately resourced and able to hire appropriately qualified individuals in a timely manner, and that those individuals' security clearances are processed as a high priority;

(6) the President should conduct a more robust international outreach effort to urge and help allies and partners of the United States to establish processes that parallel the Committee on Foreign Investment in the United States to screen foreign investments for national security risks and to facilitate coordination;

(7) the President should lead a collaborative effort with allies and partners of the United States to strengthen the multilateral export control regime to

more effectively address the unprecedented industrial policies of certain countries of special concern, including aggressive efforts to acquire United States technology, and the blending of civil and military programs;

(8) any penalties imposed by the United States Government with respect to an individual or entity pursuant to a determination that the individual or entity has violated sanctions imposed by the United States or the export control laws of the United States should not be reversed for reasons unrelated to the national security of the United States; and

(9) the Committee on Foreign Investment in the United States should continue to review transactions for the purpose of protecting national security and should not consider issues of national interest absent a national security nexus.

(b) SENSE OF CONGRESS ON CONSIDERATION OF COVERED TRANSACTIONS.—It is the sense of Congress that, when considering national security risks, the Committee on Foreign Investment in the United States may consider—

(1) whether a transaction involves a country of special concern that has a demonstrated or declared strategic goal of acquiring a type of critical technology or critical infrastructure that would affect

United States technological and industrial leadership in areas related to national security;

(2) the potential national security-related effects of the cumulative market share of or a pattern of recent transactions in any one type of infrastructure, energy asset, critical material, or critical technology by foreign persons;

(3) whether any foreign person that would acquire an interest in a United States business or its assets as a result of a transaction has a history of complying with United States laws and regulations;

(4) the extent to which a transaction is likely to expose, either directly or indirectly, personally identifiable information, genetic information, or other sensitive data of United States citizens to access by a foreign government or foreign person that may exploit that information in a manner that threatens national security; and

(5) whether a transaction is likely to have the effect of exacerbating or creating new cybersecurity vulnerabilities in the United States or is likely to result in a foreign government gaining a significant new capability to engage in malicious cyber-enabled activities against the United States, including such

activities designed to affect the outcome of any election for Federal office.

SEC. 1703. DEFINITIONS.

Section 721(a) of the Defense Production Act of 1950 (50 U.S.C. 4565(a)) is amended to read as follows:

"(a) DEFINITIONS.—In this section:

"(1) ACCESS.—The term 'access' means the ability and opportunity to obtain information, subject to regulations prescribed by the Committee.

"(2) COMMITTEE; CHAIRPERSON.—The terms 'Committee' and 'chairperson' mean the Committee on Foreign Investment in the United States and the chairperson thereof, respectively.

"(3) CONTROL.—The term 'control' means the power to determine, direct, or decide important matters affecting an entity, subject to regulations prescribed by the Committee.

"(4) COUNTRY OF SPECIAL CONCERN.—

"(A) IN GENERAL.—The term 'country of special concern' means a country that poses a significant threat to the national security interests of the United States.

"(B) RULE OF CONSTRUCTION.—This paragraph shall not be construed to require the Com-

mittee to maintain a list of countries of special concern.

"(5) COVERED TRANSACTION.—

"(A) IN GENERAL.—Except as otherwise provided, the term 'covered transaction' means—

"(i) any transaction described in subparagraph (B)(i); and

"(ii) any transaction described in clauses (ii) through (v) of subparagraph (B) that is proposed, pending, or completed on or after the effective date specified in section 1732(b)(1)(A) of the Foreign Investment Risk Review Modernization Act of 2018.

"(B) TRANSACTIONS DESCRIBED.—A transaction described in this subparagraph is any of the following:

"(i) Any merger, acquisition, or takeover that is proposed or pending after August 23, 1988, by or with any foreign person that could result in foreign control of any United States business.

"(ii) Subject to subparagraph (C), the purchase or lease by a foreign person of, or a concession offered to a foreign person with

respect to, private or public real estate that—

"(I) is located in the United States;

"(II)(aa) is, is located at, or will function as part of, a land, air, or maritime port; or

"(bb)(AA) is in close proximity to a United States military installation or another facility or property of the United States Government that is sensitive for reasons relating to national security;

"(BB) could reasonably provide the foreign person the ability to collect information on activities being conducted at such an installation, facility, or property; or

"(CC) could otherwise expose national security activities at such an installation, facility, or property to the risk of foreign surveillance; and

"(III) meets such other criteria as the Committee prescribes by regulation, as long as such criteria do not expand

the categories of real estate to which this clause applies beyond the categories described in subclause (II).

"(iii) Any other investment (other than a passive investment) by a foreign person in any United States critical technology company or United States critical infrastructure company that is unaffiliated with the foreign person, subject to regulations prescribed under subparagraph (C).

"(iv) Any change in the rights that a foreign person has with respect to a United States business in which the foreign person has an investment, if that change could result in—

"(I) foreign control of the United States business; or

"(II) an investment described in clause (iii).

"(v) Any other transaction, transfer, agreement, or arrangement the structure of which is designed or intended to evade or circumvent the application of this section, subject to regulations prescribed by the Committee.

"(C) FURTHER DEFINITION THROUGH REGULATIONS.—

"(i) EXCEPTION FOR CERTAIN REAL ESTATE TRANSACTIONS.—A real estate purchase or lease described in subparagraph (B)(ii) does not include a lease or purchase of—

"(I) a single 'housing unit', as defined by the Census Bureau; or

"(II) real estate in 'urbanized areas', as defined by the Census Bureau in the most recent census, except as otherwise prescribed by the Committee in regulations in consultation with the Secretary of Defense.

"(ii) CERTAIN OTHER INVESTMENT.—The Committee shall prescribe regulations further defining covered transactions described in subparagraph (B)(iii) by reference to the technology, sector, subsector, transaction type, or other characteristics of such transactions.

"(iii) EXEMPTION FOR TRANSACTIONS FROM IDENTIFIED COUNTRIES.—

"(I) IN GENERAL.—The Committee shall, by regulation, define circumstances and procedures under which a transaction otherwise described in clause (ii) or (iii) of subparagraph (B) is excluded from the definition of 'covered transaction' if each foreign person that is a party to the transaction, and each foreign person with ownership or control over a party to the transaction, is from (as determined by the Committee pursuant to regulations prescribed by the Committee), a country or part of a country identified by the Committee for purposes of this clause based on factors established by the Committee, such as—

"(aa) whether, in the sole judgment of the Committee, the process of the country for reviewing the national security effects of foreign investment and associated international cooperation effectively safeguards national security

interests the country shares with the United States;

"(bb) whether the country is a member country of the North Atlantic Treaty Organization or is designated as a major non-NATO ally pursuant to section 517 of the Foreign Assistance Act of 1961 (22 U.S.C. 2321k);

"(cc) whether the country adheres to nonproliferation control regimes, including treaties and multilateral supply guidelines, which shall be informed by sources such as the annual report on 'Adherence to and Compliance with Arms Control, Nonproliferation and Disarmament Agreements and Commitments' required by section 403 of the Arms Control and Disarmament Act (22 U.S.C. 2593a);

"(dd) whether excluding transactions by foreign persons from the country advances the na-

tional security objectives of the United States; and

"(ee) any other factors that the Committee determines to be appropriate.

"(II) RECURRING ASSESSMENT OF IDENTIFIED COUNTRIES.—The Committee shall reconsider on a regular basis the identification of countries and parts of countries under subclause (I).

"(iv) EXCEPTION FOR AIR CARRIERS.—For purposes of subparagraph (B)(iii), the term 'other investment' does not include an investment involving an air carrier, as defined in section 40102(a)(2) of title 49, United States Code, that holds a certificate issued under section 41102 of that title.

"(v) TRANSFERS OF CERTAIN ASSETS PURSUANT TO BANKRUPTCY PROCEEDINGS OR OTHER DEFAULTS.—The Committee shall prescribe regulations to clarify that the term 'covered transaction' includes any transaction described in subparagraph (B)

that arises pursuant to a bankruptcy proceeding or other form of default on debt.

"(D) PASSIVE INVESTMENT DEFINED.—

"(i) IN GENERAL.—For purposes of subparagraph (B)(iii), the term 'passive investment' means an investment, direct or indirect, by a foreign person in a United States critical infrastructure company or United States critical technology company that meets the following criteria:

"(I) The investment is not described in subparagraph (B)(i).

"(II) The investment does not afford the foreign person—

"(aa) access to any material nonpublic technical information in the possession of the United States critical infrastructure company or United States critical technology company;

"(bb) membership or observer rights on the board of directors or equivalent governing body of the United States critical infrastructure company or United States

critical technology company or the right to nominate an individual to a position on the board of directors or equivalent governing body; or

"(cc) any involvement, other than through voting of shares, in substantive decisionmaking relating to the management, governance, or operation of the United States critical infrastructure company or United States critical technology company.

"(III) The foreign person does not have a material parallel strategic partnership or other material financial relationship, as described in regulations prescribed by the Committee, with the United States critical infrastructure company or United States critical technology company.

"(IV) Such other criteria as the Committee may prescribe by regulation, which shall be consistent with the

criteria specified in subclauses (I), (II), and (III).

"(ii) MATERIAL NONPUBLIC TECHNICAL INFORMATION DEFINED.—For purposes of clause (i)(II)(aa), the term 'material nonpublic technical information' has the meaning given that term in regulations prescribed by the Committee, except that the term does not include financial information regarding the performance of a United States critical infrastructure company or United States critical technology company.

"(iii) EFFECT OF LEVEL OF OWNERSHIP INTEREST.—

"(I) IN GENERAL.—A determination of whether an investment is a passive investment under clause (i) shall be made without regard to how low the level of ownership interest a foreign person would hold or acquire in a United States critical infrastructure company or United States critical technology company would be as a result of the investment.

"(II) REGULATIONS.—

"(aa) IN GENERAL.—The Committee may prescribe regulations specifying that any investment (other than an investment described in item (bb)) greater than a certain level or amount shall not be considered a passive investment under clause (i).

"(bb) INVESTMENT DESCRIBED.—An investment described in this item is an investment—

"(AA) by a foreign person in a United States critical infrastructure company or United States critical technology company through an investment fund;

"(BB) that does not result in the foreign person's control of the United States critical technology or United States critical infrastructure company; and

"(CC) that otherwise meets the requirements of clauses (i) and (iv), as applicable.

"(iv) SPECIFIC CLARIFICATION FOR INVESTMENT FUNDS.—

"(I) TREATMENT OF CERTAIN INVESTMENTS AS PASSIVE INVESTMENTS.—Notwithstanding clause (i)(II)(bb) and subject to regulations prescribed by the Committee, an indirect investment by a foreign person in a United States critical infrastructure company or United States critical technology company through an investment fund that affords the foreign person (or a designee of the foreign person) membership as a limited partner on an advisory board or a committee of the fund shall be considered a passive investment if—

"(aa) the fund is managed exclusively by a general partner, a managing member, or an equivalent;

"(bb) the general partner, managing member, or equivalent is not a foreign person;

"(cc) the advisory board or committee does not have the ability to approve, disapprove, or otherwise control—

"(AA) investment decisions of the fund; or

"(BB) decisions made by the general partner, managing member, or equivalent related to entities in which the fund is invested;

"(dd) the foreign person does not otherwise have the ability to control the fund, including the authority—

"(AA) to approve, disapprove, or otherwise control investment decisions of the fund;

"(BB) to approve, disapprove, or otherwise control decisions made by the general

partner, managing member, or equivalent related to entities in which the fund is invested; or

"(CC) to unilaterally dismiss, prevent the dismissal of, select, or determine the compensation of the general partner, managing member, or equivalent; and

"(ee) the investment otherwise meets the requirements of this subparagraph.

"(II) TREATMENT OF CERTAIN WAIVERS.—

"(aa) IN GENERAL.—For the purposes of items (cc) and (dd) of subclause (I) and except as provided in item (bb), a waiver of a potential conflict of interest, a waiver of an allocation limitation, or a similar activity, applicable to a transaction pursuant to the terms of an agreement governing an investment fund shall

not be considered to constitute control of investment decisions of the fund or decisions relating to entities in which the fund is invested.

"(bb) EXCEPTION.—The Committee may prescribe regulations providing for exceptions to item (aa) for extraordinary circumstances.

"(v) REGULATIONS.—The Committee shall prescribe regulations providing guidance on the types of transactions that the Committee considers to be passive investment.

"(E) UNITED STATES CRITICAL INFRASTRUCTURE COMPANY DEFINED.—For purposes of this paragraph, the term 'United States critical infrastructure company' means a United States business that is, owns, operates, or primarily provides services to, an entity or entities that operate within a critical infrastructure sector or subsector, as defined by regulations prescribed by the Committee.

"(F) UNITED STATES CRITICAL TECHNOLOGY COMPANY DEFINED.—For purposes of this paragraph, the term 'United States critical technology company' means a United States business that produces, designs, tests, manufactures, or develops one or more critical technologies, or a subset of such technologies, as defined by regulations prescribed by the Committee.

"(6) CRITICAL INFRASTRUCTURE.—The term 'critical infrastructure' means, subject to regulations prescribed by the Committee, systems and assets, whether physical or virtual, so vital to the United States that the incapacity or destruction of such systems or assets would have a debilitating impact on national security.

"(7) CRITICAL MATERIALS.—The term 'critical materials' means physical materials essential to national security, subject to regulations prescribed by the Committee.

"(8) CRITICAL TECHNOLOGIES.—

"(A) IN GENERAL.—The term 'critical technologies' means technology, components, or technology items that are essential or could be essential to national security, identified for purposes

of this section pursuant to regulations prescribed by the Committee.

"(B) INCLUSION OF CERTAIN ITEMS.—The term 'critical technologies' includes the following:

"(i) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations.

"(ii) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled—

"(I) pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

"(II) for reasons relating to regional stability or surreptitious listening.

"(iii) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities).

"(iv) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material).

"(v) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code.

"(vi) Emerging and foundational technologies identified pursuant to section 1725(a) of the Foreign Investment Risk Review Modernization Act of 2018.

"(9) FOREIGN GOVERNMENT-CONTROLLED TRANSACTION.—The term 'foreign government-controlled transaction' means any covered transaction that could result in the control of any United States business by a foreign government or an entity controlled by or acting on behalf of a foreign government.

"(10) FOREIGN PERSON.—

"(A) IN GENERAL.—The term 'foreign person' means—

"(i) any foreign national, foreign government, or foreign entity; or

"(ii) any entity over which control is exercised or exercisable by a foreign national, foreign government, or foreign entity.

"(B) FOREIGN ENTITY DEFINED.—

"(i) IN GENERAL.—For purposes of subparagraph (A) and except as provided in clause (ii), the term 'foreign entity' means any branch, partnership, group or subgroup, association, estate, trust, corporation or division of a corporation, or organization organized under the laws of a foreign country if—

"(I) the principal place of business of the entity is outside the United States; or

"(II) the equity securities of the entity are primarily traded on one or more foreign exchanges.

"(ii) EXCEPTION.—For purposes of subparagraph (A), the term 'foreign entity' does not include an entity that demonstrates to the Committee that a majority of the equity interest in the entity is ultimately owned by United States nationals.

"(11) INTELLIGENCE COMMUNITY.—The term 'intelligence community' has the meaning given that term in section 3(4) of the National Security Act of 1947 (50 U.S.C. 3003(4)).

"(12) INVESTMENT.—The term 'investment' means the acquisition of equity interest, including contingent equity interest, as further defined in regulations prescribed by the Committee.

"(13) LEAD AGENCY.—The term 'lead agency' means the agency or agencies designated as the lead agency or agencies pursuant to subsection (k)(5).

"(14) NATIONAL SECURITY.—The term 'national security' shall be construed so as to include those issues relating to 'homeland security', including its application to critical infrastructure.

"(15) PARTY.—The term 'party' has the meaning given that term in regulations prescribed by the Committee.

"(16) UNITED STATES.—The term 'United States' means the several States, the District of Columbia, and any territory or possession of the United States.

"(17) UNITED STATES BUSINESS.—The term 'United States business' means a person engaged in interstate commerce in the United States.".

SEC. 1704. ACCEPTANCE OF WRITTEN NOTICES.

Section 721(b)(1)(C)(i) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)(C)(i)) is amended—

(1) by striking "Any party" and inserting the following:

"(I) IN GENERAL.—Any party"; and

(2) by adding at the end the following:

"(II) COMMENTS AND ACCEPTANCE.—

"(aa) IN GENERAL.—Subject to item (cc), the Committee shall provide comments on a draft or final written notice or accept a final written notice submitted under subclause (I) with respect to a covered transaction not later than the date that is 10 business

days after the date of submission of the draft or final notice.

"(bb) COMPLETENESS.—If the Committee determines that a draft or final written notice described in item (aa) is not complete, the Committee shall notify the party or parties to the transaction in writing that the notice is not complete and provide an explanation of all material respects in which the notice is incomplete.

"(cc) STIPULATIONS REQUIRED.—The timing requirement under item (aa) shall apply only in a case in which the parties stipulate under clause (vi) that the transaction is a covered transaction.".

SEC. 1705. INCLUSION OF PARTNERSHIP AND SIDE AGREEMENTS IN NOTICE.

Section 721(b)(1)(C) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)(C)) is amended by adding at the end the following:

"(iv) INCLUSION OF PARTNERSHIP AND SIDE AGREEMENTS.—A written notice submitted under clause (i) by a party to a covered transaction shall include a copy of any partnership agreements, integration agreements, or other side agreements relating to the transaction, including any such agreements relating to the transfer of intellectual property, as specified in regulations prescribed by the Committee.".

SEC. 1706. DECLARATIONS FOR CERTAIN COVERED TRANSACTIONS.

Section 721(b)(1)(C) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)(C)), as amended by section 1705, is further amended by adding at the end the following:

"(v) DECLARATIONS FOR CERTAIN COVERED TRANSACTIONS.—

"(I) IN GENERAL.—A party to any covered transaction may submit to the Committee a declaration with basic information regarding the transaction instead of a written notice under clause (i).

"(II) REGULATIONS.—The Committee shall prescribe regulations establishing requirements for declarations submitted under this clause. In prescribing such regulations, the Committee shall ensure that such declarations are submitted as abbreviated notifications that would not generally exceed 5 pages in length.

"(III) COMMITTEE RESPONSE TO DECLARATION.—

"(aa) IN GENERAL.—Upon receiving a declaration under this clause with respect to a covered transaction, the Committee may, at the discretion of the Committee—

"(AA) request that the parties to the transaction file a written notice under clause (i);

"(BB) inform the parties to the transaction that the Committee is not able to complete action under this

section with respect to the transaction on the basis of the declaration and that the parties may file a written notice under clause (i) to seek written notification from the Committee that the Committee has completed all action under this section with respect to the transaction;

"(CC) initiate a unilateral review of the transaction under subparagraph (D); or

"(DD) notify the parties in writing that the Committee has completed all action under this section with respect to the transaction.

"(bb) TIMING.—The Committee shall take action under item (aa) not later than 30 days after receiving a declaration under this clause.

"(cc) RULE OF CONSTRUCTION.—Nothing in this subclause

(other than item (aa)(CC)) shall be construed to affect the authority of the President or the Committee to take any action authorized by this section with respect to a covered transaction.

"(IV) MANDATORY DECLARATIONS.—

"(aa) REGULATIONS.—The Committee shall prescribe regulations specifying the types of covered transactions for which the Committee requires a declaration under this subclause.

"(bb) CERTAIN COVERED TRANSACTIONS WITH FOREIGN GOVERNMENT INTERESTS.—

"(AA) IN GENERAL.—Except as provided in subitem (BB), the parties to a covered transaction shall submit a declaration described in subclause (I) with respect to the transaction if the transaction involves an

investment that results in the acquisition, directly or indirectly, of a substantial interest in a United States critical infrastructure company or United States critical technology company by a foreign person in which a foreign government has, directly or indirectly, a substantial interest.

"(BB) EXCEPTION.—The submission of a declaration described in subclause (I) shall not be required with respect to a transaction described in subitem (AA) if each foreign person that is a party to the transaction, and each foreign person with ownership or control over a party to the transaction, is from a country or part of a country identified by the

Committee under subsection (a)(5)(C)(iii).

"(CC) SUBSTANTIAL INTEREST DEFINED.—In this item, the term 'substantial interest' has the meaning given that term in regulations which the Committee shall prescribe. In developing those regulations, the Committee shall consider the means by which a foreign government could influence the actions of a foreign person, including through board membership, ownership interest, or shareholder rights. An interest that is a passive investment (as defined in subsection (a)(5)(D)) or that is less than a 10 percent voting interest shall not be considered a substantial interest.

"(cc) OTHER DECLARATIONS REQUIRED BY COMMITTEE.—The

Committee shall require the submission of a declaration described in subclause (I) with respect to any covered transaction identified under regulations prescribed by the Committee for purposes of this item, at the discretion of the Committee and based on appropriate factors, such as—

"(AA) the technology, industry, economic sector, or economic subsector in which the United States business that is a party to the transaction trades or of which it is a part;

"(BB) the difficulty of remedying the harm to national security that may result from completion of the transaction;

"(CC) the difficulty of obtaining information on the type of covered transaction through other means; and

"(DD) the difficulty of obtaining information on the ultimate ownership of the foreign person that is a party to the transaction.

"(dd) EXCEPTION.—The submission of a declaration described in subclause (I) shall not be required pursuant to this subclause with respect to an investment by an investment fund if—

"(AA) the fund is managed exclusively by a general partner, a managing member, or an equivalent;

"(BB) the general partner, managing member, or equivalent is not a foreign person; and

"(CC) the investment fund satisfies, with respect to any foreign person with membership as a limited partner on an advisory board or a committee of the

fund, the criteria specified in items (cc) and (dd) of subsection (a)(5)(D)(iv).

"(ee) SUBMISSION OF WRITTEN NOTICE AS AN ALTERNATIVE.—Parties to a covered transaction for which a declaration is required under this subclause may instead elect to submit a written notice under clause (i).

"(ff) TIMING OF SUBMISSION.—

"(AA) IN GENERAL.—A declaration required to be submitted with respect to a covered transaction by this subclause shall be submitted not later than 45 days before the completion of the transaction.

"(BB) WRITTEN NOTICE.—If, pursuant to item (ee), the parties to a covered transaction elect to submit a written notice under clause

(i) instead of a declaration under this subclause, the written notice shall be filed not later than 90 days before the completion of the transaction.

"(gg) PENALTIES.—The Committee may impose a penalty pursuant to subsection (h)(3) with respect to a party that fails to comply with this subclause.".

SEC. 1707. STIPULATIONS REGARDING TRANSACTIONS.

Section 721(b)(1)(C) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)(C)), as amended by section 1706, is further amended by adding at the end the following:

"(vi) STIPULATIONS REGARDING TRANSACTIONS.—

"(I) IN GENERAL.—In a written notice submitted under clause (i) or a declaration submitted under clause (v) with respect to a transaction, a party to the transaction may—

"(aa) stipulate that the transaction is a covered transaction; and

"(bb) if the party stipulates that the transaction is a covered transaction under item (aa), stipulate that the transaction is a foreign government-controlled transaction.

"(II) BASIS FOR STIPULATION.—A written notice submitted under clause (i) or a declaration submitted under clause (v) that includes a stipulation under subclause (I) shall include a description of the basis for the stipulation.".

SEC. 1708. AUTHORITY FOR UNILATERAL INITIATION OF REVIEWS.

Section 721(b)(1) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)) is amended—

(1) by redesignating subparagraphs (E) and (F) as subparagraphs (F) and (G), respectively;

(2) in subparagraph (D)—

(A) in the matter preceding clause (i), by striking "subparagraph (F)" and inserting "subparagraph (G)";

(B) in clause (i), by inserting "(other than a covered transaction described in subparagraph (E))" after "any covered transaction";

(C) by striking clause (ii) and inserting the following:

"(ii) any covered transaction described in subparagraph (E), if any party to the transaction submitted false or misleading material information to the Committee in connection with the Committee's consideration of the transaction or omitted material information, including material documents, from information submitted to the Committee; or"; and

(D) in clause (iii)—

(i) in the matter preceding subclause (I), by striking "any covered transaction that has previously been reviewed or investigated under this section," and inserting "any covered transaction described in subparagraph (E),";

(ii) in subclause (I), by striking "intentionally";

(iii) in subclause (II), by striking "an intentional" and inserting "a"; and

(iv) in subclause (III), by inserting "adequate and appropriate" before "remedies or enforcement tools"; and

(3) by inserting after subparagraph (D) the following:

"(E) COVERED TRANSACTIONS DESCRIBED.—A covered transaction is described in this subparagraph if—

"(i) the Committee has informed the parties to the transaction in writing that the Committee has completed all action under this section with respect to the transaction; or

"(ii) the President has announced a decision not to exercise the President's authority under subsection (d) with respect to the transaction.".

SEC. 1709. TIMING FOR REVIEWS AND INVESTIGATIONS.

Section 721(b) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)), as amended by section 1708, is further amended—

(1) in paragraph (1)(F), by striking "30" and inserting "45";

(2) in paragraph (2), by striking subparagraph (C) and inserting the following:

"(C) TIMING.—

"(i) IN GENERAL.—Except as provided in clause (ii), any investigation under subparagraph (A) shall be completed before the end of the 45-day period beginning on the date on which the investigation commenced.

"(ii) EXTENSION FOR EXTRAORDINARY CIRCUMSTANCES.—

"(I) IN GENERAL.—In extraordinary circumstances (as defined by the Committee in regulations), the chairperson may, at the request of the head of the lead agency, extend an investigation under subparagraph (A) for one 30-day period.

"(II) NONDELEGATION.—The authority of the chairperson and the head of the lead agency referred to in subclause (I) may not be delegated to any person other than the Deputy Secretary of the Treasury or the deputy head (or

equivalent thereof) of the lead agency, as the case may be.

"(III) NOTIFICATION TO PARTIES.—If the Committee extends the deadline under subclause (I) with respect to a covered transaction, the Committee shall notify the parties to the transaction of the extension."; and

(3) by adding at the end the following:

"(8) TOLLING OF DEADLINES DURING LAPSE IN APPROPRIATIONS.—Any deadline or time limitation under this subsection shall be tolled during a lapse in appropriations.".

SEC. 1710. MONITORING OF NON-NOTIFIED AND NON-DECLARED TRANSACTIONS.

Section 721(b)(1) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)), as amended by sections 1708 and 1709, is further amended by adding at the end the following:

"(H) MONITORING OF NON-NOTIFIED AND NON-DECLARED TRANSACTIONS.—The Committee shall establish a mechanism to identify covered transactions for which—

"(i) a notice under clause (i) of subparagraph (C) or a declaration under

clause (v) of that subparagraph is not submitted to the Committee; and

"(ii) information is reasonably available.".

SEC. 1711. SUBMISSION OF CERTIFICATIONS TO CONGRESS.

Section 721(b)(3)(C) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(3)(C)) is amended—

(1) in clause (iii)—

(A) in subclause (II), by inserting "and the Select Committee on Intelligence" after "Urban Affairs"; and

(B) in subclause (IV), by inserting "and the Permanent Select Committee on Intelligence" after "Financial Services";

(2) in clause (iv), by striking subclause (II) and inserting the following:

"(II) DELEGATION OF CERTIFICATIONS.—

"(aa) IN GENERAL.—Subject to item (bb), the chairperson, in consultation with the Committee, may determine the level of official to whom the signature requirement under subclause (I) for the chairperson and the head of the

lead agency may be delegated. The level of official to whom the signature requirement may be delegated may differ based on any factor relating to a transaction that the chairperson, in consultation with the Committee, deems appropriate, including the type or value of the transaction.

"(bb) LIMITATION ON DELEGATION WITH RESPECT TO CERTAIN TRANSACTIONS.—The signature requirement under subclause (I) may be delegated not below the level of the Assistant Secretary of the Treasury or an equivalent official of the lead agency in the case of a covered transaction—

"(AA) assessed by the Director of National Intelligence under paragraph (4) as more likely than not to threaten the national security of the United States;

"(BB) with respect to which the Committee conducts an investigation under paragraph (2); or

"(CC) with respect to which a request is made by an official at the Deputy Assistant Secretary or Assistant Secretary level of an agency or department represented on the Committee, or an equivalent thereof, that the transaction be reviewed by the Assistant Secretary of the Treasury and an equivalent official of the lead agency.

"(cc) LIMITATION ON DELEGATION WITH RESPECT TO OTHER TRANSACTIONS.—In the case of any covered transaction not described in item (bb), the signature requirement under subclause (I) may be delegated not below the level of a Deputy Assistant Secretary of the Treasury or an

equivalent official of the lead agency.”; and

(3) by adding at the end the following:

“(v) AUTHORITY TO CONSOLIDATE DOCUMENTS.—Instead of transmitting a separate certified notice or certified report under subparagraph (A) or (B) with respect to each covered transaction, the Committee may, on a monthly basis, transmit such notices and reports in a consolidated document to the Members of Congress specified in clause (iii).”.

SEC. 1712. ANALYSIS BY DIRECTOR OF NATIONAL INTELLIGENCE.

Section 721(b)(4) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(4)) is amended—

(1) by striking subparagraph (A) and inserting the following:

“(A) ANALYSIS REQUIRED.—

“(i) IN GENERAL.—Except as provided in subparagraph (B), the Director of National Intelligence shall expeditiously carry out a thorough analysis of any threat to the national security of the United States posed by any covered transaction, which shall in-

clude the identification of any recognized gaps in the collection of intelligence relevant to the analysis.

"(ii) VIEWS OF INTELLIGENCE COMMUNITY.—The Director shall seek and incorporate into the analysis required by clause (i) the views of all affected or appropriate agencies of the intelligence community with respect to the transaction.

"(iii) UPDATES.—At the request of the lead agency, the Director shall update the analysis conducted under clause (i) with respect to a covered transaction with respect to which an agreement was entered into under subsection (l)(3)(A).

"(iv) INDEPENDENCE AND OBJECTIVITY.—The Committee shall ensure that its processes under this section preserve the ability of the Director to conduct analysis under clause (i) that is independent, objective, and consistent with all applicable directives, policies, and analytic tradecraft standards of the intelligence community.";

(2) by redesignating subparagraphs (B), (C), and (D) as subparagraphs (C), (D), and (E), respectively;

(3) by inserting after subparagraph (A) the following:

"(B) BASIC THREAT INFORMATION.—

"(i) IN GENERAL.—The Director of National Intelligence may provide the Committee with basic information regarding any threat to the national security of the United States posed by a covered transaction described in clause (ii) instead of conducting the analysis required by subparagraph (A).

"(ii) COVERED TRANSACTION DESCRIBED.—A covered transaction is described in this clause if—

"(I) the transaction is described in subsection (a)(5)(B)(ii);

"(II) the Director of National Intelligence has completed an analysis pursuant to subparagraph (A) involving each foreign person that is a party to the transaction during the 12 months preceding the review or inves-

tigation of the transaction under this section; or

"(III) the transaction otherwise meets criteria agreed upon by the Committee and the Director for purposes of this subparagraph.";

(4) in subparagraph (C), as redesignated by paragraph (2), by striking "20" and inserting "30"; and

(5) by adding at the end the following:

"(F) ASSESSMENT OF OPERATIONAL IMPACT.—The Director may provide to the Committee an assessment, separate from the analyses under subparagraphs (A) and (B), of any operational impact of a covered transaction on the intelligence community and a description of any actions that have been or will be taken to mitigate any such impact.

"(G) SUBMISSION TO CONGRESS.—The Committee shall submit the analysis required by subparagraph (A) with respect to a covered transaction to the Select Committee on Intelligence of the Senate and the Permanent Select Committee on Intelligence of the House of Representatives upon the conclusion of action under

this section (other than compliance plans under subsection (l)(6)) with respect to the transaction.".

SEC. 1713. INFORMATION SHARING.

Section 721(c) of the Defense Production Act of 1950 (50 U.S.C. 4565(c)) is amended—

(1) by striking "Any information" and inserting the following:

"(1) IN GENERAL.—Except as provided in paragraph (2), any information";

(2) by striking ", except as may be relevant" and all that follows and inserting a period; and

(3) by adding at the end the following:

"(2) EXCEPTIONS.—Paragraph (1) shall not prohibit the disclosure of the following:

"(A) Information relevant to any administrative or judicial action or proceeding.

"(B) Information to Congress or any duly authorized committee or subcommittee of Congress.

"(C) Information to any domestic or foreign governmental entity, under the direction of the chairperson, to the extent necessary for national security purposes and pursuant to appropriate confidentiality and classification arrangements.

"(D) Information that the parties have consented to be disclosed to third parties.

"(3) COOPERATION WITH ALLIES AND PARTNERS.—

"(A) IN GENERAL.—The chairperson, in consultation with other members of the Committee, should establish a formal process for the exchange of information under paragraph (2)(C) with governments of countries that are allies or partners of the United States, in the discretion of the chairperson, to protect the national security of the United States and those countries.

"(B) REQUIREMENTS.—The process established under subparagraph (A) should, in the discretion of the chairperson—

"(i) be designed to facilitate the harmonization of action with respect to trends in investment and technology that could pose risks to the national security of the United States and countries that are allies or partners of the United States;

"(ii) provide for the sharing of information with respect to specific technologies and entities acquiring such technologies as

appropriate to ensure national security; and

"(iii) include consultations and meetings with representatives of the governments of such countries on a recurring basis.".

SEC. 1714. ACTION BY THE PRESIDENT.

(a) IN GENERAL.—Section 721(d) of the Defense Production Act of 1950 (50 U.S.C. 4565(d)) is amended—

(1) by striking paragraph (1) and inserting the following:

"(1) IN GENERAL.—Subject to paragraph (4), the President may, with respect to a covered transaction that threatens to impair the national security of the United States, take such action for such time as the President considers appropriate to suspend or prohibit the transaction or to require divestment."; and

(2) in paragraph (2), by striking "not later than 15 days" and all that follows and inserting the following: "with respect to a covered transaction not later than 15 days after the earlier of—

"(A) the date on which the investigation of the transaction under subsection (b) is completed; or

"(B) the date on which the Committee otherwise refers the transaction to the President under subsection (l)(2).".

(b) CIVIL PENALTIES.—Section 721(h)(3)(A) of the Defense Production Act of 1950 (50 U.S.C. 4565(h)(3)(A)) is amended by striking "including any mitigation" and all that follows through "subsection (l)" and inserting "including any mitigation agreement entered into, conditions imposed, or order issued pursuant to this section".

SEC. 1715. JUDICIAL REVIEW.

Section 721(e) of the Defense Production Act of 1950 (50 U.S.C. 4565(e)) is amended—

(1) by striking "The actions" and inserting the following:

"(1) IN GENERAL.—The actions"; and

(2) by adding at the end the following:

"(2) CIVIL ACTIONS.—A civil action challenging an action or finding of the Committee under this section may be brought only in the United States Court of Appeals for the District of Columbia Circuit.

"(3) PROCEDURES FOR REVIEW OF PRIVILEGED INFORMATION.—If a civil action challenging an action or finding of the Committee under this section is brought, and the court determines that protected information in the administrative record, including

classified, sensitive law enforcement, sensitive security, or other information subject to privilege or protections under any provision of law, is necessary to resolve the challenge, that information shall be submitted ex parte and in camera to the court and the court shall maintain that information under seal.

"(4) APPLICABILITY OF USE OF INFORMATION PROVISIONS.—The use of information provisions of sections 106, 305, 405, and 706 of the Foreign Intelligence Surveillance Act of 1978 (50 U.S.C. 1806, 1825, 1845, and 1881e) shall not apply in a civil action brought under this subsection.".

SEC. 1716. MEMBERSHIP AND STAFF OF COMMITTEE.

(a) HIRING AUTHORITY.—Section 721(k) of the Defense Production Act of 1950 (50 U.S.C. 4565(k)) is amended by striking paragraph (4) and inserting the following:

"(4) HIRING AUTHORITY.—

"(A) SENIOR OFFICIALS.—

"(i) IN GENERAL.—Each member of the Committee shall designate an Assistant Secretary, or an equivalent official, who is appointed by the President, by and with the advice and consent of the Senate, to carry out such duties related to the Committee as the member of the Committee may delegate.

"(ii) DEPARTMENT OF THE TREASURY.—In addition to officials of the Department of the Treasury authorized under section 301 of title 31, United States Code, or any other provision of law, there are authorized at the Department of the Treasury, to carry out such duties related to the Committee as the Secretary of the Treasury may delegate, consistent with this section and reflecting the expanded authorities of the Committee and the role of the Department of the Treasury in implementing those authorities under the amendments made by the Foreign Investment Risk Review Modernization Act of 2018, the following:

"(I) One official, who is appointed by the President, by and with the advice and consent of the Senate, who shall be compensated at a rate not to exceed the rate of basic pay payable for level III of the Executive Schedule under section 5314 of title 5, United States Code.

"(II) One official, who is appointed by the President, by and with

the advice and consent of the Senate, who shall be compensated at a rate not to exceed the rate of basic pay payable for level IV of the Executive Schedule under section 5315 of title 5, United States Code.

"(B) SPECIAL HIRING AUTHORITY.—The heads of the departments and agencies represented on the Committee may appoint, without regard to the provisions of sections 3309 through 3318 of title 5, United States Code, candidates directly to positions in the competitive service (as defined in section 2102 of that title) in their respective departments and agencies to administer this section.".

(b) PROCEDURES FOR RECUSAL OF MEMBERS OF COMMITTEE FOR CONFLICTS OF INTEREST.—Not later than 90 days after the date of the enactment of this Act, the Committee on Foreign Investment in the United States shall—

(1) establish procedures for the recusal of any member of the Committee that has a conflict of interest with respect to a covered transaction (as defined in section 721 of the Defense Production Act of 1950, as amended by section 1703);

(2) submit to the Committee on Banking, Housing, and Urban Affairs of the Senate and the Committee on Financial Services of the House of Representatives a report describing those procedures; and

(3) brief the committees specified in paragraph (1) on the report required by paragraph (2).

SEC. 1717. ACTIONS BY THE COMMITTEE TO ADDRESS NATIONAL SECURITY RISKS.

Section 721(l) of the Defense Production Act of 1950 (50 U.S.C. 4565(l)) is amended—

(1) in the subsection heading, by striking "MITIGATION, TRACKING, AND POSTCONSUMMATION MONITORING AND ENFORCEMENT" and inserting "ACTIONS BY THE COMMITTEE TO ADDRESS NATIONAL SECURITY RISKS";

(2) by redesignating paragraphs (1), (2), and (3) as paragraphs (3), (5), and (6), respectively;

(3) by inserting before paragraph (3), as redesignated by paragraph (2), the following:

"(1) SUSPENSION OF TRANSACTIONS.—The Committee, acting through the chairperson, may suspend a proposed or pending covered transaction that may pose a risk to the national security of the United States for such time as the covered transaction is under review or investigation under subsection (b).

"(2) REFERRAL TO PRESIDENT.—The Committee may, at any time during the review or investigation of a covered transaction under subsection (b), complete the action of the Committee with respect to the transaction and refer the transaction to the President for action pursuant to subsection (d).";

(4) in paragraph (3), as redesignated by paragraph (2)—

(A) in subparagraph (A)—

(i) in the subparagraph heading, by striking "IN GENERAL" and inserting "AGREEMENTS AND CONDITIONS";

(ii) by striking "The Committee" and inserting the following:

"(i) IN GENERAL.—The Committee";

(iii) by striking "threat" and inserting "risk"; and

(iv) by adding at the end the following:

"(ii) ABANDONMENT OF TRANSACTIONS.—If a party to a covered transaction has voluntarily chosen to abandon the transaction, the Committee or lead agency, as the case may be, may negotiate, enter into or impose, and enforce any agreement or condition with any party to the

covered transaction for purposes of effectuating such abandonment and mitigating any risk to the national security of the United States that arises as a result of the covered transaction.

"(iii) AGREEMENTS AND CONDITIONS RELATING TO COMPLETED TRANSACTIONS.—The Committee or lead agency, as the case may be, may negotiate, enter into or impose, and enforce any agreement or condition with any party to a completed covered transaction in order to mitigate any interim risk to the national security of the United States that may arise as a result of the covered transaction until such time that the Committee has completed action pursuant to subsection (b) or the President has taken action pursuant to subsection (d) with respect to the transaction."; and

(B) by striking subparagraph (B) and inserting the following:

"(B) LIMITATIONS.—An agreement may not be entered into or condition imposed under subparagraph (A) with respect to a covered transaction unless the Committee determines that the

agreement or condition resolves the national security concerns posed by the transaction, taking into consideration whether the agreement or condition is reasonably calculated to—

"(i) be effective;

"(ii) allow for compliance with the terms of the agreement or condition in an appropriately verifiable way; and

"(iii) enable effective monitoring of compliance with and enforcement of the terms of the agreement or condition.

"(C) JURISDICTION.—The provisions of section 706(b) shall apply to any mitigation agreement entered into or condition imposed under subparagraph (A).";

(5) by inserting after paragraph (3), as redesignated by paragraph (2), the following:

"(4) RISK-BASED ANALYSIS REQUIRED.—

"(A) IN GENERAL.—Any determination of the Committee to suspend a covered transaction under paragraph (1), to refer a covered transaction to the President under paragraph (2), or to negotiate, enter into or impose, or enforce any agreement or condition under paragraph (3)(A) with respect to a covered transaction, shall be

based on a risk-based analysis, conducted by the Committee, of the effects on the national security of the United States of the covered transaction, which shall include an assessment of the threat, vulnerabilities, and consequences to national security related to the transaction.

"(B) ACTIONS OF MEMBERS OF THE COMMITTEE.—

"(i) IN GENERAL.—Any member of the Committee who concludes that a covered transaction poses an unresolved national security concern shall recommend to the Committee that the Committee suspend the transaction under paragraph (1), refer the transaction to the President under paragraph (2), or negotiate, enter into or impose, or enforce any agreement or condition under paragraph (3)(A) with respect to the transaction. In making that recommendation, the member shall propose or contribute to the risk-based analysis required by subparagraph (A).

"(ii) FAILURE TO REACH CONSENSUS.—If the Committee fails to reach consensus with respect to a recommendation

under clause (i) regarding a covered transaction, the members of the Committee who support an alternative recommendation shall produce—

"(I) a written statement justifying the alternative recommendation; and

"(II) as appropriate, a risk-based analysis that supports the alternative recommendation.

"(C) DEFINITIONS.—For purposes of subparagraph (A), the terms 'threat', 'vulnerabilities', and 'consequences to national security' shall have the meanings given those terms by the Committee by regulation.";

(6) in paragraph (5)(B), as redesignated by paragraph (2), by striking "(as defined in the National Security Act of 1947)"; and

(7) in paragraph (6), as redesignated by paragraph (2)—

(A) in subparagraph (A)—

(i) by striking "paragraph (1)" and inserting "paragraph (3)"; and

(ii) by striking the second sentence and inserting the following: "The lead agency

may, at its discretion, seek and receive the assistance of other departments or agencies in carrying out the purposes of this paragraph.";

(B) in subparagraph (B)—

(i) by striking "DESIGNATED AGENCY" and all that follows through "The lead agency in connection" and inserting "DESIGNATED AGENCY.—The lead agency in connection";

(ii) by striking clause (ii); and

(iii) by redesignating subclauses (I) and (II) as clauses (i) and (ii), respectively, and by moving such clauses, as so redesignated, 2 ems to the left; and

(C) by adding at the end the following:

"(C) COMPLIANCE PLANS.—

"(i) IN GENERAL.—In the case of a covered transaction with respect to which an agreement is entered into under paragraph (3)(A), the Committee or lead agency, as the case may be, shall formulate, adhere to, and keep updated a plan for monitoring compliance with the agreement.

"(ii) ELEMENTS.—Each plan required by clause (i) with respect to an agreement entered into under paragraph (3)(A) shall include an explanation of—

"(I) which member of the Committee will have primary responsibility for monitoring compliance with the agreement;

"(II) how compliance with the agreement will be monitored;

"(III) how frequently compliance reviews will be conducted;

"(IV) whether an independent entity will be utilized under subparagraph (E) to conduct compliance reviews; and

"(V) what actions will be taken if the parties fail to cooperate regarding monitoring compliance with the agreement.

"(D) EFFECT OF LACK OF COMPLIANCE.—If, at any time after a mitigation agreement or condition is entered into or imposed under paragraph (3)(A), the Committee or lead agency, as the case may be, determines that a party or par-

ties to the agreement or condition are not in compliance with the terms of the agreement or condition, the Committee or lead agency may, in addition to the authority of the Committee to impose penalties pursuant to subsection (h)(3) and to unilaterally initiate a review of any covered transaction under subsection (b)(1)(D)(iii)—

"(i) negotiate a plan of action for the party or parties to remediate the lack of compliance, with failure to abide by the plan or otherwise remediate the lack of compliance serving as the basis for the Committee to find a material breach of the agreement or condition;

"(ii) require that the party or parties submit a written notice under clause (i) of subsection (b)(1)(C) or a declaration under clause (v) of that subsection with respect to a covered transaction initiated after the date of the determination of noncompliance and before the date that is 5 years after the date of the determination to the Committee to initiate a review of the transaction under subsection (b); or

"(iii) seek injunctive relief.

"(E) USE OF INDEPENDENT ENTITIES TO MONITOR COMPLIANCE.—If the parties to an agreement entered into under paragraph (3)(A) enter into a contract with an independent entity from outside the United States Government for the purpose of monitoring compliance with the agreement, the Committee shall take such action as is necessary to prevent a conflict of interest from arising by ensuring that the independent entity owes no fiduciary duty to the parties.

"(F) SUCCESSORS AND ASSIGNS.—Any agreement or condition entered into or imposed under paragraph (3)(A) shall be considered binding on all successors and assigns unless and until the agreement or condition terminates on its own terms or is otherwise terminated by the Committee in its sole discretion.

"(G) ADDITIONAL COMPLIANCE MEASURES.—Subject to subparagraphs (A) through (F), the Committee shall develop and agree upon methods for evaluating compliance with any agreement entered into or condition imposed with respect to a covered transaction that will allow the Committee to adequately ensure com-

pliance without unnecessarily diverting Committee resources from assessing any new covered transaction for which a written notice under clause (i) of subsection (b)(1)(C) or declaration under clause (v) of that subsection has been filed, and if necessary, reaching a mitigation agreement with or imposing a condition on a party to such covered transaction or any covered transaction for which a review has been reopened for any reason.".

SEC. 1718. MODIFICATION OF ANNUAL REPORT AND OTHER REPORTING REQUIREMENTS.

(a) MODIFICATION OF ANNUAL REPORT.—Section 721(m) of the Defense Production Act of 1950 (50 U.S.C. 4565(m)) is amended—

(1) in paragraph (2)—

(A) by amending subparagraph (A) to read as follows:

"(A) A list of all notices filed and all reviews or investigations of covered transactions completed during the period, with—

"(i) a description of the outcome of each review or investigation, including whether an agreement was entered into or condition was imposed under subsection

(l)(3)(A) with respect to the transaction being reviewed or investigated, and whether the President took any action under this section with respect to that transaction;

"(ii) basic information on each party to each such transaction;

"(iii) the nature of the business activities or products of the United States business with which the transaction was entered into or intended to be entered into; and

"(iv) information about any withdrawal from the process."; and

(B) by adding at the end the following:

"(G) Statistics on compliance plans conducted and actions taken by the Committee under subsection (l)(6), including subparagraph (D) of that subsection, during that period, a general assessment of the compliance of parties with agreements entered into and conditions imposed under subsection (l)(3)(A) that are in effect during that period, including a description of any actions taken by the Committee to impose penalties or initiate a unilateral review pursuant to subsection (b)(1)(D)(iii), and any recommenda-

tions for improving the enforcement of such agreements and conditions.

"(H) Cumulative and, as appropriate, trend information on the number of declarations filed under subsection (b)(1)(C)(v), the actions taken by the Committee in response to those declarations, the business sectors involved in those declarations, and the countries involved in those declarations.

"(I) A description of—

"(i) the methods used by the Committee to monitor non-notified and non-declared transactions under subsection (b)(1)(H);

"(ii) potential methods to improve such monitoring and the resources required to do so; and

"(iii) the number of transactions identified through the mechanism established under that subsection during the reporting period and the number of such transactions flagged for further review.";

(2) in paragraph (3)—

(A) by striking "CRITICAL TECHNOLOGIES" and all that follows through "In order to assist"

and inserting "CRITICAL TECHNOLOGIES.—In order to assist";

(B) by striking subparagraph (B); and

(C) by redesignating clauses (i) and (ii) as subparagraphs (A) and (B), respectively, and by moving such subparagraphs, as so redesignated, 2 ems to the left; and

(3) by adding at the end the following:

"(4) FORM OF REPORT.—

"(A) IN GENERAL.—All appropriate portions of the annual report under paragraph (1) may be classified. An unclassified version of the report, as appropriate, consistent with safeguarding national security and privacy, shall be made available to the public.

"(B) INCLUSIONS IN UNCLASSIFIED VERSION.—The unclassified version of the report required under paragraph (1) shall include, with respect to covered transactions for the reporting period—

"(i) the number of notices submitted under subsection (b)(1)(C)(i);

"(ii) the number of declarations submitted under subsection (b)(1)(C)(v) and the number of such declarations that were

required under subclause (IV) of that subsection;

"(iii) the number of declarations submitted under subsection (b)(1)(C)(v) for which the Committee required resubmission as notices under subsection (b)(1)(C)(i);

"(iv) the average number of days that elapsed between submission of a declaration under subsection (b)(1)(C)(v) and the acceptance of the declaration by the Committee;

"(v) information on the time it took the Committee to provide comments on, or to accept, notices submitted under subsection (b)(1)(C)(i), including—

"(I) the average number of business days that elapsed between the date of submission of a draft notice and the date on which the Committee provided written comments on the draft notice;

"(II) the average number of business days that elapsed between the date of submission of a final notice and the date on which the Committee accepted

or provided written comments on the final notice; and

"(III) if the average number of business days for a response by the Committee reported under subclause (I) or (II) exceeded 10 business days—

"(aa) an explanation of the causes of such delays, including whether such delays are caused by resource shortages, unusual fluctuations in the volume of notices, transaction characteristics, or other factors; and

"(bb) an explanation of the steps that the Committee anticipates taking to mitigate the causes of such delays and otherwise to improve the ability of the Committee to provide comments on, or to accept, notices within 10 business days;

"(vi) the number of reviews or investigations conducted under subsection (b);

"(vii) the number of investigations that were subject to an extension under subsection (b)(2)(C)(ii);

"(viii) information on the duration of those reviews and investigations, including the average number of days required to complete those reviews and investigations;

"(ix) the number of notices submitted under subsection (b)(1)(C)(i) and declarations submitted under subsection (b)(1)(C)(v) that were rejected by the Committee;

"(x) the number of such notices and declarations that were withdrawn by a party to the covered transaction;

"(xi) the number of such withdrawals that were followed by the submission of a subsequent such notice or declaration relating to a substantially similar covered transaction; and

"(xii) such other specific, cumulative, or trend information that the Committee determines is advisable to provide for an assessment of the time required for reviews

and investigations of covered transactions under this section.".

(b) REPORT ON CHINESE INVESTMENT.—

(1) IN GENERAL.—Not later than 2 years after the date of the enactment of this Act, and every 2 years thereafter through 2026, the Secretary of Commerce shall submit to Congress and the Committee on Foreign Investment in the United States a report on foreign direct investment transactions made by entities of the People's Republic of China in the United States.

(2) ELEMENTS.—Each report required by paragraph (1) shall include the following:

(A) Total foreign direct investment from the People's Republic of China in the United States, including total foreign direct investment disaggregated by ultimate beneficial owner.

(B) A breakdown of investments from the People's Republic of China in the United States by value using the following categories:

(i) Less than $50,000,000.

(ii) Greater than or equal to $50,000,000 and less than $100,000,000.

(iii) Greater than or equal to $100,000,000 and less than $1,000,000,000.

(iv) Greater than or equal to $1,000,000,000 and less than $2,000,000,000.

(v) Greater than or equal to $2,000,000,000 and less than $5,000,000,000.

(vi) Greater than or equal to $5,000,000,000.

(C) A breakdown of investments from the People's Republic of China in the United States by 2-digit North American Industry Classification System code.

(D) A breakdown of investments from the People's Republic of China in the United States by investment type, using the following categories:

(i) Businesses established.

(ii) Businesses acquired.

(E) A breakdown of investments from the People's Republic of China in the United States by government and non-government investments, including volume, sector, and type of investment within each category.

(F) A list of companies incorporated in the United States purchased through government investment by the People's Republic of China.

(G) The number of United States affiliates of entities under the jurisdiction of the People's Republic of China, the total employees at those affiliates, and the valuation for any publicly traded United States affiliate of such an entity.

(H) An analysis of patterns in the investments described in subparagraphs (A) through (F), including in volume, type, and sector, and the extent to which those patterns of investments align with the objectives outlined by the Government of the People's Republic of China in its Made in China 2025 plan, including a comparative analysis of investments from the People's Republic of China in the United States and all foreign direct investment in the United States.

(I) An identification of any limitations on the ability of the Secretary of Commerce to collect comprehensive information that is reasonably and lawfully available about foreign investment in the United States from the People's Republic of China on a timeline necessary to com-

plete reports every 2 years as required by paragraph (1), including—

(i) an identification of any discrepancies between government and private sector estimates of investments from the People's Republic of China in the United States;

(ii) a description of the different methodologies or data collection methods, including by private sector entities, used to measure foreign investment that may result in different estimates; and

(iii) recommendations for enhancing the ability of the Secretary of Commerce to improve data collection of information about foreign investment in the United States from the People's Republic of China.

(3) EXTENSION OF DEADLINE.—If, as a result of a limitation identified under paragraph (2)(I), the Secretary of Commerce determines that the Secretary will be unable to submit a report at the time required by paragraph (1), the Secretary may request additional time to complete the report.

(c) REPORT ON CERTAIN INVESTMENTS BY STATE-OWNED OR STATE-CONTROLLED ENTITIES.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, an appropriate member or members of the Committee on Foreign Investment in the United States shall, in coordination with the chairperson of the Committee, submit to Congress a report assessing—

(A) national security threats related to investments in the United States by state-owned or state-controlled entities in the manufacture or assembly of rolling stock or other assets for use in freight rail, public transportation, or intercity passenger rail systems, including the construction of new facilities;

(B) how the number and types of such investments could affect any such threats; and

(C) the authority and ability of the Committee to respond to such threats.

(2) CONSULTATION.—The member or members of the Committee on Foreign Investment in the United States preparing the report required by paragraph (1) shall consult with the Secretary of Transportation and the head of any agency that is not represented on the Committee that has significant technical expertise related to the assessments required by paragraph (1).

SEC. 1719. CERTIFICATION OF NOTICES AND INFORMATION.

Section 721(n) of the Defense Production Act of 1950 (50 U.S.C. 4565(n)) is amended—

(1) by redesignating paragraphs (1) and (2) as subparagraphs (A) and (B), respectively, and by moving such subparagraphs, as so redesignated, 2 ems to the right;

(2) by striking "Each notice" and inserting the following:

"(1) IN GENERAL.—Each notice";

(3) by striking "paragraph (3)(B)" and inserting "paragraph (6)(B)";

(4) by striking "paragraph (1)(A)" and inserting "paragraph (3)(A)";

(5) by adding at the end the following:

"(2) EFFECT OF FAILURE TO SUBMIT.—The Committee may not complete a review under this section of a covered transaction and may recommend to the President that the President suspend or prohibit the transaction or require divestment under subsection (d) if the Committee determines that a party to the transaction has—

"(A) failed to submit a statement required by paragraph (1); or

"(B) included false or misleading information in a notice or information described in

paragraph (1) or omitted material information from such notice or information.

"(3) APPLICABILITY OF LAW ON FRAUD AND FALSE STATEMENTS.—The Committee shall prescribe regulations expressly providing for the application of section 1001 of title 18, United States Code, to all information provided to the Committee under this section by any party to a covered transaction.".

SEC. 1720. IMPLEMENTATION PLANS.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the chairperson of the Committee on Foreign Investment in the United States and the Secretary of Commerce shall, in consultation with the appropriate members of the Committee—

(1) develop plans to implement this title; and

(2) submit to the appropriate congressional committees a report on the plans developed under paragraph (1), which shall include a description of—

(A) the timeline and process to implement the provisions of, and amendments made by, this title;

(B) any additional staff necessary to implement the plans; and

(C) the resources required to effectively implement the plans.

(b) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means—

(1) the Committee on Banking, Housing, and Urban Affairs and the Committee on Appropriations of the Senate; and

(2) the Committee on Financial Services and the Committee on Appropriations of the House of Representatives.

SEC. 1721. ASSESSMENT OF NEED FOR ADDITIONAL RESOURCES FOR COMMITTEE.

The President shall—

(1) determine whether and to what extent the expansion of the responsibilities of the Committee on Foreign Investment in the United States pursuant to the amendments made by this title necessitates additional resources for the Committee and the departments and agencies represented on the Committee to perform their functions under section 721 of the Defense Production Act of 1950, as amended by this title; and

(2) if the President determines that additional resources are necessary, include in the budget of the President for fiscal year 2019 and each fiscal year thereafter submitted to Congress under section

1105(a) of title 31, United States Code, a request for such additional resources.

SEC. 1722. FUNDING.

Section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565) is amended by adding at the end the following:

"(o) FUNDING.—

"(1) ESTABLISHMENT OF FUND.—There is established in the Treasury of the United States a fund, to be known as the 'Committee on Foreign Investment in the United States Fund' (in this subsection referred to as the 'Fund'), to be administered by the chairperson.

"(2) APPROPRIATION OF FUNDS FOR THE COMMITTEE.—There are authorized to be appropriated to the Fund such sums as may be necessary to perform the functions of the Committee.

"(3) FILING FEES.—

"(A) IN GENERAL.—The Committee may assess and collect a fee in an amount determined by the Committee in regulations, to the extent provided in advance in appropriations Acts, without regard to section 9701 of title 31, United States Code, and subject to subparagraph (B), with respect to each covered transaction for which a written notice is submitted to the Com-

mittee under subsection (b)(1)(C)(i). The total amount of fees collected under this paragraph may not exceed the costs of administering this section.

"(B) DETERMINATION OF AMOUNT OF FEE.—

"(i) IN GENERAL.—In determining the amount of the fee to be assessed under subparagraph (A) with respect to a covered transaction, the Committee shall base the amount of the fee on the value of the transaction, taking into consideration—

"(I) the effect of the fee on small business concerns (as defined in section 3 of the Small Business Act (15 U.S.C. 632));

"(II) the expenses of the Committee associated with conducting activities under this section;

"(III) the effect of the fee on foreign investment; and

"(IV) such other matters as the Committee considers appropriate.

"(ii) PRIORITIZATION FEE.—The Committee may establish a fee or fee scale to

prioritize the timing of the response of the Committee to a draft or final written notice during the period before the Committee accepts the final written notice under subsection (b)(1)(C)(i), in the event that the Committee is unable to respond during the time required by subclause (II) of that subsection because of an unusually large influx of notices, or for other reasons.

"(iii) UPDATES.—The Committee shall periodically reconsider and adjust the amount of the fee to be assessed under subparagraph (A) with respect to a covered transaction to ensure that the amount of the fee does not exceed the costs of administering this section and otherwise remains appropriate.

"(C) DEPOSIT AND AVAILABILITY OF FEES.—Notwithstanding section 3302 of title 31, United States Code, fees collected under subparagraph (A) shall—

"(i) be deposited into the Fund solely for use in carrying out activities under this section;

"(ii) to the extent and in the amounts provided in advance in appropriations Acts, be available to the chairperson;

"(iii) remain available until expended; and

"(iv) be in addition to any appropriations made available to the members of the Committee.

"(4) TRANSFER OF FUNDS.—To the extent provided in advance in appropriations Acts, the chairperson may transfer any amounts in the Fund to any other department or agency represented on the Committee for the purpose of addressing emerging needs in carrying out activities under this section. Amounts so transferred shall be in addition to any other amounts available to that department or agency for that purpose.".

SEC. 1723. CENTRALIZATION OF CERTAIN COMMITTEE FUNCTIONS.

Section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565), as amended by section 1722, is further amended by adding at the end the following:

"(p) CENTRALIZATION OF CERTAIN COMMITTEE FUNCTIONS.—

"(1) IN GENERAL.—The chairperson, in consultation with the Committee, may centralize certain functions of the Committee within the Department of the Treasury for the purpose of enhancing interagency coordination and collaboration in carrying out the functions of the Committee under this section.

"(2) FUNCTIONS.—Functions that may be centralized under paragraph (1) include monitoring non-notified and non-declared transactions pursuant to subsection (b)(1)(H), and other functions as determined by the chairperson and the Committee.

"(3) RULE OF CONSTRUCTION.—Nothing in this section shall be construed as limiting the authority of any department or agency represented on the Committee to represent its own interests before the Committee.".

SEC. 1724. CONFORMING AMENDMENTS.

Section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565), as amended by this title, is further amended—

(1) in subsection (b)—

(A) in paragraph (1)(D)(iii)(I), by striking "subsection (l)(1)(A)" and inserting "subsection (l)(3)(A)"; and

(B) in paragraph (2)(B)(i)(I), by striking "that threat" and inserting "the risk";

(2) in subsection (d)(4)(A), by striking "the foreign interest exercising control" and inserting "a foreign person that would acquire an interest in a United States business or its assets as a result of the covered transaction"; and

(3) in subsection (j), by striking "merger, acquisition, or takeover" and inserting "transaction".

SEC. 1725. REQUIREMENTS TO IDENTIFY AND CONTROL THE EXPORT OF EMERGING AND FOUNDATIONAL TECHNOLOGIES.

(a) IDENTIFICATION OF TECHNOLOGIES.—

(1) IN GENERAL.—The President shall establish and, in coordination with the Secretary of Commerce, the Secretary of Defense, the Secretary of Energy, the Secretary of State, and the heads of other Federal agencies as appropriate, lead, a regular, ongoing interagency process to identify emerging and foundational technologies that—

(A) are essential to the national security of the United States; and

(B) are not critical technologies described in clauses (i) through (v) of section 721(a)(8)(B) of

the Defense Production Act of 1950, as amended by section 1703.

(2) PROCESS.—The interagency process established under subsection (a) shall—

(A) be informed by multiple sources of information, including—

(i) publicly available information;

(ii) classified information, including relevant information provided by the Director of National Intelligence;

(iii) information relating to reviews and investigations of transactions by the Committee on Foreign Investment in the United States under section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565); and

(iv) information provided by the advisory committees established by the Secretary of Commerce to advise the Under Secretary of Commerce for Industry and Security on controls under the Export Administration Regulations, including the Emerging Technology and Research Advisory Committee;

(B) take into account—

(i) the development of emerging and foundational technologies in foreign countries;

(ii) the effect export controls imposed pursuant to this section may have on the development of such technologies in the United States; and

(iii) the effectiveness of export controls imposed pursuant to this section on limiting the proliferation of emerging and foundational technologies to foreign countries; and

(C) include a notice and comment period.

(b) COMMERCE CONTROLS.—

(1) IN GENERAL.—The Secretary of Commerce shall establish appropriate controls under the Export Administration Regulations on the export, reexport, or in-country transfer of technology identified pursuant to subsection (a), including by prescribing additional regulations.

(2) LEVELS OF CONTROL.—

(A) IN GENERAL.—The Secretary of Commerce may, in coordination with the Secretary of Defense, the Secretary of State, and the heads of other Federal agencies, as appropriate, specify

the level of control to apply under paragraph (1) with respect to the export of technology described in that paragraph, including a requirement for a license or other authorization for the export, reexport, or in-country transfer of that technology.

(B) CONSIDERATIONS.—In determining under subparagraph (A) the level of control appropriate for technology described in paragraph (1), the Secretary of Commerce shall take into account—

(i) lists of countries to which exports from the United States are restricted; and

(ii) the potential end uses and end users of the technology.

(C) MINIMUM REQUIREMENTS.—At a minimum, except as provided by paragraph (4), the Secretary of Commerce shall require a license for the export, reexport, or in-country transfer of technology described in paragraph (1) to or in a country subject to an embargo, including an arms embargo, imposed by the United States.

(3) REVIEW OF LICENSE APPLICATIONS.—

(A) PROCEDURES.—The procedures set forth in Executive Order 12981 (50 U.S.C. 4603 note;

relating to administration of export controls) or a successor order shall apply to the review of an application for a license or other authorization for the export, reexport, or in-country transfer of technology described in paragraph (1).

(B) CONSIDERATION OF INFORMATION RELATING TO NATIONAL SECURITY.—In reviewing an application for a license or other authorization for the export, reexport, or in-country transfer of technology described in paragraph (1), the Secretary of Commerce shall take into account information provided by the Director of National Intelligence regarding any threat to the national security of the United States posed by the proposed export, reexport, or transfer. The Director of National Intelligence shall provide such information on the request of the Secretary of Commerce.

(C) DISCLOSURES RELATING TO COLLABORATIVE ARRANGEMENTS.—In the case of an application for a license or other authorization for the export, reexport, or in-country transfer of technology described in paragraph (1) submitted by or on behalf of a joint venture, joint development agreement, or similar collaborative ar-

rangement, the Secretary of Commerce may require the applicant to identify, in addition to any foreign person participating in the arrangement, any foreign person with significant ownership interest in a foreign person participating in the arrangement.

(4) EXCEPTIONS.—

(A) MANDATORY EXCEPTIONS.—The Secretary of Commerce may not control under this subsection the export of any technology—

(i) described in section 203(b) of the International Emergency Economic Powers Act (50 U.S.C. 1702(b)); or

(ii) if the regulation of the export of that technology is prohibited under any other provision of law.

(B) REGULATORY EXCEPTIONS.—In prescribing regulations under paragraph (1), the Secretary of Commerce may include regulatory exceptions to the requirements of that paragraph.

(C) ADDITIONAL EXCEPTIONS.—The Secretary of Commerce shall not be required to impose under paragraph (1) a requirement for a license or other authorization with respect to the export, reexport, or in-country transfer of tech-

nology described in paragraph (1) pursuant to any of the following transactions:

(i) The sale or license of a finished item and the provision of associated technology if the United States person that is a party to the transaction generally makes the finished item and associated technology available to its customers, distributors, or resellers.

(ii) The sale or license to a customer of a product and the provision of integration services or similar services if the United States person that is a party to the transaction generally makes such services available to its customers.

(iii) The transfer of equipment and the provision of associated technology to operate the equipment if the transfer could not result in the foreign person using the equipment to produce critical technologies (as defined in section 721(a) of the Defense Production Act of 1950, as amended by section 1703).

(iv) The procurement by the United States person that is a party to the trans-

action of goods or services, including manufacturing services, from a foreign person that is a party to the transaction, if the foreign person has no rights to exploit any technology contributed by the United States person other than to supply the procured goods or services.

(v) Any contribution and associated support by a United States person that is a party to the transaction to an industry organization related to a standard or specification, whether in development or declared, including any license of or commitment to license intellectual property in compliance with the rules of any standards organization (as defined by the Secretary by regulation).

(c) MULTILATERAL CONTROLS.—

(1) IN GENERAL.—The Secretary of State, in consultation with the Secretary of Commerce and the Secretary of Defense, and the heads of other Federal agencies, as appropriate, may propose that any technology identified pursuant to subsection (a) be added to the list of technologies controlled by the relevant multilateral export control regimes.

(2) ITEMS ON COMMERCE CONTROL LIST OR UNITED STATES MUNITIONS LIST.—

(A) IN GENERAL.—If the Secretary of State proposes to a multilateral export control regime under paragraph (1) to add a technology identified pursuant to subsection (a) to the control list of that regime and that regime does not add that technology to the control list during the 3-year period beginning on the date of the proposal, the applicable agency head may determine whether national security concerns warrant the continuation of unilateral export controls with respect to that technology.

(B) APPLICABLE AGENCY HEAD DEFINED.—In this paragraph, the term "applicable agency head" means—

(i) in the case of technology listed on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations, the Secretary of Commerce, in consultation with the Secretary of Defense and the Secretary of State; and

(ii) in the case of technology listed on the United States Munitions List set forth

in part 121 of title 22, Code of Federal Regulations, the Secretary of State, in consultation with the Secretary of Defense and the heads of other Federal agencies, as appropriate.

(d) REPORT TO COMMITTEE ON FOREIGN INVESTMENT IN THE UNITED STATES.—Not less frequently than every 180 days, the Secretary of Commerce, in coordination with the Secretary of Defense, the Secretary of State, and the heads of other Federal agencies, as appropriate, shall submit to the Committee on Foreign Investment in the United States a report on the results of actions taken pursuant to this section.

(e) REPORT TO CONGRESS.—Not less frequently than every 180 days, the Secretary of Commerce, in coordination with the Secretary of Defense, the Secretary of State, and the heads of other Federal agencies, as appropriate, shall submit a report on the results of actions taken pursuant to this section, including actions taken pursuant to subsections (a), (b), and (c), to—

(1) the Committee on Banking, Housing, and Urban Affairs, the Committee on Foreign Relations, the Committee on Armed Services, and the Select Committee on Intelligence of the Senate; and

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

(f) MODIFICATIONS TO EMERGING TECHNOLOGY AND RESEARCH ADVISORY COMMITTEE.—

(1) IN GENERAL.—The Secretary of Commerce shall revise the objectives of the Emerging Technology and Research Advisory Committee, established by the Secretary under the Export Administration Regulations, to include advising the interagency process established under subsection (a) with respect to emerging and foundational technologies.

(2) DUTIES.—The Secretary—

(A) shall revise the duties of the Emerging Technology and Research Advisory Committee to include identifying emerging and foundational technologies that may be developed over a period of 5 years or 10 years; and

(B) may revise the duties of the Advisory Committee to include identifying trends in—

(i) the ownership by foreign persons and foreign governments of such technologies;

(ii) the types of transactions related to such technologies engaged in by foreign persons and foreign governments;

(iii) the blending of private and government investment in such technologies; and

(iv) efforts to obfuscate ownership of such technologies or to otherwise circumvent the controls established under this section.

(3) MEETINGS.—

(A) FREQUENCY.—The Emerging Technology and Research Advisory Committee should meet not less frequently than every 120 days.

(B) ATTENDANCE.—A representative from each agency participating in the interagency process established under subsection (a) should be in attendance at each meeting of the Emerging Technology and Research Advisory Committee.

(4) CLASSIFIED INFORMATION.—Not fewer than half of the members of the Emerging Technology and Research Advisory Committee should hold sufficient security clearances such that classified information, including classified information described in clauses (ii) and (iii) of subsection (a)(2)(A), from the interagency process established under subsection (a) can be

shared with those members to inform the advice provided by the Advisory Committee.

(5) APPLICABILITY OF FEDERAL ADVISORY COMMITTEE ACT.—Subsections (a)(1), (a)(3), and (b) of section 10 and sections 11, 13, and 14 of the Federal Advisory Committee Act (5 U.S.C. App.) shall not apply to the Emerging Technology and Research Advisory Committee.

(6) REPORT.—The Emerging Technology and Research Advisory Committee shall include the findings of the Advisory Committee under this subsection in the annual report to Congress required by section 14 of the Export Administration Act of 1979 (50 U.S.C. 4616) (as continued in effect pursuant to the International Emergency Economic Powers Act (50 U.S.C. 1701 et seq.)).

(g) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to alter or limit—

(1) the authority of the President or the Secretary of State to designate items as defense articles and defense services for the purposes of the Arms Export Control Act (22 U.S.C. 2751 et seq.) or to otherwise regulate such items; or

(2) the authority of the President under the Atomic Energy Act of 1954 (42 U.S.C. 2011 et seq.),

the Nuclear Non-Proliferation Act of 1978 (22 U.S.C. 3201 et seq.), the Energy Reorganization Act of 1974 (42 U.S.C. 5801 et seq.), or the Export Administration Act of 1979 (50 U.S.C. 4601 et seq.) (as continued in effect pursuant to the International Emergency Economic Powers Act (50 U.S.C. 1701 et seq.)) or any other provision of law relating to the control of exports.

(h) DEFINITIONS.—In this section:

(1) EXPORT ADMINISTRATION REGULATIONS.—The term "Export Administration Regulations" means subchapter C of chapter VII of title 15, Code of Federal Regulations.

(2) IN-COUNTRY TRANSFER.—The term "in-country transfer" has the meaning given to the term in the Export Administration Regulations.

(3) REEXPORT.—The term "reexport" has the meaning given to the term in the Export Administration Regulations.

(4) UNITED STATES PERSON.—The term "United States person" means any person subject to the jurisdiction of the United States.

SEC. 1726. EXPORT CONTROL ENFORCEMENT AUTHORITY.

(a) AUTHORITIES.—In order to enforce the provisions of the Export Administration Regulations under subchapter

C of chapter VII of title 15, Code of Federal Regulations, issued under the authority of the International Emergency Economic Powers Act (50 U.S.C. 1701 et seq.) (pursuant to which the President has continued in effect authorities granted under the Export Administration Act of 1979 (50 U.S.C. 4601 et seq.)), the President shall delegate to the Secretary of Commerce, in addition to existing authorities, the authority to authorize any law enforcement officer of the Department of Commerce to conduct investigations (including undercover investigations) in the United States and in other countries when permitted under such countries' laws using all applicable laws of the United States.

(b) BEST PRACTICE GUIDELINES.—The Secretary of Commerce, in consultation with the heads of appropriate Federal agencies, may publish and update best practices guidelines to assist persons in developing and implementing, on a voluntary basis, effective export control programs in compliance with the Export Administration Regulations.

(c) CONFIDENTIALITY OF INFORMATION.—

(1) EXEMPTIONS FROM DISCLOSURE.—

(A) IN GENERAL.—Information obtained under the Export Administration Act of 1979 (50 U.S.C. 2601 et seq.) (as continued in effect pursuant to the International Emergency Eco-

nomic Powers Act (50 U.S.C. 1701 et seq.)) may be withheld from disclosure only to the extent permitted by statute, except that information described in subparagraph (B) shall be withheld from public disclosure and shall not be subject to disclosure under section 552(b)(3) of title 5, United States Code, unless the release of such information is determined by the Secretary to be in the national interest.

(B) INFORMATION DESCRIBED.—Information described in this subparagraph is information submitted or obtained in connection with an application for a license or other authorization to export, reexport, or transfer items or engage in other activities, a recordkeeping or reporting requirement, enforcement activity, or other operations under the Export Administration Act of 1979, including—

(i) the license application, license, or other authorization itself;

(ii) classification or advisory opinion requests, and any response to such a request;

(iii) license determinations and information pertaining to such determinations;

(iv) information or evidence obtained in the course of any investigation; and

(v) information obtained or furnished in connection with any international agreement, treaty, or other obligation.

(2) INFORMATION TO CONGRESS AND GAO.—

(A) IN GENERAL.—Nothing in this section shall be construed as authorizing the withholding of information from Congress or the Comptroller General of the United States.

(B) AVAILABILITY TO CONGRESS.—

(i) IN GENERAL.—Information obtained at any time under any provision of the Export Administration Act of 1979 or the Export Administration Regulations, including reports or license applications required under any such provision, shall be made available to a committee or subcommittee of Congress of appropriate jurisdiction, upon the request of the chairman or ranking member of the committee or subcommittee.

(ii) PROHIBITION ON FURTHER DISCLOSURE.—No committee or subcommittee referred to in clause (i), or member thereof,

may disclose any information made available under clause (i) that is submitted on a confidential basis unless the full committee determines that the withholding of that information is contrary to the national interest.

(C) AVAILABILITY TO GAO.—

(i) IN GENERAL.—Information described in subparagraph (B)(i) shall be subject to the limitations contained in section 716 of title 31, United States Code.

(ii) PROHIBITION ON FURTHER DISCLOSURE.—An officer or employee of the Government Accountability Office may not disclose, except to Congress in accordance with this paragraph, any information described in subparagraph (B)(i) that is submitted on a confidential basis or from which any individual can be identified.

(3) INFORMATION SHARING.—

(A) EXCHANGE OF INFORMATION.—The heads of departments, agencies, and offices with enforcement authorities under the Export Administration Act of 1979, consistent with protection of law enforcement and its sources and

methods, shall exchange any licensing and enforcement information with one another that is necessary to facilitate enforcement efforts under this section, and shall consult on a regular basis with one another and with the heads of other departments, agencies, and offices that obtain information subject to this paragraph, in order to facilitate the exchange of such information.

(B) PROVISION OF INFORMATION BY FEDERAL OFFICIALS.—Any Federal official who obtains information that is relevant to the enforcement of the Export Administration Act of 1979, including information pertaining to any investigation, shall furnish such information to each appropriate department, agency, or office with enforcement responsibilities under this section to the extent consistent with the protection of intelligence, counterintelligence, and law enforcement sources, methods, and activities.

(C) EXCEPTIONS.—The provisions of this paragraph shall not apply to information subject to the restrictions set forth in section 9 of title 13, United States Code. Return information, as defined in section 6103(b) of the Internal Rev-

enue Code of 1986, may be disclosed only as authorized by that section.

(D) INFORMATION SHARING WITH FEDERAL AGENCIES.—Licensing or enforcement information obtained under the Export Administration Act of 1979 may be shared with heads of departments, agencies, and offices that do not have enforcement authorities under that Act on a case-by-case basis, at the discretion of the Secretary of Commerce. Such information may be shared only when the Secretary makes a determination that the sharing of the information is in the national interest.

SEC. 1727. PROHIBITION ON MODIFICATION OF CIVIL PENALTIES UNDER EXPORT CONTROL AND SANCTIONS LAWS.

(a) IN GENERAL.—Notwithstanding any other provision of law, the Executive Office of the President may not modify any civil penalty, including a denial order, implemented by the Government of the United States with respect to a Chinese telecommunications company pursuant to a determination that the company has violated an export control or sanctions law of the United States until the date that is 30 days after the President certifies to the appropriate congressional committees that the company—

(1) has not, for a period of one year, conducted activities in violation of the laws of the United States; and

(2) is fully cooperating with investigations into the activities of the company conducted by the Government of the United States, if any.

(b) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means—

(1) the Committee on Banking, Housing, and Urban Affairs and the Committee on Foreign Relations of the Senate; and

(2) the Committee on Financial Services and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1728. UNDER SECRETARY OF COMMERCE FOR INDUSTRY AND SECURITY.

(a) IN GENERAL.—On and after the date of the enactment of this Act, any reference in the Export Administration Act of 1979 (50 U.S.C. 4601 et seq.) or any other law or regulation to the Under Secretary of Commerce for Export Administration shall be deemed to be a reference to the Under Secretary of Commerce for Industry and Security.

(b) TITLE 5.—Section 5314 of title 5, United States Code, is amended by striking "Under Secretary of Commerce for Export Administration" and inserting "Under Secretary of Commerce for Industry and Security".

(c) CONTINUATION IN OFFICE.—The individual serving as Under Secretary of Commerce for Export Administration on the day before the date of the enactment of this Act may serve as the Under Secretary of Commerce for Industry and Security on and after that date without the need for renomination or reappointment.

SEC. 1729. LIMITATION ON CANCELLATION OF DESIGNATION OF SECRETARY OF THE AIR FORCE AS DEPARTMENT OF DEFENSE EXECUTIVE AGENT FOR A CERTAIN DEFENSE PRODUCTION ACT PROGRAM.

(a) LIMITATION ON CANCELLATION OF DESIGNATION.—The Secretary of Defense may not implement the decision, issued on July 1, 2017, to cancel the designation, under Department of Defense Directive 4400.01E, entitled "Defense Production Act Programs" and dated October 12, 2001, of the Secretary of the Air Force as the Department of Defense Executive Agent for the program carried out under title III of the Defense Production Act of 1950 (50 U.S.C. 4531 et seq.) until the date specified in subsection (c).

(b) DESIGNATION.—The Secretary of the Air Force shall continue to serve as the sole and exclusive Department of Defense Executive Agent for the program described in subsection (a) until the date specified in subsection (c).

(c) DATE SPECIFIED.—The date specified in this subsection is the date of the enactment of a joint resolution or an Act approving the implementation of the decision described in subsection (a).

SEC. 1730. REVIEW OF AND REPORT ON CERTAIN DEFENSE TECHNOLOGIES CRITICAL TO THE UNITED STATES MAINTAINING SUPERIOR MILITARY CAPABILITIES.

(a) REVIEW REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense and the Director of National Intelligence, in consultation with the Air Force Research Laboratory, the Defense Advanced Projects Research Agency, and such other appropriate research entities as the Secretary and the Director may identify, shall—

(1) jointly carry out and complete a review of key national security technology capability advantages, competitions, and gaps between the United States and "near peer" nations;

(2) develop a definition of "near peer nation" for purposes of paragraph (1); and

(3) submit to the appropriate congressional committees a report on the findings of the Secretary and the Director with respect to the review conducted under paragraph (1).

(b) ELEMENTS.—The review conducted under paragraph (1) of subsection (a), and the report required by paragraph (3) of that subsection, shall identify, at a minimum, the following:

(1) Key United States industries and research and development activities expected to be critical to maintaining a national security technology capability if, during the 5-year period beginning on the date of the enactment of this Act, the Secretary and the Director anticipate that—

(A) a United States industrial base shortfall will exist; and

(B) United States industry will be unable to or otherwise will not provide the needed capacity in a timely manner without financial assistance from the United States Government through existing statutory authorities specifically intended for that purpose, including assistance provided under title III of the Defense Production Act of 1950 (50 U.S.C. 4531 et seq.) and other appropriate authorities.

(2) Key areas in which the United States currently enjoys a technological advantage.

(3) Key areas in which the United States no longer enjoys a technological advantage.

(4) Sectors of the defense industrial base in which the United States lacks adequate productive capacity to meet critical national defense needs.

(5) Priority areas for which appropriate statutory industrial base incentives should be applied as the most cost-effective, expedient, and practical alternative for meeting the technology or defense industrial base needs identified under this subsection, including—

(A) sustainment of critical production and supply chain capabilities;

(B) commercialization of research and development investments;

(C) scaling of emerging technologies; and

(D) other areas as determined by the Secretary and the Director.

(6) Priority funding recommendations with respect to key areas that the Secretary, in consultation with the Director, determines are—

(A) critical to the United States maintaining superior military capabilities, especially

with respect to potential peer and near peer military or economic competitors, during the 5-year period beginning on the date of the enactment of this Act; and

(B) suitable for long-term investment from funds made available under title III of the Defense Production Act of 1950 and other appropriate statutory authorities.

(c) FORM OF REPORT.—The report required by subsection (a)(3) shall be submitted in unclassified form, but may include a classified annex.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means—

(1) the Committee on Banking, Housing and Urban Affairs, the Committee on Armed Services, and the Select Committee on Intelligence of the Senate; and

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

SEC. 1731. BRIEFING ON INFORMATION FROM TRANSACTIONS REVIEWED BY COMMITTEE ON FOREIGN INVESTMENT IN THE UNITED STATES RELATING TO FOREIGN EFFORTS TO INFLUENCE DEMOCRATIC INSTITUTIONS AND PROCESSES.

Not later than 60 days after the date of the enactment of this Act, the Secretary of the Treasury (or a designee of the Secretary) shall provide a briefing to the Committee on Banking, Housing, and Urban Affairs of the Senate and the Committee on Financial Services of the House of Representatives on—

(1) transactions reviewed by the Committee on Foreign Investment in the United States during the 5-year period preceding the briefing that the Committee determined would have allowed foreign persons to inappropriately influence democratic institutions and processes within the United States and in other countries; and

(2) the disposition of such reviews, including any steps taken by the Committee to address the risk of allowing foreign persons to influence such institutions and processes.

SEC. 1732. EFFECTIVE DATE.

(a) IMMEDIATE APPLICABILITY OF CERTAIN PROVISIONS.—The following shall take effect on the date of the

enactment of this Act and apply with respect to any covered transaction the review or investigation of which is initiated under section 721 of the Defense Production Act of 1950 on or after such date of enactment:

(1) Sections 1705, 1707, 1708, 1709, 1710, 1713, 1714, 1715, 1716, 1717, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, and 1729 and the amendments made by those sections.

(2) Section 1712 and the amendments made by that section (except for clause (iii) of section 721(b)(4)(A) of the Defense Production Act of 1950, as added by section 1712).

(3) Paragraphs (1), (2), (3), (4), (5)(A)(i), (5)(B)(i), (5)(B)(iv)(I), (5)(B)(v), (5)(C)(v), (6), (7), (8), (9), (10), (11), (12), (13), (14), (15), (16), and (17) of subsection (a) of section 721 of the Defense Production Act of 1950, as amended by section 1703.

(4) Section 721(m)(4) of the Defense Production Act of 1950, as amended by section 1718 (except for clauses (ii), (iii), (iv), and (v) of subparagraph (B) of that section).

(b) DELAYED APPLICABILITY OF CERTAIN PROVISIONS.—

(1) IN GENERAL.—Any provision of or amendment made by this title not specified in subsection (a) shall—

(A) take effect on the date that is 30 days after publication in the Federal Register of a determination by the chairperson of the Committee on Foreign Investment in the United States that the regulations, organizational structure, personnel, and other resources necessary to administer the new provisions are in place; and

(B) apply with respect to any covered transaction the review or investigation of which is initiated under section 721 of the Defense Production Act of 1950 on or after the date described in subparagraph (A).

(2) NONDELEGATION OF DETERMINATION.—The determination of the chairperson of the Committee on Foreign Investment in the United States under paragraph (1)(A) may not be delegated.

(c) AUTHORIZATION FOR PILOT PROGRAMS.—

(1) IN GENERAL.—Beginning on the date of the enactment of this Act and ending on the date described in subsection (b)(1)(A), the Committee on Foreign Investment in the United States may, at its discretion, conduct one or more pilot programs to imple-

ment any authority provided pursuant to any provision of or amendment made by this title not specified in subsection (a).

(2) PUBLICATION IN FEDERAL REGISTER.—A pilot program may not commence until the date that is 30 days after publication in the Federal Register of a determination by the chairperson of the Committee of the scope of and procedures for the pilot program. That determination may not be delegated.

SEC. 1733. SEVERABILITY.

If any provision of this title or an amendment made by this title, or the application of such a provision or amendment to any person or circumstance, is held to be invalid, the application of that provision or amendment to other persons or circumstances and the remainder of the provisions of this title and the amendments made by this title, shall not be affected thereby.

DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

SEC. 2001. SHORT TITLE.

This division may be cited as the "Military Construction Authorization Act for Fiscal Year 2019".

SEC. 2002. EXPIRATION OF AUTHORIZATIONS AND AMOUNTS REQUIRED TO BE SPECIFIED BY LAW.

(a) EXPIRATION OF AUTHORIZATIONS AFTER THREE YEARS.—Except as provided in subsection (b), all authorizations contained in titles XXI through XXVII and title XXIX 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, 2023; or

(2) the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024.

(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, 2023; or

(2) the date of the enactment of an Act authorizing funds for fiscal year 2024 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 XXVII and title XXIX shall take effect on the later of—

(1) October 1, 2018; 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:

Army: Inside the United States

State	Installation	Amount
Alabama	*Anniston Army Depot*	*$5,200,000*
California	*Fort Irwin*	*$29,000,000*
Colorado	*Fort Carson*	*$77,000,000*
Georgia	*Fort Gordon*	*$99,000,000*
Hawaii	*Wheeler Army Airfield*	*$50,000,000*
Indiana	*Crane Army Ammunition Activity*	*$16,000,000*
Kentucky	*Fort Campbell*	*$50,000,000*
	Fort Knox	*$26,000,000*
New Jersey	*Picatinny Arsenal*	*$41,000,000*
New Mexico	*White Sands Missile Range*	*$40,000,000*

***Army: Inside the United States**—Continued*

State	*Installation*	*Amount*
New York	*West Point Military Reservation*	*$160,000,000*
North Carolina	*Fort Bragg*	*$10,000,000*
South Carolina	*Fort Jackson*	*$52,000,000*
Texas	*Fort Bliss*	*$24,000,000*
	Fort Hood	*$9,600,000*
Virginia	*Arlington National Cemetery Southern Expansion*	*$30,000,000*

(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 military construction projects for the installations or locations outside the United States, and in the amounts, set forth in the following table:

Army: Outside the United States

Country	*Installation*	*Amount*
Germany	*East Camp Grafenwoehr*	*$31,000,000*
Honduras	*Soto Cano Air Base*	*$21,000,000*
Korea	*Camp Tango*	*$17,500,000*
Kuwait	*Camp Arifjan*	*$44,000,000*

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 installations or locations,

in the number of units, and in the amounts set forth in the following table:

Army: Family Housing

State/Country	Installation or Location	Units	Amount
Italy	*Vicenza*	*Family Housing New Construction.*	*$95,134,000*
Korea	*Camp Walker*	*Family Housing Replacement Construction.*	*$68,000,000*
Puerto Rico	*Fort Buchanan*	*Family Housing Replacement Construction.*	*$26,000,000*
Wisconsin	*Fort McCoy*	*Family Housing New Construction.*	*$6,200,000*

(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 $18,326,000.

SEC. 2103. AUTHORIZATION OF APPROPRIATIONS, ARMY.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, 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 appropriated under subsection (a), as specified in the funding table in section 4601.

SEC. 2104. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2015 PROJECTS.

(a) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3669), the authorization set forth in the table in subsection (b), as provided in section 2101 of that Act (128 Stat. 3670), shall remain in effect until October 1, 2019, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2020, whichever is later.

(b) TABLE.—The table referred to in subsection (a) is as follows:

Army: Extension of 2015 Project Authorizations

State/ Country	Installation or Location	Project	Amount
California	Military Ocean Terminal, Concord.	Access Control Point ..	$9,900,000
Japan	Kadena Air Base	Missile Magazine	$10,600,000

SEC. 2105. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2016 PROJECT.

(a) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114–92; 129 Stat. 1145) the authorization set forth in the table in subsection (b), as provided in section 2101 of that Act (129 Stat. 1146), shall remain in effect until October 1, 2023, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

(b) TABLE.—The table referred to in subsection (a) is as follows:

Army: Extension of 2016 Project Authorization

Virginia	*Arlington Cemetery (DAR)*	*$60,000,000*

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 appropriations in section 2204(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Navy may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

Navy: Inside the United States

State	*Installation or Location*	*Amount*
Arizona	*Camp Navajo*	*$14,800,000*
California	*Camp Pendleton*	*$199,630,000*
	Coronado	*$77,780,000*
	Lemoore	*$112,690,000*
	Miramar	*$31,980,000*
	Point Mugu	*$22,150,000*
	San Diego	*$156,540,000*
	San Nicolas Island	*$31,010,000*
	Seal Beach	*$139,630,000*
District of Columbia	*Naval Observatory*	*$115,600,000*
Florida	*Mayport*	*$111,460,000*
	Naval Air Station Whiting Field	*$10,000,000*
Georgia	*Marine Corps Logistics Base Albany*	*$31,900,000*
Hawaii	*Joint Base Pearl Harbor-Hickam*	*$45,000,000*
	Kaneohe Bay	*$66,100,000*
	Pearl City	*$78,320,000*
Maine	*Kittery*	*$149,685,000*
Mississippi	*Naval Construction Battalion Center*	*$22,300,000*
North Carolina	*Cherry Point Marine Corps Air Station*	*$240,830,000*
	Camp Lejeune	*$51,300,000*
Pennsylvania	*Philadelphia*	*$71,050,000*
South Carolina	*Beaufort*	*$15,817,000*
	Parris Island	*$35,190,000*
Utah	*Hill Air Force Base*	*$105,520,000*
Virginia	*Portsmouth*	*$26,120,000*
	Quantico	*$13,100,000*
Washington	*Bangor*	*$88,960,000*
	Whidbey Island	*$27,380,000*

(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:

Navy: Outside the United States

Country	*Installation or Location*	*Amount*
Bahamas	*Andros Island*	*$31,050,000*
Bahrain Island	*SW Asia*	*$26,340,000*
Cuba	*Guantanamo Bay*	*$85,000,000*
Germany	*Panzer Kaserne*	*$43,950,000*
Guam	*Joint Region Marianas*	*$279,657,000*

***Navy: Outside the United States**—Continued*

Country	*Installation or Location*	*Amount*
Japan	*Kadena Air Base*	*$9,049,000*

1 ***SEC. 2202. FAMILY HOUSING.***

2 *(a) CONSTRUCTION AND ACQUISITION.—Using*
3 *amounts appropriated pursuant to the authorization of ap-*
4 *propriations in section 2204(a) and available for military*
5 *family housing functions as specified in the funding table*
6 *in section 4601, the Secretary of the Navy may construct*
7 *or acquire family housing units (including land acquisition*
8 *and supporting facilities) at the installation or location,*
9 *in the number of units, and in the amount set forth in the*
10 *following table:*

Navy: Family Housing

State	*Installation or Location*	*Units*	*Amount*
Guam	*Joint Region Marianas*	*Replace Andersen Housing PH III.*	*$83,441,000*

11 *(b) PLANNING AND DESIGN.—Using amounts appro-*
12 *priated pursuant to the authorization of appropriations in*
13 *section 2204(a) and available for military family housing*
14 *functions as specified in the funding table in section 4601,*
15 *the Secretary of the Navy may carry out architectural and*
16 *engineering services and construction design activities with*
17 *respect to the construction or improvement of family hous-*
18 *ing units in an amount not to exceed $4,502,000.*

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 $16,638,000.

SEC. 2204. AUTHORIZATION OF APPROPRIATIONS, NAVY.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, 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.

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:

Air Force: Inside the United States

State	Installation or Location	Amount
Alaska	Eielson Air Force Base	$63,800,000
Arizona	Davis-Monthan Air Force Base	$15,000,000
	Luke Air Force Base	$40,000,000
Florida	Eglin Air Force Base	$62,863,000
	MacDill Air Force Base	$3,100,000
Maryland	Joint Base Andrews	$50,000,000
Massachusetts	Hanscom Air Force Base	$225,000,000
Nebraska	Offutt Air Force Base	$9,500,000
Nevada	Creech Air Force Base	$59,000,000
	Nellis Air Force Base	$5,900,000
New Mexico	Holloman Air Force Base	$85,000,000
	Kirtland Air Force Base	$7,000,000
New York	Rome Lab	$14,200,000
North Dakota	Minot Air Force Base	$66,000,000
Ohio	Wright-Patterson Air Force Base	$116,100,000
Oklahoma	Altus Air Force Base	$12,000,000
	Tinker Air Force Base	$166,000,000
South Carolina	Shaw Air Force Base	$53,000,000
Utah	Hill Air Force Base	$26,000,000
Washington	White Bluff	$14,000,000

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military con-

struction 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 amount, set forth in the following table:

Air Force: Outside the United States

Country	*Installation or Location*	*Amount*
Guam	*Joint Region Marianas*	*$9,800,000*
Mariana Islands-Tinian	*Tinian*	*$50,700,000*
Qatar	*Al Udeid*	*$70,400,000*
United Kingdom	*RAF Lakenheath*	*$148,467,000*
Worldwide Classified	*Classified Location*	*$18,000,000*

SEC. 2302. FAMILY HOUSING.

Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed $3,199,000.

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 $75,247,000.

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, 2018, for military construction, land acquisition, and military family housing functions of the Department of the Air Force, as specified in the funding table in section 4601.

(b) LIMITATION ON TOTAL COST OF CONSTRUCTION PROJECTS.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2301 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. 2305. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN PHASED PROJECT AUTHORIZED IN FISCAL YEARS 2015, 2016, AND 2017.

In the case of the authorization contained in the table in section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law

113–291; 128 Stat. 3679) for Royal Air Force Croughton, for JIAC Consolidation Phase 1, the authorization contained in the table in section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114–92; 129 Stat. 1153) for Croughton Royal Air Force, for JIAC Consolidation Phase 2, and the authorization contained in the table in section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114–328; 130 Stat. 2697) for Royal Air Force Croughton, for JIAC Consolidation Phase 3, the location shall be United Kingdom, Unspecified.

SEC. 2306. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2017 PROJECT.

In the case of the authorization contained in the table in section 2301(a) of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114–328; 130 Stat. 2696) for Joint Base San Antonio, Texas, for construction of a basic military training recruit dormitory, the Secretary of the Air Force may construct a 26,537 square meter dormitory in the amount of $92,300,000.

SEC. 2307. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECT.

In the case of the authorization contained in the table in section 2301(a) of the Military Construction Authoriza-

tion Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1825) for the United States Air Force Academy, Colorado, for construction of a cyberworks facility, the Secretary of the Air Force may construct a facility of up to 4,462 square meters that includes two real property gifts of construction of 929 and 465 square meters if such gift is accepted by the Secretary in accordance with section 2601 of title 10, United States Code.

SEC. 2308. ADDITIONAL AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2019 PROJECTS.

(a) PROJECT AUTHORIZATIONS.—The Secretary of the Air Force may carry out military construction projects to construct—

(1) a 6,702 square meter Joint Simulation Environment Facility at Edwards Air Force Base, California, in the amount of $43,000,000;

(2) a 4,833 square meter Cyberspace Test Facility at Eglin Air Force Base, Florida, in the amount of $38,000,000; and

(3) a 4,735 square meter Joint Simulation Environment Facility at Nellis Air Force Base, Nevada, in the amount of $30,000,000.

(b) USE OF RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FUNDS.—As provided for in the Defense Laboratory Modernization Pilot Program authorized by section

2803 of the Military Construction Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1169), the Secretary may use funds available for research, development, test, and evaluation for the projects described in subsection (a).

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:

Defense Agencies: Inside the United States

State	Installation or Location	Amount
Alaska	Clear Air Force Station	$174,000,000
	Fort Greely	$8,000,000
	Joint Base Elmendorf-Richardson	$14,000,000
Arkansas	Little Rock Air Force Base	$14,000,000
California	Camp Pendleton	$12,596,000
	Coronado	$71,088,000
	Defense Distribution Depot-Tracy	$18,800,000
Colorado	Fort Carson	$24,297,000
CONUS Classified	Classified Location	$49,222,000
Kentucky	Fort Campbell	$82,298,000
Maine	Kittery	$11,600,000
Maryland	Fort Meade	$805,000,000
Missouri	St. Louis	$447,800,000
New Jersey	Joint Base McGuire-Dix-Lakehurst	$10,200,000
North Carolina	Fort Bragg	$32,366,000

***Defense Agencies: Inside the United States**—Continued*

State	Installation or Location	Amount
	New River	*$32,580,000*
Oklahoma	*McAlester*	*$7,000,000*
Texas	*Joint Base San Antonio*	*$10,200,000*
	Red River Army Depot	*$71,500,000*
Virginia	*Dam Neck*	*$8,959,000*
	Fort A.P. Hill	*$11,734,000*
	Fort Belvoir	*$6,127,000*
	Humphreys Engineer Center	*$20,257,000*
	Joint Base Langley-Eustis	*$12,700,000*
	Pentagon	*$35,850,000*
Washington	*Joint Base Lewis-McChord*	*$26,200,000*

1 *(b) OUTSIDE THE UNITED STATES.—Using amounts*
2 *appropriated pursuant to the authorization of appropria-*
3 *tions in section 2403(a) and available for military con-*
4 *struction projects outside the United States as specified in*
5 *the funding table in section 4601, the Secretary of Defense*
6 *may acquire real property and carry out military construc-*
7 *tion projects for the installations or locations outside the*
8 *United States, and in the amounts, set forth in the following*
9 *table:*

Defense Agencies: Outside the United States

Country	Installation or Location	Amount
Belgium	*U.S. Army Garrison Benelux (Chievres)*	*$14,305,000*
Cuba	*Guantanamo Bay*	*$9,080,000*
Djibouti	*Camp Lemonnier*	*$3,750,000*
Germany	*Baumholder*	*$11,504,000*
	Kaiserslautern Air Base	*$99,955,000*
	Weisbaden	*$56,048,000*
Greece	*NSA Souda Bay*	*$2,230,000*
Guam	*Naval Base Guam*	*$4,634,000*
	NSA Naples	*$990,000*
Japan	*Camp McTureous*	*$94,851,000*
	Iwakuni	*$33,200,000*
	Kadena Air Base	*$21,400,000*
	Yokosuka	*$170,386,000*
Unspecified Worldwide	*Unspecified*	*$15,693,000*

1 ***SEC. 2402. ENERGY RESILIENCE AND CONSERVATION IN-***
2 ***VESTMENT PROGRAM.***

3 *Using amounts appropriated pursuant to the author-*
4 *ization of appropriations in section 2403(a) and available*
5 *for energy conservation projects as specified in the funding*
6 *table in section 4601, the Secretary of Defense may carry*
7 *out energy conservation projects under chapter 173 of title*
8 *10, United States Code, for the installations or locations*
9 *outside the United States, and in the amounts set forth in*
10 *the following table:*

Energy Conservation Projects: Inside the United States

State	***Installation or Location***	***Amount***
Alabama	*Anniston Army Depot*	*$20,000,000*
California	*Naval Base Ventura County*	*$6,530,000*
Colorado	*Schriever Air Force Base*	*$4,044,000*
Florida	*MacDill Air Force Base*	*$3,700,000*
Hawaii	*Bellows Air Force Base*	*$2,944,000*
	Joint Base Pearl Harbor-Hickam	*$4,500,000*
Idaho	*Mountain Home Air Force Base*	*$5,980,000*
Indiana	*NSA Crane*	*$6,890,000*
Kansas	*Salina Training Center*	*$3,500,000*
Louisiana	*Naval Air Station Joint Reserve Base New Orleans*	*$5,340,000*
Maryland	*NSA Bethesda*	*$22,000,000*
New Mexico	*Kirtland Air Force Base*	*$462,000*
Ohio	*Wright-Patterson Air Force Base*	*$7,900,000*
Pennsylvania	*Fort Indiantown Gap*	*$2,150,000*
South Carolina	*Marine Corps Air Station Beaufort*	*$22,402,000*
Texas	*Camp Mabry*	*$5,500,000*
	Sheppard Air Force Base	*$9,404,000*
Virginia	*Naval Air Station Oceana*	*$2,520,000*
	NRO Headquarters	*$571,000*
Washington	*Naval Base Kitsap*	*$1,790,000*

11 ***SEC. 2403. AUTHORIZATION OF APPROPRIATIONS, DEFENSE***
12 ***AGENCIES.***

13 *(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are*
14 *hereby authorized to be appropriated for fiscal years begin-*
15 *ning after September 30, 2018, 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.

SEC. 2404. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2015 PROJECTS.

(a) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3669), the authorizations set forth in the table in subsection (b), as provided in section 2401 of that Act (128 Stat. 3681), and amended by section 2406 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1831), shall remain in effect until October 1, 2019, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2020, whichever is later.

(b) TABLE.—The table referred to in subsection (a) is as follows:

Defense Agencies: Extension of 2015 Project Authorizations

State/Country	Installation or Location	Project	Amount
Japan	*Commander Fleet Activities Sasebo*	*E.J. King High School Replacement/Renovation.*	*$37,681,000*
	Okinawa	*Kubasaki High School Replacement/Renovation.*	*$99,420,000*
New Mexico	*Cannon Air Force Base*	*SOF Squadron Operations Facility (STS).*	*$23,333,000*
Virginia	*Pentagon*	*Redundant Chilled Water Loop.*	*$15,100,000*

SEC. 2405. AUTHORIZATION OF CERTAIN FISCAL YEAR 2018 PROJECT.

The table in section 2401(a) of the National Defense Authorization Act for Fiscal Year 2018 (division B of Public Law 105–91) is amended by inserting after the item relating to South Carolina the following new item:

Texas	*Fort Bliss Blood Processing Center*	*$8,300,000*

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.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for contributions by the Secretary of Defense under section 2806 of title 10, United States Code, for the share of the United States of the cost of projects for the North Atlantic Treaty Organization Security Investment Program authorized by section 2501 as specified in the funding table in section 4601.

Subtitle B—Host Country In-kind Contributions

SEC. 2511. REPUBLIC OF KOREA FUNDED CONSTRUCTION PROJECTS.

Pursuant to agreement with the Republic of Korea for required in-kind contributions, the Secretary of Defense may accept military construction projects for the installations or locations, and in the amounts, set forth in the following table:

Republic of Korea Funded Construction Projects

Country	*Component*	*Installation or Location*	*Project*	*Amount*
Korea	*Army*	*Camp Carroll*	*Upgrade Electrical Distribution, Phase 2*	*$52,000,000*
	Army	*Camp Humphreys*	*Site Development*	*$7,800,000*
	Army	*Camp Humphreys*	*Air Support Operations Squadron*	*$25,000,000*
	Army	*Camp Humphreys*	*Unaccompanied Enlisted Personnel Housing, P2*	*$76,000,000*
	Army	*Camp Humphreys*	*Echelon Above Brigade Engineer Battalion, VMF*	*$123,000,000*
	Army	*Camp Walker*	*Repair/ Replace Sewer Piping System*	*$8,000,000*
	Navy	*Chinhae*	*Indoor Training Pool*	*$7,400,000*
	Navy	*Pohang Air Base*	*Replace Ordnance Storage Magazines*	*$87,000,000*
	Air Force	*Gimhae Air Base*	*Airfield Damage Repair Warehouse*	*$7,600,000*
	Air Force	*Gwangju Air Base*	*Airfield Damage Repair Warehouse*	*$7,600,000*
	Air Force	*Kunsan Air Base*	*Explosive Ordnance Disposal Facility*	*$8,000,000*
	Air Force	*Kunsan Air Base*	*Upgrade Flow-Through Fuel System*	*$23,000,000*
	Air Force	*Osan Air Base*	*5th Recon-naissance Squadron Aircraft Shelter*	*$12,000,000*

***Republic of Korea Funded Construction Projects**—Continued*

Country	*Component*	*Installation or Location*	*Project*	*Amount*
	Air Force ...	*Osan Air Base*	*Airfield Damage Repair Facility .....*	*$22,000,000*
	Air Force ...	*Osan Air Base*	*Commun-ications HQ Building .....*	*$45,000,000*
	Air Force ...	*Suwon Air Base .....*	*Airfield Damage Repair Warehouse .....*	*$7,200,000*

TITLE XXVI—GUARD AND RESERVE FORCES FACILITIES

Subtitle A—Project Authorizations and Authorization of Appropriations

SEC. 2601. AUTHORIZED ARMY NATIONAL GUARD CONSTRUCTION AND LAND ACQUISITION PROJECTS.

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:

Army National Guard

State	*Location*	*Amount*
Alaska	*Joint Base Elmendorf-Richardson .....*	*$27,000,000*
Illinois	*Marseilles .....*	*$5,000,000*
Montana	*Malta .....*	*$15,000,000*
Nevada	*North Las Vegas .....*	*$32,000,000*
New Hampshire	*Pembroke .....*	*$12,000,000*
North Dakota	*Fargo .....*	*$32,000,000*
Ohio	*Camp Ravenna .....*	*$7,400,000*

***Army National Guard**—Continued*

State	*Location*	*Amount*
Oklahoma	*Lexington*	*$11,000,000*
Oregon	*Boardman*	*$11,000,000*
South Dakota	*Rapid City*	*$15,000,000*
Texas	*Houston*	*$15,000,000*
Virginia	*Sandston*	*$89,000,000*

1 ***SEC. 2602. AUTHORIZED ARMY RESERVE CONSTRUCTION***
2 ***AND LAND ACQUISITION PROJECTS.***

3 *Using amounts appropriated pursuant to the author-*
4 *ization of appropriations in section 2606 and available for*
5 *the National Guard and Reserve as specified in the funding*
6 *table in section 4601, the Secretary of the Army may ac-*
7 *quire real property and carry out military construction*
8 *projects for the Army Reserve locations inside the United*
9 *States, and in the amounts, set forth in the following table:*

Army Reserve

State	*Location*	*Amount*
California	*Barstow*	*$34,000,000*
Wisconsin	*Fort McCoy*	*$23,000,000*

10 ***SEC. 2603. AUTHORIZED NAVY RESERVE AND MARINE***
11 ***CORPS RESERVE CONSTRUCTION AND LAND***
12 ***ACQUISITION PROJECTS.***

13 *Using amounts appropriated pursuant to the author-*
14 *ization of appropriations in section 2606 and available for*
15 *the National Guard and Reserve as specified in the funding*
16 *table in section 4601, the Secretary of the Navy may ac-*
17 *quire real property and carry out military construction*
18 *projects for the Navy Reserve and Marine Corps Reserve*

locations inside the United States, and in the amounts, set forth in the following table:

Navy Reserve and Marine Corps Reserve

State	Location	Amount
California	*Seal Beach*	*$21,740,000*
Georgia	*Benning*	*$13,630,000*
Pennsylvania	*Pittsburgh*	*$17,650,000*

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:

Air National Guard

State	Location	Amount
California	*Channel Islands Air National Guard Station.*	*$8,000,000*
Hawaii	*Joint Base Peal Harbor-Hickam*	*$17,000,000*
Illinois	*General Wayne A. Downing Peoria International Airport.*	*$9,000,000*
Louisiana	*Naval Air Station Joint Reserve Base New Orleans.*	*$15,000,000*
New York	*Francis S. Gabreski Airport*	*$20,000,000*
Pennsylvania	*Fort Indiantown Gap*	*$8,000,000*
Puerto Rico	*Luis Munoz Marin International Airport.*	*$50,000,000*
Virginia	*Joint Base Langley-Eustis*	*$10,000,000*

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:

Air Force Reserve

State	*Location*	*Amount*
Indiana	*Grissom Air Reserve Base*	*$21,500,000*
Minnesota	*St. Paul International Airport*	*$9,000,000*
Mississippi	*Keesler Air Force Base*	*$4,550,000*
New York	*Niagara Falls International Airport*	*$14,000,000*
Texas	*Naval Air Station Joint Reserve Base Fort Worth.*	*$3,100,000*

SEC. 2606. AUTHORIZATION OF APPROPRIATIONS, NATIONAL GUARD AND RESERVE.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for the costs of acquisition, architectural and engineering services, and construction of facilities for the Guard and Reserve Forces, and for contributions therefor, under chapter 1803 of title 10, United States Code (including the cost of acquisition of land for those facilities), as specified in the funding table in section 4601.

Subtitle B—Other Matters

SEC. 2611. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2016 PROJECT.

In the case of the authorization contained in the table in section 2603 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114–92; 129 Stat. 1164) for construction of a Reserve Training Center Complex at Dam Neck, Virginia, the Secretary of the Navy may construct the Reserve Training Center Complex at Joint Expeditionary Base Little Creek-Story, Virginia.

SEC. 2612. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECT.

In the case of the authorization contained in the table in section 2601 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1834) for Fort Belvoir, Virginia, for additions and alterations to the National Guard Readiness Center, the Secretary of the Army may construct a new readiness center. If a new readiness center is constructed, no funds above the previously authorized $15,000,000 may be made available for such purpose.

SEC. 2613. ADDITIONAL AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2019 PROJECT.

(a) PROJECT AUTHORIZATION.—The Secretary of the Navy may carry out a military construction project to construct a 50,000 square foot reserve training center, 6,600 square foot combat vehicle maintenance and storage facility, 2,400 square foot vehicle wash rack, 1,600 square foot covered training area, road improvements, and associated supporting facilities, and may acquire approximately 8.5 acres of adjacent land and obtain necessary interest in land at Pittsburgh, Pennsylvania, in the amount of $17,650,000.

(b) USE OF UNOBLIGATED PRIOR-YEAR NAVY MILITARY CONSTRUCTION RESERVE FUNDS.—The Secretary may use available, unobligated Navy military construction reserve funds for the project described in subsection (a).

(c) CONGRESSIONAL NOTIFICATION.—The Secretary of the Navy shall provide information in accordance with section 2851(c) of title 10, United States Code, regarding the project described in subsection (a). If it becomes necessary to exceed the estimated project cost, the Secretary shall utilize the authority provided by section 2853 of such title regarding authorized cost and scope of work variations.

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, 2018, 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.

SEC. 2702. PROHIBITION ON CONDUCTING ADDITIONAL BASE REALIGNMENT AND CLOSURE (BRAC) ROUND.

Nothing in this Act shall be construed to authorize an additional Base Realignment and Closure (BRAC) round.

TITLE XXVIII—MILITARY CONSTRUCTION AND GENERAL PROVISIONS

Subtitle A—Military Construction Program and Military Family Housing Changes

SEC. 2801. ADDITIONAL AUTHORITY TO OBTAIN ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN FOR DEFENSE LABORATORY MODERNIZATION PILOT PROGRAM.

Section 2803 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1169; 10 U.S.C. 2358 note) is amended—

(1) in subsection (a), by striking "subsection (d)" and inserting "subsection (e)";

(2) in subsection (b)(1), by striking ", site preparation, and advance planning and design" and inserting "and site preparation";

(3) in subsection (d), by striking "subsection (c)(1)" and inserting "subsection (d)(1)";

(4) by redesignating subsections (c), (d), (e), and (f) as subsections (d), (e), (f), and (g), respectively;

(5) by inserting after subsection (b) the following new subsection:

"(c) ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN.—Using amounts appropriated or otherwise made available to the military departments for research, development, test, and evaluation, the Secretary of the military department concerned may obtain architectural and engineering services and carry out construction design in connection with a military construction project described in subsection (a). This authority is not subject to the condition in subsection (b).";

(6) in subsection (d), as redesignated by paragraph (4)—

(A) in paragraph (1), by adding at the end the following: "This requirement does not include architectural and engineering services and construction design under subsection (c)."; and

(B) in paragraph (2), by inserting "other than funds used pursuant to subsection (c)" after "subsection (a)"; and

(7) in subsection (g), as redesignated by paragraph (4), by striking "2020" and inserting "2025".

SEC. 2802. MODIFICATION OF CONTRACT AUTHORITY FOR ACQUISITION, CONSTRUCTION, OR FURNISHING OF TEST FACILITIES AND EQUIPMENT.

Section 2353(a) of title 10, United States Code, is amended—

(1) by inserting after the first sentence the following: "The acquisition or construction of these research, developmental, or test facilities shall be subject to the cost principles applicable to allowable contract expenses."; and

(2) by adding at the end the following: "The acquisition or construction of facilities under the authority of this section shall not be governed by sections 2802, 2805, or 2811 of this title and their associated implementing regulations. The Secretary of Defense and the Secretaries of the military departments shall promulgate regulations necessary to give full force and effect to this section.".

SEC. 2803. EXTENSION OF TEMPORARY, LIMITED AUTHORITY TO USE OPERATION AND MAINTENANCE FUNDS FOR CONSTRUCTION PROJECTS IN CERTAIN AREAS OUTSIDE THE UNITED STATES.

(a) EXTENSION OF AUTHORITY.—Subsection (h) of section 2808 of the Military Construction Authorization Act

for Fiscal Year 2004 (division B of Public Law 108–136; 117 Stat. 1723), as most recently amended by section 2804 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91), is further amended—

(1) in paragraph (1), by striking "December 31, 2018" and inserting "December 31, 2019"; and

(2) in paragraph (2), by striking "fiscal year 2019" and inserting "fiscal year 2020".

(b) LIMITATION ON USE OF AUTHORITY.—Subsection (c)(1) of such section is amended—

(1) by striking "$100,000,000" and inserting "$50,000,000";

(2) by striking "October 1, 2017" and inserting "October 1, 2018";

(3) by striking "December 31, 2018" and inserting "December 31, 2019"; and

(4) by striking "fiscal year 2019" and inserting "fiscal year 2020".

SEC. 2804. UNSPECIFIED MINOR MILITARY CONSTRUCTION PROJECTS RELATED TO REVITALIZATION AND RECAPITALIZATION OF DEFENSE INDUSTRIAL BASE FACILITIES.

Section 2805 of title 10, United States Code, is amended by adding at the end the following new subsection:

"(g) DEFENSE INDUSTRIAL BASE FACILITY REVITALIZATION.—(1) For the revitalization and recapitalization of Defense Industrial Base Facilities owned by the United States and under the jurisdiction of the Secretary concerned, the Secretary concerned may obligate and expend—

"(A) from appropriations available to the Secretary concerned for operation and maintenance, amounts necessary to carry out an unspecified minor military construction project costing not more than $6,000,000, notwithstanding subsection (c); or

"(B) from appropriations available to the Secretary concerned for military construction not otherwise authorized by law or from funds authorized to be made available section 2363(a) of this title, amounts necessary to carry out an unspecified minor military construction project costing not more than $6,000,000.

"(2) For purposes of this subsection, an unspecified minor military construction project is a military construction project that (notwithstanding subsection (a)) has an approved cost equal to or less than $6,000,000.

"(3) If the Secretary concerned makes a decision to carry out an unspecified minor military construction project to which this subsection applies, the Secretary concerned shall notify the appropriate committees of Congress

of that decision, of the justification for the project, and of the estimated cost of the project. The project may then be carried out only after the end of the 14-day period beginning on the date the notification is received by the committees in an electronic medium pursuant to section 480 of this title.

"(4) In this section, the term 'defense industrial base facility' means any Department of Defense depot, arsenal, shipyard, or plant located within the United States.

"(5) The authority to carry out a project under this subsection expires on September 30, 2023.".

SEC. 2805. CONGRESSIONAL OVERSIGHT OF PROJECTS CARRIED OUT PURSUANT TO LAWS OTHER THAN MILITARY CONSTRUCTION AUTHORIZATION ACTS.

Section 2802(e)(1) of title 10, United States Code, is amended—

(1) by striking "Secretary concerned shall—" and all that follows through "comply with the congressional notification requirement" and inserting "Secretary concerned shall comply with the congressional notification requirement"; and

(2) by inserting "and submit to the congressional defense committees any materials required to be submitted to Congress or any other congressional com-

mittees pursuant to the congressional notification requirement" after "road project will be carried out".

Subtitle B—Project Management and Oversight Reforms

SEC. 2811. UPDATES AND MODIFICATIONS TO DEPARTMENT OF DEFENSE FORM 1391, UNIFIED FACILITIES CRITERIA, AND MILITARY INSTALLATION MASTER PLANS.

(a) FLOOD RISK DISCLOSURE FOR MILITARY CONSTRUCTION.—

(1) IN GENERAL.—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—

(A) disclosure whether a proposed project will be sited within or partially within a 100-year floodplain, according to the most recent available Federal Emergency Management Agency flood hazard data; and

(B) if the proposed project will be sited within or partially within a 100-year floodplain, the specific risk mitigation plan.

(2) DELINEATION OF FLOODPLAIN.—To the extent that Federal Emergency Management Agency

flood hazard data are not available for a proposed major or minor military construction site, the Secretary concerned shall establish a process for delineating the 100-year floodplain using risk analysis that is consistent with the standards used to inform Federal flood risk assessments.

(3) REPORTING REQUIREMENTS.—For proposed projects that are to be sited within or partially within a 100-year floodplain, the Secretary concerned shall submit to the congressional defense committees a report with the following:

(A) An assessment of flood vulnerability for the proposed project.

(B) Any information concerning alternative construction sites that were considered, and an explanation of why those sites do not satisfy mission requirements.

(C) A description of planned flood mitigation measures.

(4) MINIMUM FLOOD MITIGATION REQUIREMENTS.—When mitigating the flood risk of a major or minor military construction project within or partially within the 100-year floodplain, the Secretary concerned shall require any mitigation plan to assume an additional—

(A) 2 feet above the base flood elevation for non-mission critical buildings, as determined by the Secretary; and

(B) 3 feet above the base flood elevation for mission-critical buildings, as determined by the Secretary.

(b) DISCLOSURE REQUIREMENTS FOR DEPARTMENT OF DEFENSE FORM 1391.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall amend Department of Defense Form 1391 to require, for each requested military construction project—

(1) disclosure whether the project was included in the prior year's future-years defense program submitted to Congress pursuant to section 221 of title 10, United States Code; and

(2) inclusion of an energy study or life cycle analysis.

(c) INCORPORATION OF CHANGING ENVIRONMENTAL CONDITION PROJECTIONS IN MILITARY CONSTRUCTION DESIGNS AND MODIFICATIONS.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall amend section 3–5.6.2.3 of United Facilities Criteria (UFC) 2–100–01 and UFC 2–100–02 (or any similar successor regulations) to provide that in order to anticipate changing environmental conditions during the design life

of existing or planned new facilities and infrastructure, projections from reliable and authorized sources such as the Census Bureau (for population projections), the National Academies of Sciences (for land use change projections and climate projections), the U.S. Geological Survey (for land use change projections), and the U.S. Global Change Research Office and National Climate Assessment (for climate projections) shall be considered and incorporated into military construction designs and modifications.

(d) INCLUSION OF CONSIDERATION OF ENERGY AND CLIMATE RESILIENCY EFFORTS IN MASTER PLANS FOR MAJOR MILITARY INSTALLATIONS.—Section 2864 of title 10, United States Code, is amended—

(1) in subsection (a)(2)—

(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) by adding at the end the following new subparagraph:

"(E) energy and climate resiliency efforts."; and

(2) in subsection (d), by adding at the end the following new paragraph:

"(3) The term 'energy and climate resiliency' means anticipation, preparation for, and adaptation

to utility disruptions and changing environmental conditions and the ability to withstand, respond to, and recover rapidly from utility disruptions while ensuring the sustainment of mission-critical operations.".

(e) DEFINITION OF MILITARY INSTALLATION RESILIENCE.—Section 101(e) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(8) MILITARY INSTALLATION RESILIENCE.—The term 'military installation resilience' means the capability of a military installation to avoid, prepare for, minimize the effect of, adapt to, and recover from extreme weather events, or from anticipated or unanticipated changes in environmental conditions, that do, or have the potential to, adversely affect the military installation or essential transportation, logistical, or other necessary resources outside of the military installation that are necessary in order to maintain, improve, or rapidly reestablish installation mission assurance and mission-essential functions.".

(f) ADJUSTMENT AND DIVERSIFICATION ASSISTANCE FOR RESPONDING TO THREATS TO THE RESILIENCE OF A MILITARY INSTALLATION.—Section 2391(b)(1) of title 10, United States Code, is amended—

(1) by striking ", or (E) by the closure" and inserting ", (E) by threats to military installation resilience, or (F) by the closure";

(2) by striking "(A), (B), (C), or (E)" and inserting "(A), (B), (C), or (F)"; and

(3) by striking "action described in clause (D), if the Secretary determines that the encroachment of the civilian community" and inserting "action described in clause (D) or (E), if the Secretary determines that either the encroachment of the civilian community or threats to military installation resilience".

SEC. 2812. WORK IN PROCESS CURVE CHARTS AND OUTLAY TABLES FOR MILITARY CONSTRUCTION PROJECTS.

(a) REQUIRED SUBMISSIONS.—

(1) IN GENERAL.—Subchapter III of chapter 169 of title 10, United States Code, is amended by inserting after section 2864 the following new section:

"§ 2865. Work in Process Curve charts and outlay tables required for military construction projects

"Along with the budget for each fiscal year submitted by the President pursuant to section 1105(a) of title 31, United States Code, the Secretary of Defense and the Secre-

taries of the military departments shall include for any military construction project over $35,000,000, as an addendum to be included within the same document as the 1391s for the Military Construction Program budget documentation, a Project Spending Plan that includes—

"(1) a Work in Process Curve chart to identify funding, obligations, and outlay figures; and

"(2) a monthly outlay table for funding, obligations, and outlay figures.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such subchapter is amended by inserting after the item relating to section 2864 the following new item:

"2865. Work in Process Curve charts and outlay tables required for military construction projects.".

(b) DEPARTMENT OF DEFENSE GUIDANCE.—The Secretary of Defense shall, in coordination with the Under Secretary of Defense (Comptroller), update Department of Defense Financial Management Regulation 7000.14–R, and any other appropriate instructions and guidance, to ensure that the Department of Defense takes appropriate actions to comply with section 2865 of title 10, United States Code, as added by this section.

Subtitle C—Land Conveyances

SEC. 2821. LAND EXCHANGE, AIR FORCE PLANT 44, TUCSON, ARIZONA.

(a) LAND CONVEYANCE AND RESTORATION OF REAL PROPERTY IMPROVEMENTS AUTHORIZED.—In connection with a project planned by the Tuscon Airport Authority (in this section referred to as "TAA") to relocate and extend a parallel runway and make other airfield safety enhancements at the Tucson International Airport, the Secretary of the Air Force (in this section referred to as the "Secretary") may—

(1) convey to TAA all right, title, and interest of the United States in and to all or any part of a parcel of real property, including any improvements thereon, consisting of approximately 58 acres on Air Force Plant 44, Arizona, and located adjacent to Tucson International Airport;

(2) agree to terminate all or a portion of any deed restrictions made for the benefit of the United States that limit construction on Tucson International Airport within 750 feet of the Airport's southwest property boundary with Air Force Plant 44; and

(3) using cash or in-kind consideration as provided in subsection (b)—

(A) construct new explosives storage facilities to replace the explosives storage facilities located on the land described in paragraph (1) and explosives storage facilities located on Air Force Plant 44 within the end-of-runway clear zone associated with the TAA airfield enhancement project; and

(B) construct new fencing as necessary to accommodate the changes in the boundary of Air Force Plant 44.

(b) CONSIDERATION.—As consideration for the land conveyance, deed restriction termination, replacement of real property improvements, and installation of fencing authorized under subsection (a), the following consideration must be received by the United States before the Secretary may make any conveyance or termination of real property interests of the United States as described in subsection (a):

(1) All right, title, and interest of the owner or owners thereof to the parcels of real property consisting of approximately 160 acres directly adjacent to the south boundary of Air Force Plant 44.

(2) The cost to the Secretary, in accordance with current design standards, of—

(A) replacing the real property structures on Air Force Plant 44 made unusable due to the

land transfers and termination of deed restrictions, with structures of at least equivalent capacity and functionality; and

(B) installing the necessary boundary fencing due to the changes in the boundary of Air Force Plant 44.

(c) DIRECT PAYMENT OF CONSIDERATION TO GOVERNMENT CONTRACTORS.—The Secretary may require that any cash consideration to be received under this section be paid, directly or through the Air Force design and construction agent, to the contractors performing design or construction of the real property improvements described in subsection (a)(3).

(d) PAYMENT OF COSTS OF CONVEYANCES.—

(1) PAYMENT REQUIRED.—The Secretary may require TAA to cover costs to be incurred by the Secretary to carry out the land exchange and other transactions authorized under this section, or to reimburse the Secretary for such costs, including survey costs, appraisal costs, costs related to environmental documentation, and other administrative costs related to the conveyances. If amounts are collected from TAA in advance of the Secretary incurring the actual costs, and the amount collected exceeds the costs actually incurred by the Secretary to carry out such trans-

actions, the Secretary shall refund the excess amount to TAA.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received as reimbursements under paragraph (1) shall be used in accordance with section 2695(c) of title 10, United States Code.

(e) DESCRIPTION OF PROPERTY.—The exact acreage and legal description of the real property to be exchanged under this section shall be determined by a survey satisfactory to the Secretary.

(f) ADDITIONAL TERMS AND CONDITIONS.—The Secretary may require such additional terms and conditions in connection with the land exchange and other transactions under this section as the Secretary considers appropriate to protect the interests of the United States. Without limiting the foregoing, the Secretary may establish a deed restriction on any part of the 58 acres described in subsection (a)(1) to accommodate existing Quantity Distance arcs.

SEC. 2822. LAND CONVEYANCE, EGLIN AIR FORCE BASE, FLORIDA.

(a) CONVEYANCE AUTHORIZED.—The Secretary of the Air Force may convey, without consideration, to the Air Force Enlisted Village, a nonprofit corporation (in this section referred to as the "Village"), all right, title, and inter-

est of the United States in and to a parcel of real property, including improvements thereon, consisting of approximately 80 acres located adjacent to Eglin Air Force Base, Florida, for the purpose of independent-living and assisted-living apartments for veterans. The conveyance under this subsection is subject to valid existing rights.

(b) REVERSIONARY INTEREST.—If the Secretary determines at any time that the real property conveyed under subsection (a) is not being used in accordance with the purpose of the conveyance specified in subsection (a), all right, title, and interest in and to such real property, including any improvements thereto, shall, at the option of the Secretary, revert to and become the property of the United States, and the United States shall have the right of immediate entry onto such real property. A determination by the Secretary under this subsection shall be made on the record after an opportunity for a hearing.

(c) PAYMENT OF COSTS OF CONVEYANCE.—

(1) PAYMENT REQUIRED.—The Secretary may require the Village to cover all costs (except costs for environmental remediation of the property) to be incurred by the Secretary, or to reimburse the Secretary for costs incurred by the Secretary, to carry out the conveyance under this section, including survey costs, costs for environmental documentation, and any other

administrative costs related to the conveyance. If amounts are collected from the Village in advance of the Secretary incurring the actual costs, and the amount collected exceeds the costs actually incurred by the Secretary to carry out the conveyance, the Secretary shall refund the excess amount to the Village.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received under paragraph (1) as reimbursement for costs incurred by the Secretary to carry out the conveyance under subsection (a) shall be credited to the fund or account that was used to cover the costs incurred by the Secretary in carrying out the conveyance, or to an appropriate fund or account 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 purposes, and subject to the same conditions and limitations, as amounts in such fund or account.

(d) 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

(e) ADDITIONAL TERMS AND CONDITIONS.—The Secretary may require such additional terms and conditions

in connection with the conveyance under subsection (a) as the Secretary considers appropriate to protect the interests of the United States.

Subtitle D—Other Matters

SEC. 2831. COMMEMORATION OF FREEDMAN'S VILLAGE.

(a) FREEDMAN'S VILLAGE GATE.—The Secretary of the Army shall, as part of the southern expansion of Arlington National Cemetery, name the newly constructed gate located at the intersection of Hobson Drive and Southgate Road, "Freedman's Village Gate".

(b) PERMANENT EASEMENT.—The Secretary of the Army is directed to grant to Arlington County a permanent easement of no less than 0.1 acres of land within the right-of-way of Southgate Road to the south and west of Hobson Drive and west of the planned joint base access road that is also continuous with Foxcroft Heights Park for the purpose of commemorating Freedman's Village.

(c) RELOCATION OF COMMEMORATION IN EVENT LOCATION IS USED FOR BURIAL PURPOSES.—In the event Arlington National Cemetery subsequently acquires the property used for the commemoration described under subsection (b) for burial purposes, the Army shall relocate any commemoration of Freedman's Village to an appropriate location.

(d) REIMBURSEMENT.—The Secretary of Defense may accept reimbursement from Arlington County for any costs associated with commemorating Freedman's Village.

SEC. 2832. STRATEGIC PLAN TO IMPROVE CAPABILITIES OF DEPARTMENT OF DEFENSE TRAINING RANGES AND INSTALLATIONS.

(a) PLAN REQUIRED.—The Secretary of Defense shall develop and implement a comprehensive strategic plan to identify and address deficits in the capabilities of Department of Defense training ranges to support current and anticipated readiness requirements to execute the National Defense Strategy (NDS).

(b) EVALUATION.—As part of the preparation of the strategic plan, the Secretary shall conduct an evaluation of the following:

(1) The adequacy of current training range resources to include the ability to train against near-peer or peer threats in a realistic 5th Generation environment.

(2) The adequacy of current training enablers to meet current and anticipated demands of the Armed Forces.

(c) ELEMENTS.—The strategic plan shall include the following:

(1) Proposals to enhance the capabilities of training ranges to address any limitations or constraints on current Department resources, including any climatically induced impacts or shortfalls.

(2) Goals and milestones for tracking actions under the plan and measuring progress in carrying out such actions.

(3) Projected funding requirements for implementing actions under the plan.

(d) DEVELOPMENT AND IMPLEMENTATION.—The Under Secretary of Defense for Acquisition and Sustainment, as the principal staff assistant to the Secretary on installation management, shall have lead responsibility for developing and overseeing implementation of the strategic plan and for coordination of the discharge of the plan by components of the Department.

(e) REPORT ON IMPLEMENTATION.—Not later than April 1, 2020, the Secretary shall, through the Under Secretary of Defense for Acquisition and Sustainment, submit to Congress a report on the progress made in implementing this section, including the following:

(1) A description of the strategic plan.

(2) A description of the results of the evaluation conducted under subsection (b).

(3) Such recommendations as the Secretary considers appropriate with respect to improvements of the capabilities of training ranges and enablers.

(f) PROGRESS REPORTS.—Not later than April 1, 2019, and annually thereafter for 3 years, the Secretary shall, through the Under Secretary, submit to Congress a report setting forth the following:

(1) A description of the progress made during the preceding fiscal year in implementing the strategic plan.

(2) A description of any additional actions taken, or to be taken, to address limitations and constraints on training ranges and enablers.

(3) Assessments of individual training ranges addressing the evaluation conducted under subsection (b).

(g) ADDITIONAL REPORT ELEMENT.—Each report under subsections (e) and (f) shall also include a list of significant modifications to training range inventory, such as range closures or expansions, during the preceding fiscal year, including any limitations or impacts due to climatic conditions.

SEC. 2833. NATIVE AMERICAN INDIAN LANDS ENVIRONMENTAL MITIGATION PROGRAM.

(a) IN GENERAL.—Chapter 160 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 2712. Native American lands environmental mitigation program

"(a) ESTABLISHMENT.—The Secretary of Defense may establish and carry out a program to mitigate the environmental effects of Department of Defense actions on Indian lands and culturally connected locations.

"(b) PROGRAM ACTIVITIES.—The activities that may be carried out under the program established under subsection (a) are the following:

"(1) Identification, investigation, and documentation of suspected environmental effects attributable to past Department of Defense actions.

"(2) Development of mitigation options for such environmental effects, including development of cost-to-complete estimates and a system for prioritizing mitigation actions.

"(3) Direct mitigation actions that the Secretary determines are necessary and appropriate to mitigate the adverse environmental effects of past Department of Defense actions.

"(4) Demolition and removal of unsafe buildings and structures used by, under the jurisdiction of, or formerly used by or under the jurisdiction of the Department of Defense.

"(5) Training, technical assistance, and administrative support to facilitate the meaningful participation of Indian tribes in mitigation actions under the program.

"(6) Development and execution of a policy governing consultation with Indian tribes that have been or may be affected by Department of Defense actions, including training Department of Defense personnel to ensure compliance with the policy.

"(c) COOPERATIVE AGREEMENTS.—(1) In carrying out the program established under subsection (a), the Secretary of Defense may enter into a cooperative agreement with an Indian tribe or an instrumentality of tribal government.

"(2) Notwithstanding chapter 63 of title 31, a cooperative agreement under this section may be used to acquire property or services for the direct benefit of the United States Government.

"(3) Any cooperative agreement under this section for the procurement of severable services may begin in one fiscal

year and end in another fiscal year provided the total period of performance does not exceed five calendar years.

"(d) DEFINITIONS.—In this section:

"(1) The term 'Indian land' includes—

"(A) any land located within the boundaries and a part of an Indian reservation, pueblo, or rancheria;

"(B) any land that has been allotted to an individual Indian, but has not been conveyed to such Indian with full power of alienation;

"(C) Alaska Native village and regional corporation lands; and

"(D) lands and waters upon which any federally recognized Indian tribe has rights reserved by treaty, act of Congress, or action by the President.

"(2) The term 'Indian tribe' means any Indian tribe, band, nation, or other organized group or community, including any Alaska Native village or regional or village corporation as defined in or established pursuant to the Alaska Native Claims Settlement Act (43 U.S.C. 1601 et seq.), which is recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians.

"(3) The term 'culturally connected location' means a location or place that has demonstrable significance to Indians or Alaska Natives based on its association with the traditional beliefs, customs, and practices of a living community, including locations or places where religious, ceremonial, subsistence, medicinal, economic, or other lifeways practices have historically taken place.".

(b) TABLE OF SECTIONS AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2711 the following new item:

"2712. Native American lands environmental mitigation program.".

SEC. 2834. DEFENSE COMMUNITY INFRASTRUCTURE PILOT PROGRAM.

Section 2391 of title 10, United States Code, is amended—

(1) by redesignating subsections (d) and (e) as subsections (e) and (f), respectively;

(2) by inserting after subsection (c) the following new subsection:

"(d) DEFENSE COMMUNITY INFRASTRUCTURE PILOT PROGRAM.—(1) The Secretary of Defense may make grants, conclude cooperative agreements, and supplement funds available under Federal programs administered by agencies other than the Department of Defense to assist State and

local governments to address deficiencies in community infrastructure supportive of a military installation, if the Secretary determines that such assistance will enhance the military value, resilience, or military family quality of life at such military installation.

"(2) The Secretary shall establish criteria for the selection of community infrastructure projects to receive assistance under paragraph (1). The criteria shall include a requirement that the State or local government agree to contribute not less than 30 percent of the funding for the community infrastructure project, unless the community infrastructure project is located in a rural area, or for reasons related to national security, in which case the Secretary may waive the requirement for a State or local government contribution.

"(3) Amounts appropriated or otherwise made available for assistance under paragraph (1) may remain available until expended.

"(4) The authority under this subsection shall expire on September 30, 2023."; and

(3) in subsection (e), as redesignated by paragraph (1), by adding at the end the following new paragraphs:

"(4) The term 'community infrastructure' means any transportation project; school, hospital, police,

fire, emergency response, or other community support facility; or water, waste-water, telecommunications, electric, gas, or other utility infrastructure project that is located off of a military installation and owned by a State or local government.

"(5) The term 'rural area' means a city, town, or unincorporated area that has a population of not more than 20,000 inhabitants.".

SEC. 2835. REPRESENTATION OF INSTALLATION INTERESTS IN NEGOTIATIONS AND PROCEEDINGS WITH CARRIERS AND OTHER PUBLIC UTILITIES.

Section 501(c) of title 40, United States Code, is amended—

(1) by redesignating paragraphs (1) and (2) as subparagraphs (A) and (B), respectively;

(2) by inserting "(1)" before "For transportation"; and

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

"(2) Prior to representing any installation of the Department of Defense in any proceeding under this subsection, the Administrator or any persons or entities acting on behalf of the Administrator shall—

"(A) notify the senior mission commander of the installation; and

"(B) solicit and represent the interests of the installation as determined by the installation's senior mission commander.".

SEC. 2836. WHITE SANDS MISSILE RANGE LAND ENHANCEMENTS.

(a) DEFINITIONS.—In this section:

(1) MAP.—The term "Map" means the map entitled "White Sands National Park Proposed Boundary Revision & Transfer of Lands Between National Park Service & Department of the Army", numbered 142/136,271, and dated February 14, 2017.

(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.

(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 Ammunitions and Explosives Safety Standards" and dated February 29, 2008 (as in effect on the date of enactment of this Act).

(6) PARK.—The term "Park" means the White Sands National Park established by subsection (b)(2)(A).

(7) PUBLIC LAND ORDER.—The term "Public Land Order" means Public Land Order 833, dated May 21, 1952 (17 Fed. Reg. 4822).

(8) SECRETARY.—The term "Secretary" means the Secretary of the Interior.

(9) STATE.—The term "State" means the State of New Mexico.

(b) WHITE SANDS NATIONAL PARK.—

(1) FINDINGS.—Congress finds that—

(A) White Sands National Monument was established on January 18, 1933, by President Herbert Hoover under chapter 3203 of title 54, United States Code (commonly known as the "Antiquities Act of 1906");

(B) President Hoover proclaimed that the Monument was established "for the preservation of the white sands and additional features of scenic, scientific, and educational interest";

(C) the Monument was expanded by Presidents Roosevelt, Eisenhower, Carter, and Clinton in 1934, 1942, 1953, 1978, and 1996, respectively;

(D) 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;

(E) 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;

(F) the Monument contributes significantly to the local economy by attracting tourists; and

(G) 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.

(2) ESTABLISHMENT OF WHITE SANDS NATIONAL PARK.—

(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 in the State the White Sands National Park as a unit of the National Park System.

(B) ABOLISHMENT OF WHITE SANDS NATIONAL MONUMENT.—

(i) ABOLISHMENT.—Due to the establishment of the Park, the Monument is abolished.

(ii) INCORPORATION.—The land and interests in land that comprise the Monument are incorporated in, and shall be considered to be part of, the Park.

(C) REFERENCES.—Any reference in a law, map, regulation, document, paper, or other record of the United States to the "White Sands National Monument" shall be considered to be a reference to the "White Sands National Park".

(D) AVAILABILITY OF FUNDS.—Any funds available for the Monument shall be available for the Park.

(E) ADMINISTRATION.—The Secretary shall administer the Park in accordance with—

(i) this subsection; and

(ii) 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.

(F) WORLD HERITAGE LIST NOMINATION.—

(i) COUNTY CONCURRENCE.—The Secretary shall not submit a nomination for the Park to be included on the World Heritage List of the United Nations Educational, Scientific and Cultural Organization unless each county in which the Park is located concurs in the nomination.

(ii) ARMY NOTIFICATION.—Before submitting a nomination for the Park to be included on the World Heritage List of the United Nations Educational, Scientific and Cultural Organization, the Secretary shall notify the Secretary of the Army of the intent of the Secretary to nominate the Park.

(G) EFFECT.—Nothing in this paragraph affects—

(i) valid existing rights (including water rights);

(ii) permits or contracts issued by the Monument;

(iii) existing agreements, including agreements with the Department of Defense;

(iv) the jurisdiction of the Department of Defense regarding the restricted airspace above the Park; or

(v) the airshed classification of the Park under the Clean Air Act (42 U.S.C. 7401 et seq.).

(c) MODIFICATION OF BOUNDARIES OF WHITE SANDS NATIONAL PARK AND WHITE SANDS MISSILE RANGE.—

(1) TRANSFERS OF ADMINISTRATIVE JURISDICTION.—

(A) TRANSFER OF ADMINISTRATIVE JURISDICTION TO THE SECRETARY.—

(i) IN GENERAL.—Administrative jurisdiction over the land described in clause (ii) is transferred from the Secretary of the Army to the Secretary.

(ii) DESCRIPTION OF LAND.—The land referred to in clause (i) is—

(I) the approximately 2,826 acres of land identified as "To NPS, lands inside current boundary" on the Map; and

(II) 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.—

(i) IN GENERAL.—Administrative jurisdiction over the land described in clause (ii) is transferred from the Secretary to the Secretary of the Army.

(ii) DESCRIPTION OF LAND.—The land referred to in clause (i) is the approximately 3,737 acres of land identified as "To DOA" on the Map.

(2) BOUNDARY MODIFICATIONS.—

(A) PARK.—

(i) IN GENERAL.—The boundary of the Park is revised to reflect the boundary depicted on the Map.

(ii) MAP.—

(I) IN GENERAL.—The Secretary, in coordination with the Secretary of

the Army, shall prepare and keep on file for public inspection in the appropriate office of the Secretary a map and a legal description of the revised boundary of the Park.

(II) EFFECT.—The map and legal description under subclause (I) shall have the same force and effect as if included in this section, except that the Secretary may correct clerical and typographical errors in the map and legal description.

(iii) BOUNDARY SURVEY.—As soon as practicable after the date of the establishment of the Park and subject to the availability of funds, the Secretary shall complete an official boundary survey of the Park.

(B) MISSILE RANGE.—

(i) IN GENERAL.—The boundary of the missile range and the Public Land Order are modified to exclude the land transferred to the Secretary under paragraph (1)(A) and to include the land transferred to the

Secretary of the Army under paragraph (1)(B).

(ii) MAP.—The Secretary shall prepare a map and legal description depicting the revised boundary of the missile range.

(C) CONFORMING AMENDMENT.—Section 2854 of Public Law 104–201 (54 U.S.C. 320301 note) is repealed.

(3) ADMINISTRATION.—

(A) PARK.—The Secretary shall administer the land transferred under paragraph (1)(A) in accordance with laws (including regulations) applicable to the Park.

(B) MISSILE RANGE.—Subject to subparagraph (C), the Secretary of the Army shall administer the land transferred to the Secretary of the Army under paragraph (1)(B) as part of the missile range.

(C) INFRASTRUCTURE; RESOURCE MANAGEMENT.—

(i) RANGE ROAD 7.—

(I) INFRASTRUCTURE MANAGEMENT.—To the maximum extent practicable, in planning, constructing, and managing infrastructure on the land

described in subclause (III), the Secretary of the Army shall apply low-impact development techniques and strategies to prevent impacts within the missile range and the Park from stormwater runoff from the land described in that subclause.

(II) RESOURCE MANAGEMENT.—The Secretary of the Army shall—

(aa) manage the land described in subclause (III) in a manner consistent with the protection of natural and cultural resources within the missile range and the 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

(bb) include the land described in subclause (III) in the

integrated natural and cultural resource management plan for the missile range.

(III) DESCRIPTION OF LAND.—The land referred to in subclauses (I) and (II) is the land that is transferred to the administrative jurisdiction of the Secretary of the Army under paragraph (1)(B) and located in the area east of Range Road 7 in—

(aa) T. 17 S., R. 5 E., sec. 31;

(bb) T. 18 S., R. 5 E.; and

(cc) T. 19 S., R. 5 E., sec. 5.

(ii) FENCE.—

(I) IN GENERAL.—The Secretary of the Army shall continue to allow the Secretary to maintain the fence shown on the Map until such time as the Secretary determines that the fence is unnecessary for the management of the Park.

(II) REMOVAL.—If the Secretary determines that the fence is unnecessary for the management of the Park

under subclause (I), the Secretary shall promptly remove the fence at the expense of the Department of the Interior.

(D) RESEARCH.—The Secretary of the Army and the Secretary may enter into an agreement to allow the Secretary to conduct certain research in the area identified as "Cooperative Use Research Area" on the Map.

(E) MILITARY MUNITIONS AND MUNITIONS DEBRIS.—

(i) RESPONSE ACTION.—With respect to any Federal liability, the Secretary of the Army shall remain responsible for any response action addressing military munitions or munitions debris on the land transferred under paragraph (1)(A) to the same extent as on the day before the date of enactment of this Act.

(ii) INVESTIGATION OF MILITARY MUNITIONS AND MUNITIONS DEBRIS.—

(I) IN GENERAL.—The Secretary may request that the Secretary of the Army conduct 1 or more investigations of military munitions or munitions de-

bris on any land transferred under paragraph (1)(A).

(II) ACCESS.—The Secretary shall give access to the Secretary of the Army to the land covered by a request under subclause (I) for the purposes of conducting the 1 or more investigations under that subclause.

(III) LIMITATION.—An investigation conducted under this clause shall be subject to available appropriations.

(iii) APPLICABLE LAW.—Any activities undertaken under this subparagraph shall be carried out in accordance with—

(I) the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601 et seq.);

(II) the purposes for which the Park was established; and

(III) any other applicable law.

SEC. 2837. AUTHORITY TO TRANSFER FUNDS FOR CONSTRUCTION OF INDIAN RIVER BRIDGE.

Notwithstanding the limitation in section 2215 of title 10, United States Code, the Secretary of Defense may trans-

fer to the Administrator of the National Aeronautics and Space Administration up to 50 percent of the shared costs of constructing the Indian River Bridge. The authority under this section shall expire on October 1, 2022.

TITLE XXIX—OVERSEAS CONTINGENCY OPERATIONS MILITARY CONSTRUCTION

SEC. 2901. AUTHORIZED ARMY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of the Army may acquire real property and carry out the military construction projects for the installation outside the United States, and in the amount, set forth in the following table:

Army: Outside the United States

Country	*Location*	*Amount*
Bulgaria	*Nevo Selo FOS*	*$5,200,000*
Poland	*Drawsko Pomorski Training Area*	*$17,000,000*
	Powidz Air Base	*$87,000,000*
	Zagan Training Area	*$40,400,000*
Romania	*Mihail Kogalniceanu FOS*	*$21,651,000*

SEC. 2902. AUTHORIZED NAVY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

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:

Navy: Outside the United States

Country	*Location*	*Amount*
Greece	*Souda Bay*	*$47,850,000*
Italy	*Sigonella*	*$66,050,000*

***Navy: Outside the United States**—Continued*

Country	*Location*	*Amount*
Spain	*Rota*	*$21,590,000*
United Kingdom	*Lossiemouth*	*$79,130,000*

1 ***SEC. 2903. AUTHORIZED AIR FORCE CONSTRUCTION AND***
2 ***LAND ACQUISITION PROJECTS.***

3 *The Secretary of the Air Force may acquire real prop-*
4 *erty and carry out the military construction projects for*
5 *the installations outside the United States, and in the*
6 *amounts, set forth in the following table:*

Air Force: Outside the United States

Country	*Location*	*Amount*
Germany	*Ramstein Air Base*	*$119,000,000*
Norway	*Rygge*	*$13,800,000*
Slovakia	*Malacky*	*$59,000,000*
United Kingdom	*RAF Fairford*	*$106,000,000*

7 ***SEC. 2904. AUTHORIZED DEFENSE AGENCIES CONSTRUC-***
8 ***TION AND LAND ACQUISITION PROJECTS.***

9 *The Secretary of Defense may acquire real property*
10 *and carry out the military construction projects for the in-*
11 *stallations outside the United States, and in the amounts,*
12 *set forth in the following table:*

Defense Agencies: Outside the United States

Country	*Location*	*Amount*
Estonia	*Unspecified*	*$15,700,000*
Qatar	*Al Udeid*	*$60,000,000*

13 ***SEC. 2905. AUTHORIZATION OF APPROPRIATIONS.***

14 *Funds are hereby authorized to be appropriated for fis-*
15 *cal years beginning after September 30, 2018, for the mili-*
16 *tary construction projects outside the United States author-*

ized by this title as specified in the funding table in section 4601.

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

TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

Subtitle A—National Security Programs and Authorizations

SEC. 3101. NATIONAL NUCLEAR SECURITY ADMINISTRATION.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2019 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 may carry out new plant projects for the National Nuclear Security Administration as follows:

Project 19–D–670, 138kV Power Transmission System Replacement, Nevada National Security Site, Nevada, $6,000,000.

Project 19–D–660, Lithium Production Capability, Y–12 National Security Complex, Oak Ridge, Tennessee, $19,000,000.

Project 19–D–930, KS Overhead Piping, Kesselring Site, West Milton, New York, $10,994,000.

SEC. 3102. DEFENSE ENVIRONMENTAL CLEANUP.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2019 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 2019 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 2019 for nuclear energy as specified in the funding table in section 4701.

Subtitle B—Program Authorizations, Restrictions, and Limitations

SEC. 3111. CLARIFICATION OF ROLES AND AUTHORITIES OF NATIONAL NUCLEAR SECURITY ADMINISTRATION.

(a) AMENDMENTS TO DEPARTMENT OF ENERGY ORGANIZATION ACT.—

(1) UNDER SECRETARY FOR NUCLEAR SECURITY.—Section 202(c)(3) of the Department of Energy Organization Act (42 U.S.C. 7132(c)(3)) is amended by striking "Act." and all that follows through "may be delegated" and inserting the following: "Act (50 U.S.C. 2402). In carrying out the functions of the Administrator, the Under Secretary shall be subject to the authority of the Secretary in accordance with section 3219 of that Act (50 U.S.C. 2409). Such authority may be delegated".

(2) ESTABLISHMENT OF POLICY.—Section 213 of the Department of Energy Organization Act (42 U.S.C. 7144) is amended—

(A) in subsection (a), by inserting ", acting through the Under Secretary for Nuclear Security," after "The Secretary";

(B) in subsection (b)—

(i) by striking "programs and activities of the Administration" and inserting "regulations, policies, and activities of the Administration with respect to health and safety"; and

(ii) by striking "those programs and activities" and inserting "those regulations, policies, and activities"; and

(C) by striking subsection (c).

(b) AMENDMENTS TO NATIONAL NUCLEAR SECURITY ADMINISTRATION ACT.—

(1) ADMINISTRATOR FOR NUCLEAR SECURITY.—Section 3212 of the National Nuclear Security Administration Act (50 U.S.C. 2402) is amended—

(A) in subsection (b)—

(i) in the matter preceding paragraph (1), by striking "and activities" and inserting ", policies, regulations, and rules"; and

(ii) in paragraph (9), by striking the end period and inserting ", subject to the policies of the Department of Energy."; and

(B) in subsection (d)—

(i) by striking "may" and inserting "shall"; and

(ii) by striking ", unless disapproved by the Secretary of Energy" and inserting "to carry out the mission and functions of the Administration, except as provided by section 3219".

(2) GENERAL COUNSEL.—Section 3217 of the National Nuclear Security Administration Act (50 U.S.C. 2407) is amended—

(A) by striking "There is" and inserting the following:

"(a) IN GENERAL.—There is";

(B) by striking the end period and inserting "and shall report to the Administrator."; and

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

"(b) AVOIDANCE OF COORDINATION AND DUPLICATION.—The General Counsel shall be independent from and may not duplicate the efforts of the General Counsel of the Department of Energy appointed under section 202(e) of the Department of Energy Organization Act (42 U.S.C. 7132(e)).".

(3) STAFF.—Section 3218 of the National Nuclear Security Administration Act (50 U.S.C. 2408) is amended by adding at the end the following new subsections:

"(c) REPORTING.—The staff of the Administration shall report to the Administrator through the appropriate structures of the Administration.

"(d) AVOIDANCE OF COORDINATION AND DUPLICATION.—The staff of the Administration performing functions specified in subsection (b) shall be independent from and may not duplicate the efforts of staff of elements of the Department of Energy other than the Administration that perform functions similar to the functions specified in subsection (b).

"(e) APPLICABILITY OF PROHIBITION ON DUAL OFFICE HOLDING.—The prohibition under section 3220(d) shall apply to staff of the Administration performing functions specified in subsection (b).".

(4) AUTHORITY OF SECRETARY.—

(A) IN GENERAL.—Section 3219 of the National Nuclear Security Administration Act (50 U.S.C. 2409) is amended—

*(i) in the section heading, by striking "**TO MODIFY ORGANIZATION OF**" and inserting "**WITH RESPECT TO**";*

(ii) by striking "Notwithstanding" and inserting the following:

"(a) IN GENERAL.—(1) The Secretary of Energy, acting through the Administrator, shall be responsible for setting broad priorities for the Administration.

"(2) The Secretary may disapprove any action, policy, regulation, or rule of the Administrator if—

"(A) the Secretary submits to the congressional defense committees justification for such disapproval; and

"(B) a period of 15 days has elapsed following the date on which such justification was submitted.

"(3) Except as provided by this section, the Administrator shall have complete authority to establish and conduct oversight of policies, activities, and procedures of the Administration without direction or oversight by the Secretary.

"(4) The authority of the Secretary under paragraphs (1) and (2) may be delegated only to the Deputy Secretary of Energy, without further redelegation.

"(b) ORGANIZATION OF ADMINISTRATION.—Notwithstanding"; and

(iii) in subsection (b), as designated by clause (ii), by striking "subsection (b) or (c) of".

(B) CLERICAL AMENDMENT.—The table of contents for the National Nuclear Security Ad-

ministration Act is amended by striking the item relating to section 3219 and inserting the following new item:

"Sec. 3219. Scope of authority of Secretary of Energy with respect to Administration.".

(5) STATUS OF PERSONNEL.—Section 3220 of the National Nuclear Security Administration Act (50 U.S.C. 2410) is amended—

(A) in subsection (a)—

(i) in paragraph (1)—

(I) by striking subparagraph (A); and

(II) by redesignating subparagraphs (B) and (C) as subparagraphs (A) and (B), respectively; and

(ii) in paragraph (2), by striking the end period and inserting ", except as provided by section 3219."; and

(B) in subsection (b), by striking the end period and inserting "and except as provided by section 3219.".

(6) OFFICE OF DEFENSE NUCLEAR SECURITY.—Section 3232 of the National Nuclear Security Administration Act (50 U.S.C. 2422) is amended—

(A) in subsection (a), by striking "Secretary of Energy" and all that follows and inserting "Administrator."; and

(B) in subsection (b)—

(i) in paragraph (1), by striking "Secretary and"; and

(ii) in paragraph (2)—

(I) by striking "Secretary" and inserting "Secretary of Energy"; and

(II) by striking "Department" and inserting "Department of Energy".

(7) COUNTERINTELLIGENCE PROGRAMS.—Section 3233 of the National Nuclear Security Administration Act (50 U.S.C. 2423) is amended—

(A) in subsection (a), by inserting ", in coordination with the Administrator," after "Secretary of Energy"; and

(B) in subsection (b), by inserting ", in coordination with the Administrator," after "Secretary of Energy".

(8) AUTHORIZED PERSONNEL LEVELS.—

(A) IN GENERAL.—Section 3241A of the National Nuclear Security Administration Act (50 U.S.C. 2441a) is amended—

*(i) in the section heading, by striking "**AUTHORIZED**" and inserting "**ANNUAL REPORT ON**";*

(ii) by amending subsection (a) to read as follows:

"(a) IN GENERAL.—The Administrator shall include in the budget justification materials submitted to Congress in support of the budget of the Administration for each fiscal year (as submitted with the budget of the President under section 1105(a) of title 31, United States Code) a report containing the following information as of the date of the report:

"(1) The number of full-time equivalent employees of the Office of the Administrator.

"(2) The number of service support contracts of the Administration and whether such contracts are funded using program or program direction funds.

"(3) The number of full-time equivalent contractor employees working under each contract identified under paragraph (2).

"(4) The number of full-time equivalent contractor employees described in paragraph (3) that have been employed under such a contract for a period greater than two years.

"(5) With respect to each contract identified under paragraph (2)—

"(A) the cost of the contract; and

"(B) identification of the program or program direction accounts that support the contract.";

(iii) by striking subsection (c);

(iv) by redesignating subsections (d) and (e) as subsections (c) and (d), respectively; and

(v) by striking subsection (f).

(B) CLERICAL AMENDMENT.—The table of contents for the National Nuclear Security Administration Act is amended by striking the item relating to section 3241A and inserting the following new item:

"Sec. 3241A. Annual report on personnel levels of the Office of the Administrator.".

(9) COMPLIANCE WITH FEDERAL ACQUISITION REGULATION.—Section 3262 of the National Nuclear Security Administration Act (50 U.S.C. 2462) is amended—

(A) by striking "The Administrator" and inserting the following:

"(a) IN GENERAL.—The Administrator";

(B) by inserting "specific to the Administration" after "procedures"; and

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

"(b) REQUIREMENT FOR PROCEDURES.—The procedures established under subsection (a) shall be separate from procedures applied to elements of the Department of Energy other than the Administration.".

(10) DEFINITIONS.—Section 3281(2)(A) of the National Nuclear Security Administration Act (50 U.S.C. 2471(2)(A)) is amended by striking "Plant" and inserting "National Security Campus".

(c) AMENDMENTS TO ATOMIC ENERGY DEFENSE ACT.—

(1) DEFINITIONS.—Section 4002(9)(A) of the Atomic Energy Defense Act (50 U.S.C. 2501(9)(A)) is amended striking "Plant" and inserting "National Security Campus".

(2) STOCKPILE STEWARDSHIP PROGRAM.—Section 4201(a) of the Atomic Energy Defense Act (50 U.S.C. 2521(a)) is amended by striking "The Secretary, acting through the Administrator," and inserting "The Administrator".

(3) STOCKPILE STEWARDSHIP CRITERIA.—Section 4202 of the Atomic Energy Defense Act (50 U.S.C. 2522) is amended—

(A) in subsection (a)—

(i) by striking "Secretary of Energy" and inserting "Administrator"; and

(ii) by striking "Department of Energy" and inserting "Administration"; and

(B) in subsection (b)—

(i) in the subsection heading, by striking "SECRETARY" and inserting "DEPARTMENT";

(ii) by striking "Secretary of Energy" and inserting "Administrator"; and

(iii) by striking "Secretary of Defense" and inserting "Chairman of the Nuclear Weapons Council".

(4) STOCKPILE STEWARDSHIP, MANAGEMENT, AND RESPONSIVENESS PLAN.—Section 4203 of the Atomic Energy Defense Act (50 U.S.C. 2523) is amended—

(A) in subsection (d)(4)(A)(ii), by striking "quadrennial defense review if such strategy has not been submitted as of the date of the plan" and inserting "national defense strategy";

(B) in subsection (e)(1)(A)(i), by striking "or the most recent quadrennial defense review, as applicable under subsection (d)(4)(A), and the" and inserting ", the national defense strategy, and the most recent"; and

(C) in subsection (f)—

(i) by striking paragraph (4);

(ii) by redesignating paragraph (3) as paragraph (4); and

(iii) by inserting after paragraph (2) the following new paragraph (3):

"(3) The term 'national defense strategy' means the review of the defense programs and policies of the United States that is carried out every four years under section 113(g) of title 10, United States Code.".

(5) STOCKPILE MANAGEMENT PROGRAM.—Section 4204 of the Atomic Energy Defense Act (50 U.S.C. 2524) is amended—

(A) in subsection (a), in the matter preceding paragraph (1), by striking "Secretary of Energy, acting through the Administrator and in consultation with the Secretary of Defense" and inserting "Administrator, in consultation with the Nuclear Weapons Council"; and

(B) in subsection (b), in the matter preceding paragraph (1), by striking "Secretary of Energy" and inserting "Administrator".

(6) NUCLEAR TEST BAN READINESS PROGRAM.—Section 4207 of the Atomic Energy Defense Act (50 U.S.C. 2527) is amended, in subsections (a) and (c), by striking "Secretary of Energy" and inserting "Administrator".

(7) REQUIREMENTS FOR SPECIFIC REQUEST FOR NEW OR MODIFIED NUCLEAR WEAPONS.—Section 4209 of the Atomic Energy Defense Act (50 U.S.C. 2529) is amended—

(A) in subsection (a)(1)—

(i) by striking "Secretary of Energy" and inserting "Administrator";

(ii) by striking "Secretary" and inserting "Administrator"; and

(iii) by striking "in the budget" and all that follows and inserting "in the budget justification materials submitted to Congress in support of the Department of Energy budget for that fiscal year (as submitted with the budget of the President under section 1105(a) of title 31, United States Code).";

(B) in subsection (b), by striking "The Secretary shall include in a request for funds under subsection (a)" and inserting "A request for funds under subsection (a) shall include"; and

(C) in subsection (c), by striking "Secretary" and inserting "Secretary of Energy".

(8) MANUFACTURING INFRASTRUCTURE FOR NUCLEAR WEAPONS STOCKPILE.—Section 4212 of the Atomic Energy Defense Act (50 U.S.C. 2532) is amended—

(A) in subsection (a)(1), in the matter preceding subparagraph (A)—

(i) by striking "Secretary of Energy" and inserting "Administrator"; and

(ii) by inserting "most recent" before "Nuclear Posture Review"; and

(B) in subsection (b)—

(i) in paragraph (2), by striking "Plant" and inserting "National Security Complex"; and

(ii) in paragraph (4), by striking "Plant" and inserting "National Security Campus".

(9) REPORTS ON LIFE EXTENSION PROGRAMS.—

(A) IN GENERAL.—Section 4216 of the Atomic Energy Defense Act (50 U.S.C. 2536) is amended—

*(i) in the section heading, by striking "**LIFETIME**" and inserting "**LIFE**"; and*

(ii) by striking "lifetime" each place it appears and inserting "life".

(B) CLERICAL AMENDMENT.—The table of contents for the Atomic Energy Defense Act is amended by striking the item relating to section 4216 and inserting the following new item:

"Sec. 4216. Reports on life extension programs.".

(10) SELECTED ACQUISITION REPORTS.—Section 4217 of the Atomic Energy Defense Act (50 U.S.C. 2537) is amended—

(A) in subsection (a)(1), by striking "the Secretary of Energy, acting through the Administrator," and inserting "the Administrator"; and

(B) in subsection (b)—

(i) in paragraph (1), in the matter preceding subparagraph (A), by striking "Secretary of Energy, acting through the Administrator," and inserting "Administrator"; and

(ii) in paragraph (2)(B), by striking "the Secretary or".

(11) ADVICE ON SAFETY, SECURITY, AND RELIABILITY OF NUCLEAR WEAPONS STOCKPILE.—Section 4218 of the Atomic Energy Defense Act (50 U.S.C. 2538) is amended—

(A) in subsection (d), by striking "or the Commander of the United States Strategic Command"; and

(B) in subsection (e)—

(i) by striking ", a member of the Nuclear Weapons Council, or the Commander of the United States Strategic Command" and inserting "or a member of the Nuclear Weapons Council"; and

(ii) by striking "member, or Commander" and inserting "or member".

(12) STOCKPILE RESPONSIVENESS PLAN.—Section 4220(b) of the Atomic Energy Defense Act (50 U.S.C. 2538b(b)) is amended—

(A) by striking "Secretary of Energy, acting through the Administrator and" and inserting "Administrator,"; and

(B) by striking "Secretary of Defense" and inserting "Nuclear Weapons Council".

(13) TRITIUM PRODUCTION PROGRAM.—Section 4231 of the Atomic Energy Defense Act (50 U.S.C. 2541) is amended—

(A) in subsection (a), by striking "Secretary of Energy" and inserting "Administrator"; and

(B) in subsections (b) and (c), by striking "Secretary" and inserting "Administrator".

(14) MODERNIZATION AND CONSOLIDATION OF TRITIUM RECYCLING FACILITIES.—Section 4234 of the Atomic Energy Defense Act (50 U.S.C. 2544) is amended, in the matter preceding paragraph (1), by striking "Secretary of Energy" and inserting "Administrator".

(15) PROCEDURES FOR MEETING TRITIUM PRODUCTION REQUIREMENTS.—Section 4235 of the Atomic Energy Defense Act (50 U.S.C. 2545) is amended—

(A) in subsection (a), by striking "Secretary of Energy" and inserting "Administrator";

(B) in subsection (b), by striking "Secretary" and inserting "Administrator"; and

(C) by striking subsection (c).

(16) CERTIFICATION OF STATUS OF SECURITY OF FACILITIES.—Section 4506 of the Atomic Energy Defense Act (50 U.S.C. 2657) is amended—

(A) in subsection (a)—

(i) in paragraph (1)—

(I) in the matter preceding subparagraph (A)—

(aa) by striking "September 30" and inserting "December 31"; and

(bb) by striking "Secretary of Energy" and inserting "congressional defense committees"; and

(II) in subparagraph (B), by striking "and the Department of Energy";

(ii) in paragraph (2), by striking "to the Secretary"; and

(iii) by striking paragraph (3); and

(B) in subsection (b)(1), in the matter preceding subparagraph (A), by striking "December 1 of each even-numbered year, the Secretary" and inserting "December 31 of each even-numbered year, the Secretary of Energy".

(17) CERTIFICATES OF COMMENDATION FOR EXEMPLARY SERVICE.—

(A) IN GENERAL.—Section 4605 of the Atomic Energy Defense Act (50 U.S.C. 2705) is amended—

*(i) in the section heading, by striking "**DEPARTMENT OF ENERGY**" and inserting "**ADMINISTRATION**";*

(ii) in subsection (a)—

(I) by striking "Department of Energy" and inserting "Administration";

(II) by striking "a Department" and inserting "an Administration"; and

(III) by striking "the Department" each place it appears and inserting "the Administration"; and

(iii) in subsection (c)—

(I) in the subsection heading, by striking "DEPARTMENT OF ENERGY" and inserting "ADMINISTRATION"; and

(II) by striking "Department of Energy" each place it appears and inserting "Administration".

(B) CLERICAL AMENDMENT.—The table of contents for the Atomic Energy Defense Act is amended by striking the item relating to section 4605 and inserting the following:

"Sec. 4605. Authority to provide certificate of commendation to Administration and contractor employees for exemplary service in stockpile stewardship and security.".

(18) EXECUTIVE MANAGEMENT TRAINING.—Section 4621 of the Atomic Energy Defense Act (50 U.S.C. 2721) is amended—

(A) in subsection (a)—

(i) by inserting "and the Administrator" after "Secretary of Energy"; and

(ii) by inserting "and the Administration" after "Department of Energy"; and

(B) in subsection (b)(1), by inserting "and Administration" after "Department of Energy".

(19) STOCKPILE STEWARDSHIP RECRUITMENT AND TRAINING PROGRAM.—Section 4622 of the Atomic Energy Defense Act (50 U.S.C. 2722) is amended—

(A) in subsection (a), by striking "Secretary of Energy" and inserting "Administrator"; and

(B) in subsection (c), by striking "Secretary" and inserting "Administrator".

(20) FELLOWSHIP PROGRAM.—Section 4623 of the Atomic Energy Defense Act (50 U.S.C. 2723) is amended—

(A) in subsection (a)—

(i) by striking "Secretary of Energy" and inserting "Administrator"; and

(ii) by striking "Secretary" and inserting "Administrator";

(B) in subsection (b)(1), by striking "Department of Energy" and inserting "Administration";

(C) in subsections (c) and (d), by striking "Secretary" and inserting "Administrator";

(D) in subsection (e), by striking "Secretary" and all that follows through "Defense Programs," and inserting "Administrator shall"; and

(E) in subsection (f)—

(i) in paragraph (1), by striking "Secretary" and inserting "Administrator"; and

(ii) in paragraph (2), by striking "Secretary of Energy" and inserting "Administrator".

(21) TRANSFER OF WEAPONS ACTIVITIES FUNDS.—Section 4711 of the Atomic Energy Defense Act (50 U.S.C. 2751) is amended—

(A) in subsection (a)—

(i) by striking "Secretary of Energy" and inserting "Administrator"; and

(ii) by striking "Department of Energy" and inserting "Administration";

(B) in subsection (d), by striking "Secretary, acting through the Administrator," and inserting "Administrator"; and

(C) in subsection (e)(1)—

(i) by striking "Department of Energy" and inserting "Administration"; and

(ii) by striking "Department" and inserting "Administration".

(22) NOTIFICATION OF COST OVERRUNS.—Section 4713(c)(2)(B) of the Atomic Energy Defense Act (50 U.S.C. 2753(c)(2)(B)) is amended by inserting "or the Administration" after "Department of Energy".

(23) LIFE-CYCLE COST ESTIMATES.—Section 4714(a) of the Atomic Energy Defense Act (50 U.S.C. 2754(a)) is amended—

(A) by striking "413.3" and inserting "413.3B"; and

(B) by inserting ", or a successor order," after "assets)".

(24) UNFUNDED PRIORITIES.—

*(A) IN GENERAL.—Section 4716 of the Atomic Energy Defense Act (50 U.S.C. 2756) is amended in the section heading by striking "**NA-***

1 ***TIONAL NUCLEAR SECURITY ADMINISTRA-***
2 ***TION****" and inserting "****ADMINISTRATION****".*
3 *(B) CLERICAL AMENDMENT.—The table of*
4 *contents for the Atomic Energy Defense Act is*
5 *amended by striking the item relating to section*
6 *4716 and inserting the following new item:*

"Sec. 4716. Unfunded priorities of the Administration.".

7 *(25) REVIEWS OF CAPITAL ASSETS ACQUISITION*
8 *PROJECTS.—Section 4733(d)(3)(B) of the Atomic En-*
9 *ergy Defense Act (50 U.S.C. 2773(d)(3)(B)) is amend-*
10 *ed by striking "413.3" and inserting "413.3B".*
11 *(26) LABORATORY-DIRECTED RESEARCH AND DE-*
12 *VELOPMENT PROGRAMS.—Section 4811 of the Atomic*
13 *Energy Defense Act (50 U.S.C. 2791) is amended—*
14 *(A) in subsection (a), by inserting "or the*
15 *Administration" after "Department of Energy";*
16 *(B) in subsection (b)—*
17 *(i) by striking "The Secretary" and*
18 *inserting "(1) Except as provided by para-*
19 *graph (2), the Secretary";*
20 *(ii) by striking "such laboratories" and*
21 *inserting "government-owned, contractor-*
22 *operated laboratories funded out of funds*
23 *available to the Department of Energy";*
24 *and*

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

"(2) The Administrator shall prescribe regulations for the conduct of laboratory-directed research and development at government-owned, contractor-operated laboratories funded out of funds available to the Administration."; and

(C) in subsection (c)—

(i) by inserting "or the Administration" after "Department of Energy"; and

(ii) by inserting "or the Administrator, as applicable," after "Secretary".

(27) REPORT ON USE OF FUNDS FOR RESEARCH AND DEVELOPMENT.—Section 4812A of the Atomic Energy Defense Act (50 U.S.C. 2793) is amended—

(A) in subsection (a)—

(i) in the subsection heading, by striking "REQUIRED" and inserting "OF SECRETARY OF ENERGY"; and

(ii) in the second sentence, by striking "national security mission of the Department of Energy" and inserting "defense environmental cleanup and other defense missions of the Department of Energy (other than the national security mission of the Administration)";

(B) by redesignating subsections (b) and (c) as subsections (c) and (d), respectively; and

(C) by inserting after subsection (a) the following new subsection (b):

"(b) REPORT OF ADMINISTRATOR.—The Administrator shall submit to the congressional defense committees, with the report of the Secretary required by subsection (a), a report on the funds expended during the preceding fiscal year on activities under the laboratory-directed research and development program of the Administration. The purpose of the report is to permit an assessment of the extent to which such activities support the national security mission of the Administration.".

SEC. 3112. NATIONAL NUCLEAR SECURITY ADMINISTRATION PERSONNEL SYSTEM.

(a) IN GENERAL.—Subtitle C of the National Nuclear Security Administration Act (50 U.S.C. 2441 et seq.) is amended by adding at the end the following new section:

"SEC. 3248. ALTERNATIVE PERSONNEL SYSTEM.

"(a) IN GENERAL.—The Administrator may adapt the pay banding and performance-based pay adjustment demonstration project carried out by the Administration under the authority provided by section 4703 of title 5, United States Code, into a permanent alternative personnel system for the Administration (to be known as the 'National Nu-

clear Security Administration Personnel System') and implement that system with respect to employees of the Administration.

"(b) MODIFICATIONS.—In adapting the demonstration project described in subsection (a) into a permanent alternative personnel system, the Administrator—

"(1) may, subject to paragraph (2), revise the requirements and limitations of the demonstration project to the extent necessary; and

"(2) shall—

"(A) ensure that the permanent alternative personnel system is carried out in a manner consistent with the final plan for the demonstration project published in the Federal Register on December 21, 2007 (72 Fed. Reg. 72776);

"(B) ensure that significant changes in the system not take effect until revisions to the plan for the demonstration project are approved by the Office of Personnel Management and published in the Federal Register;

"(C) ensure that procedural modifications or clarifications to the final plan for the demonstration project be made through local notification processes;

"(D) authorize, and establish incentives for, employees of the Administration to have rotational assignments among different programs of the Administration, the headquarters and field offices of the Administration, and the management and operating contractors of the Administration; and

"(E) establish requirements for employees of the Administration who are in the permanent alternative personnel system described in subsection (a) to be promoted to senior-level positions in the Administration, including requirements with respect to—

"(i) professional training and continuing education; and

"(ii) a certain number and types of rotational assignments under subparagraph (D), as determined by the Administrator.

"(c) APPLICATION TO NAVAL NUCLEAR PROPULSION PROGRAM.—The Director of the Naval Nuclear Propulsion Program established pursuant to section 4101 of the Atomic Energy Defense Act (50 U.S.C. 2511) and section 3216 of this Act may, with the concurrence of the Secretary of the Navy, apply the alternative personnel system under subsection (a) to—

"(1) all employees of the Naval Nuclear Propulsion Program in the competitive service (as defined in section 2102 of title 5, United States Code); and

"(2) all employees of the Department of Navy who are assigned to the Naval Nuclear Propulsion Program and are in the excepted service (as defined in section 2103 of title 5, United States Code) (other than such employees in statutory excepted service systems).".

(b) BRIEFING.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Administrator for Nuclear Security shall provide a briefing to the appropriate congressional committees on the implementation of section 3248 of the National Nuclear Security Administration Act, as added by subsection (a).

(2) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term "appropriate congressional committees" means—

(A) the congressional defense committees;

(B) the Committee on Energy and Natural Resources of the Senate and the Committee on Energy and Commerce of the House of Representatives; and

(C) the Committee on Homeland Security and Governmental Affairs of the Senate and the Committee on Oversight and Government Reform of the House of Representatives.

(c) CONFORMING AMENDMENTS.—Section 3116 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended—

(1) by striking subsection (a);

(2) by redesignating subsections (b), (c), and (d) as subsections (a), (b), and (c), respectively; and

(3) in paragraph (1) of subsection (c), as so redesignated—

(A) in subparagraph (A), by striking "implementation of" and all that follows through "subsection (b)" and inserting "implementation of subsection (a)"; and

(B) in subparagraph (B), by striking "subsection (c)" and inserting "subsection (b)".

(d) CLERICAL AMENDMENT.—The table of contents for the National Nuclear Security Administration Act is amended by inserting after the item relating to section 3247 the following new item:

"Sec. 3248. Alternative personnel system.".

SEC. 3113. AMENDMENTS TO THE ATOMIC ENERGY ACT OF 1954.

(a) CONSULTATIONS.—Section 57 b.(2) of the Atomic Energy Act of 1954 (42 U.S.C. 2077(b)(2)) is amended by inserting after "the Department of Defense." the following: "The Department of State, the Nuclear Regulatory Commission, the Department of Commerce, and the Department of Defense shall submit to the Secretary of Energy their comments on the determination of the Secretary under the previous sentence and any information and analysis needed to support their positions.".

(b) DELEGATION OF FUNCTIONS.—Section 161 of the Atomic Energy Act of 1954 (42 U.S.C. 2201) is amended by striking subsection n. and inserting the following new subsection n.:

"n. delegate to the General Manager or other officers of the Commission—

"(1) the functions assigned to the Commission under section 57 b. on a case-by-case basis consistent with the national security interests of the United States; and

"(2) any of the other functions assigned to the Commission under this Act except those specified in section 51, 61, 108, 123, 145 b. (with respect to the determination of those persons to whom the Commis-

sion may reveal Restricted Data in the national interest), 145 f., or 161 a.;".

(c) CIVIL PENALTIES.—Section 234 a. of the Atomic Energy Act (42 U.S.C. 2282(a)) is amended—

(1) by striking "57,"; and

(2) by striking "or (2)" and inserting "(2) violates any provision of section 57, or (3)".

(d) REPORT.—Section 3136(e)(2) of the National Defense Authorization Act for Fiscal Year 2016 (42 U.S.C. 2077a(e)(2)) is amended—

(1) in subparagraph (C), by striking "; and" and inserting a semicolon;

(2) by redesignating subparagraph (D) as subparagraph (E);

(3) by inserting after subparagraph (C) the following new subparagraph (D):

"(D) any delegation of the functions under such section 57 b. made under section 161 n.(1) of that Act, including to whom such functions were delegated;";

(4) in subparagraph (E), as redesignated by paragraph (2), by striking the period at the end and inserting "; and"; and

(5) by adding at the end the following new subparagraph:

"(F)(i) an explanation and justification of any determination under paragraph (2) of such section 57 b. that an authorization to transfer United States civil nuclear technology to a foreign country is not in the interest of the United States, and any conditions placed on such an authorization, including any such determination or conditions resulting from coordination with the Department of State, the Nuclear Regulatory Commission, the Department of Commerce, and the Department of Defense; and

"(ii) an explanation and justification of any extensions of the deadlines established under the procedures required by section 57 b.".

(e) SENSE OF CONGRESS.—It is the sense of Congress that the Secretary of Energy has the authority to impose civil penalties for violations of section 57 b.(2) of the Atomic Energy Act of 1954 (42 U.S.C. 2077(b)(2)), any rule, regulation, or order issued under that section, or any term, condition, or limitation of any license or certification issued under that section.

(f) REGULATIONS.—Not later than one year after the date of the enactment of this Act, the Secretary of Energy shall—

(1) revise the regulations of the Department of Energy to reflect the authority of the Secretary to impose civil penalties for the violations described in subsection (e); or

(2) submit to Congress a report describing—

(A) why the Secretary cannot make such revisions; and

(B) what additional amendments to law would be required to enable the Secretary to do so.

SEC. 3114. EXTENSION OF ENHANCED PROCUREMENT AUTHORITY TO MANAGE SUPPLY CHAIN RISK.

Section 4806(g)(3) of the Atomic Energy Defense Act (50 U.S.C. 2786(g)(3)) is amended by striking "four" and inserting "10".

SEC. 3115. PILOT PROGRAM ON CONDUCT BY DEPARTMENT OF ENERGY OF BACKGROUND REVIEWS FOR ACCESS BY CERTAIN INDIVIDUALS TO NATIONAL SECURITY LABORATORIES.

(a) IN GENERAL.—The Secretary of Energy shall establish a pilot program to assess the feasibility and advisability of conducting background reviews required by section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)) within the Department of Energy.

(b) REQUIREMENTS.—Under the pilot program established under subsection (a), the Secretary may admit an individual described in section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)) to a facility of a national security laboratory described in that section if, in addition to the conduct of a background review under subsection (a) with respect to that individual—

(1) the Secretary determines that the admission of that individual to that facility is in the national interest and will further science, technology, and engineering capabilities in support of the mission of the Department of Energy; and

(2) a security plan is developed and implemented to mitigate the risks associated with the admission of that individual to that facility.

(c) ROLES OF SECRETARY AND DIRECTOR OF NATIONAL INTELLIGENCE AND DIRECTOR OF FEDERAL BUREAU OF INVESTIGATION.—

(1) ROLE OF SECRETARY.—Under the pilot program under subsection (a), the Secretary shall conduct background reviews for all individuals described in section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)) seeking admission to facilities of national security laboratories described in that section. Such reviews by the Secretary shall be conducted

independent of and in addition to background reviews conducted by the Director of National Intelligence and the Director of the Federal Bureau of Investigation under that section.

(2) ROLES OF DIRECTOR OF NATIONAL INTELLIGENCE AND DIRECTOR OF FEDERAL BUREAU OF INVESTIGATION.—Notwithstanding paragraph (1), during the period during which the pilot program established under subsection (a) is being carried out, the Director of National Intelligence and the Director of the Federal Bureau of Investigation shall retain primary responsibility for the conduct of all background reviews required by section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)).

(d) TERMINATION.—The pilot program established under subsection (a) shall terminate on the date that is two years after the date of the enactment of this Act.

(e) REPORT REQUIRED.—Not later than 90 days after the date on which the pilot program established under subsection (a) terminates under subsection (d), the Secretary of Energy, in consultation with the Director of National Intelligence and the Director of the Federal Bureau of Investigation, shall submit to the appropriate congressional committees a report on the conduct of background reviews under the pilot program that includes—

(1) a comparison of the effectiveness of and timelines required for background reviews conducted by the Secretary under the pilot program and background reviews conducted by the Director of National Intelligence and the Director of the Federal Bureau of Investigation under section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)); and

(2) the number of such reviews conducted for individuals who are citizens or agents of each country on the sensitive countries list referred to in that section.

(f) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term "appropriate congressional committees" means—

(A) the Committee on Armed Services and the Select Committee on Intelligence of the Senate; and

(B) the Committee on Armed Services and the Permanent Select Committee on Intelligence of the House of Representatives.

(2) NATIONAL SECURITY LABORATORY.—The term "national security laboratory" has the meaning given that term in section 4002 of the Atomic Energy Defense Act (50 U.S.C. 2501).

SEC. 3116. EXTENSION OF AUTHORITY FOR ACCEPTANCE OF CONTRIBUTIONS FOR ACCELERATION OF REMOVAL OR SECURITY OF FISSILE MATERIALS, RADIOLOGICAL MATERIALS, AND RELATED EQUIPMENT AT VULNERABLE SITES WORLDWIDE.

Section 3132(f)(7) of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (50 U.S.C. 2569(f)(7)) is amended by striking "December 31, 2018" and inserting "December 31, 2023".

SEC. 3117. MODIFICATION OF LIMITATION ON DEVELOPMENT OF LOW-YIELD NUCLEAR WEAPONS.

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

(1) The global posture of strategic nuclear forces has changed dramatically during the 10 years preceding the date of the enactment of this Act.

(2) The Government of the Russian Federation—

(A) is violating the Treaty between the United States of America and the Union of Soviet Socialist Republics on the Elimination of their Intermediate-Range and Shorter-Range Missiles, signed at Washington December 8, 1987, and entered into force June 1, 1988 (commonly known as the "INF Treaty");

(B) is expanding its nuclear delivery systems beyond the limitations provided for under

the Treaty between the United States of America and the Russian Federation on Measures for the Further Reduction and Limitation of Strategic Offensive Arms, signed on April 8, 2010, and entered into force on February 5, 2011 (commonly known as the "New START Treaty"); and

(C) has considerable numerical advantages over the United States in tactical nuclear weapons.

(3) Congress concurs with the findings of the 2018 Nuclear Posture Review.

(4) United States nuclear forces must adjust to new strategic realities.

(b) MODIFICATION OF LIMITATION.—Section 3116(c) of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108–136; 117 Stat. 1746; 50 U.S.C. 2529 note) is amended by striking "specifically authorized by Congress" and inserting "the Secretary specifically requests funding for the development of that weapon pursuant to section 4209(a) of the Atomic Energy Defense Act (50 U.S.C. 2529(a))".

SEC. 3118. PROHIBITION ON USE OF FUNDS FOR TERMINATING ACTIVITIES AT MOX FACILITY.

(a) IN GENERAL.—None of the funds authorized to be appropriated or otherwise made available for the Depart-

ment of Energy by this Act or any other Act for any fiscal year before fiscal year 2020 may be obligated or expended—

(1) to terminate construction and project support activities at the MOX facility; or

(2) to convert the MOX facility to be used for any purpose other than its original mission.

(b) DEFINITIONS.—In this section, the terms "MOX facility" and "project support activities" have the meanings given those terms in section 3121(c) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

Subtitle C—Plans and Reports

SEC. 3121. MODIFICATIONS TO COST-BENEFIT ANALYSES FOR COMPETITION OF MANAGEMENT AND OPERATING CONTRACTS.

Section 3121 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 2175), as most recently amended by section 3135 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1207), is further amended—

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

"(a) REPORTS REQUIRED.—If the Administrator for Nuclear Security awards a new contract to manage and operate a facility of the National Nuclear Security Admin-

istration, the Administrator shall submit to the congressional defense committees a report described in subsection (b) with respect to the contract by not later than 30 days after the completion of the period required to transition to the contract.";

(2) in subsection (b)(3), by inserting ", the costs of the transition to the contract from the previous contract," after "conducting the competition"; and

(3) in subsection (d)—

(A) by amending paragraph (2) to read as follows:

"(2) COMPREHENSIVE REVIEW.—

"(A) DETERMINATION.—Except as provided in paragraph (3), the Comptroller General shall determine, in consultation with the congressional defense committees, whether to conduct a comprehensive review of a report required by subsection (a).

"(B) SUBMISSION.—The Comptroller General shall submit a comprehensive review conducted under subparagraph (A) of a report required by subsection (a) to the congressional defense committees not later than 3 years after that report is submitted to such committees.

"(C) ELEMENTS.—A comprehensive review conducted under subparagraph (A) of a report required by subsection (a) shall include an assessment, based on the most current information available, of the following:

"(i) The actual cost savings achieved compared to cost savings estimated under subsection (b)(1), and any increased costs incurred under the contract that were unexpected or uncertain at the time the contract was awarded.

"(ii) Any disruptions or delays in mission activities or deliverables resulting from the competition for the contract compared to the disruptions and delays estimated under subsection (b)(4).

"(iii) Whether expected benefits of the competition with respect to mission performance or operations have been achieved.

"(iv) Such other matters as the Comptroller General considers appropriate."; and

(B) by striking paragraph (3).

SEC. 3122. REVIEW OF DEFENSE ENVIRONMENTAL CLEANUP ACTIVITIES.

(a) IN GENERAL.—The Secretary of Energy shall enter into an arrangement with the National Academies of Sciences, Engineering, and Medicine to conduct a review of the defense environmental cleanup activities of the Office of Environmental Management of the Department of Energy.

(b) ELEMENTS.—The review conducted under subsection (a) shall include—

(1) an assessment of—

(A) project management practices with respect to the activities described in subsection (a);

(B) the outcomes of such activities; and

(C) the appropriateness of the level of engagement and oversight of the Office of Environmental Management with respect to such activities; and

(2) recommendations with respect to actions to enhance the effectiveness of such activities.

SEC. 3123. SURVEY OF WORKFORCE OF NATIONAL SECURITY LABORATORIES AND NUCLEAR WEAPONS PRODUCTION FACILITIES.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Administrator for Nu-

clear Security shall submit to the congressional defense committees a report that includes—

(1) a detailed proposal for a survey of the workforce of the national security laboratories and nuclear weapons production facilities that is modeled on the Federal Employee Viewpoint Survey of the Office of Personnel Management;

(2) the determination of the Administrator with respect to whether to implement the survey; and

(3) if the Administrator determines not to implement the survey, a description of the reasons for that determination.

(b) IMPLEMENTATION FACTORS.—The report required by subsection (a) shall address factors associated with implementation of the survey described in that subsection, including—

(1) the costs of designing the survey;

(2) the time required for and the costs of administering the survey and analyzing the data from the survey;

(3) the periodicity of administering the survey to ascertain trends; and

(4) any other matters the Administrator considers appropriate.

(c) DEFINITIONS.—In this section, the terms "national security laboratory" and "nuclear weapons production facility" have the meanings given those terms in section 4002 of the Atomic Energy Defense Act (50 U.S.C. 2501).

SEC. 3124. ELIMINATION OF CERTAIN REPORTS.

(a) REPORT OF OWNER'S AGENT ON HANFORD WASTE TREATMENT AND IMMOBILIZATION PLANT CONTRACT.—Section 4446 of the Atomic Energy Defense Act (50 U.S.C. 2626) is amended—

(1) by striking subsection (d); and

(2) by redesignating subsections (e) and (f) as subsections (d) and (e), respectively.

(b) FUTURE-YEARS DEFENSE ENVIRONMENTAL MANAGEMENT PLAN.—

(1) IN GENERAL.—Section 4402A of the Atomic Energy Defense Act (50 U.S.C. 2582a) is repealed.

(2) CLERICAL AMENDMENT.—The table of contents for the Atomic Energy Defense Act is amended by striking the item relating to section 4402A.

(c) ANNUAL CERTIFICATION OF SHIPMENTS TO WASTE ISOLATION PILOT PLANT.—Section 3115 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2759) is repealed.

SEC. 3125. IMPLEMENTATION OF NUCLEAR POSTURE REVIEW BY NATIONAL NUCLEAR SECURITY ADMINISTRATION.

(a) REPORT REQUIRED.—Not later than December 1, 2018, the Administrator for Nuclear Security shall submit to the congressional defense committees a report on the implementation of the 2018 Nuclear Posture Review by the National Nuclear Security Administration.

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

(1) A list of specific actions associated with implementation of the policies set forth in the 2018 Nuclear Posture Review applicable to the National Nuclear Security Administration.

(2) For each such action—

(A) an identification of the office within the Administration with responsibility for the action; and

(B) key milestones for the action.

(3) A discussion of any challenges to successfully implementing such actions.

(4) A description of the process established for monitoring the implementation of such actions.

(5) A description of policy decisions by the Administrator that are necessary to complete the implementation of such actions.

TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

SEC. 3201. AUTHORIZATION.

There are authorized to be appropriated for fiscal year 2019, $31,243,000 for the operation of the Defense Nuclear Facilities Safety Board under chapter 21 of the Atomic Energy Act of 1954 (42 U.S.C. 2286 et seq.).

TITLE XXXV—MARITIME ADMINISTRATION

SEC. 3501. MARITIME ADMINISTRATION.

Section 109 of title 49, United States Code, is amended to read as follows:

"§ 109. Maritime Administration

"(a) ORGANIZATION AND MISSION.—The Maritime Administration is an administration in the Department of Transportation. The mission of the Maritime Administration is to foster, promote, and develop the merchant maritime industry of the United States.

"(b) MARITIME ADMINISTRATOR.—The head of the Maritime Administration is the Maritime Administrator, who is appointed by the President by and with the advice and consent of the Senate. The Administrator shall report directly to the Secretary of Transportation and carry out the duties prescribed by the Secretary.

"(c) DEPUTY MARITIME ADMINISTRATOR.—The Maritime Administration shall have a Deputy Maritime Administrator, who is appointed in the competitive service by the Secretary, after consultation with the Administrator. The Deputy Administrator shall carry out the duties prescribed by the Administrator. The Deputy Administrator shall be Acting Administrator during the absence or disability of the Administrator and, unless the Secretary designates another individual, during a vacancy in the office of Administrator.

"(d) DUTIES AND POWERS VESTED IN SECRETARY.—All duties and powers of the Maritime Administration are vested in the Secretary.

"(e) REGIONAL OFFICES.—The Maritime Administration shall have regional offices for the Atlantic, Gulf, Great Lakes, and Pacific port ranges, and may have other regional offices as necessary. The Secretary shall appoint a qualified individual as Director of each regional office. The Secretary shall carry out appropriate activities and programs of the Maritime Administration through the regional offices.

"(f) INTERAGENCY AND INDUSTRY RELATIONS.—The Secretary shall establish and maintain liaison with other agencies, and with representative trade organizations throughout the United States, concerned with the transpor-

tation of commodities by water in the export and import foreign commerce of the United States, for the purpose of securing preference to vessels of the United States for the transportation of those commodities.

"(g) DETAILING OFFICERS FROM ARMED FORCES.—To assist the Secretary in carrying out duties and powers relating to the Maritime Administration, not more than five officers of the Armed Forces may be detailed to the Secretary at any one time, in addition to details authorized by any other law. During the period of a detail, the Secretary shall pay the officer an amount that, when added to the officer's pay and allowances as an officer in the Armed Forces, makes the officer's total pay and allowances equal to the amount that would be paid to an individual performing work the Secretary considers to be of similar importance, difficulty, and responsibility as that performed by the officer during the detail.

"(h) CONTRACTS, COOPERATIVE AGREEMENTS, AND AUDITS.—

"(1) CONTRACTS AND COOPERATIVE AGREEMENTS.—In the same manner that a private corporation may make a contract within the scope of its authority under its charter, the Secretary may make contracts and cooperative agreements for the United States Government and disburse amounts to—

"(A) carry out the Secretary's duties and powers under this section, subtitle V of title 46, and all other Maritime Administration programs; and

"(B) protect, preserve, and improve collateral held by the Secretary to secure indebtedness.

"(2) AUDITS.—The financial transactions of the Secretary under paragraph (1) shall be audited by the Comptroller General. The Comptroller General shall allow credit for an expenditure shown to be necessary because of the nature of the business activities authorized by this section or subtitle V of title 46. At least once a year, the Comptroller General shall report to Congress any departure by the Secretary from this section or subtitle V of title 46.

"(i) GRANT ADMINISTRATIVE EXPENSES.—Except as otherwise provided by law, the administrative and related expenses for the administration of any grant programs by the Maritime Administrator may not exceed 3 percent.

"(j) AUTHORIZATION OF APPROPRIATIONS.—

"(1) IN GENERAL.—Except as otherwise provided in this subsection, there are authorized to be appropriated such amounts as may be necessary to carry out the duties and powers of the Secretary relating to the Maritime Administration.

"(2) LIMITATIONS.—Only those amounts specifically authorized by law may be appropriated for the use of the Maritime Administration for—

"(A) acquisition, construction, or reconstruction of vessels;

"(B) construction-differential subsidies incident to the construction, reconstruction, or reconditioning of vessels;

"(C) costs of national defense features;

"(D) payments of obligations incurred for operating-differential subsidies;

"(E) expenses necessary for research and development activities, including reimbursement of the Vessel Operations Revolving Fund for losses resulting from expenses of experimental vessel operations;

"(F) the Vessel Operations Revolving Fund;

"(G) National Defense Reserve Fleet expenses;

"(H) expenses necessary to carry out part B of subtitle V of title 46; and

"(I) other operations and training expenses related to the development of waterborne transportation systems, the use of waterborne transportation systems, and general administration.".

SEC. 3502. PERMANENT AUTHORITY OF SECRETARY OF TRANSPORTATION TO ISSUE VESSEL WAR RISK INSURANCE.

(a) IN GENERAL.—Section 53912 of title 46, United States Code, is repealed.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 539 of such title is amended by striking the item relating to section 53912.

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.

(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 1522 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 WRITTEN COMMUNICATIONS.—No oral or written communication concerning any amount specified in the funding tables in this division shall supersede the requirements of this section.

TITLE XLI—PROCUREMENT

SEC. 4101. PROCUREMENT.

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	*Item*	*FY 2019 Request*	*Senate Authorized*
	AIRCRAFT PROCUREMENT, ARMY		
	FIXED WING		
2	*UTILITY F/W AIRCRAFT*	744	744
3	*MQ–1 UAV*	43,326	43,326
4	*RQ–11 (RAVEN)*	46,416	46,416
	ROTARY		
7	*AH–64 APACHE BLOCK IIIA REMAN*	753,248	753,248

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(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
8	AH–64 APACHE BLOCK IIIA REMAN AP	174,550	174,550
9	AH–64 APACHE BLOCK IIIB NEW BUILD	284,687	284,687
10	AH–64 APACHE BLOCK IIIB NEW BUILD AP	58,600	58,600
11	UH–60 BLACKHAWK M MODEL (MYP)	988,810	988,810
12	UH–60 BLACKHAWK M MODEL (MYP) AP	106,150	106,150
13	UH–60 BLACK HAWK A AND L MODELS	146,138	146,138
14	CH–47 HELICOPTER	99,278	99,278
15	CH–47 HELICOPTER AP	24,235	24,235
	MODIFICATION OF AIRCRAFT		
18	UNIVERSAL GROUND CONTROL EQUIPMENT (UAS)	27,114	27,114
19	GRAY EAGLE MODS2	97,781	97,781
20	MULTI SENSOR ABN RECON (MIP)	52,274	52,274
21	AH–64 MODS	104,996	104,996
22	CH–47 CARGO HELICOPTER MODS (MYP)	7,807	7,807
23	GRCS SEMA MODS (MIP)	5,573	5,573
24	ARL SEMA MODS (MIP)	7,522	7,522
25	EMARSS SEMA MODS (MIP)	20,448	20,448
26	UTILITY/CARGO AIRPLANE MODS	17,719	17,719
27	UTILITY HELICOPTER MODS	6,443	6,443
28	NETWORK AND MISSION PLAN	123,614	123,614
29	COMMS, NAV SURVEILLANCE	161,969	161,969
30	DEGRADED VISUAL ENVIRONMENT	30,000	30,000
31	GATM ROLLUP	26,848	26,848
32	RQ–7 UAV MODS	103,246	103,246
33	UAS MODS	17,644	17,644
	GROUND SUPPORT AVIONICS		
34	AIRCRAFT SURVIVABILITY EQUIPMENT	57,170	57,170
35	SURVIVABILITY CM	5,853	5,853
36	CMWS	13,496	13,496
37	COMMON INFRARED COUNTERMEASURES (CIRCM)	36,839	36,839
	OTHER SUPPORT		
38	AVIONICS SUPPORT EQUIPMENT	1,778	1,778
39	COMMON GROUND EQUIPMENT	34,818	34,818
40	AIRCREW INTEGRATED SYSTEMS	27,243	27,243
41	AIR TRAFFIC CONTROL	63,872	63,872
42	INDUSTRIAL FACILITIES	1,417	1,417
43	LAUNCHER, 2.75 ROCKET	1,901	1,901
44	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2	991	991
	TOTAL AIRCRAFT PROCUREMENT, ARMY	**3,782,558**	**3,782,558**
	MISSILE PROCUREMENT, ARMY		
	SURFACE-TO-AIR MISSILE SYSTEM		
1	LOWER TIER AIR AND MISSILE DEFENSE (AMD)	111,395	111,395
2	MSE MISSILE	871,276	871,276
3	INDIRECT FIRE PROTECTION CAPABILITY INC 2–I	145,636	645,636
	Acceleration of cruise missile defense		[500,000]
4	INDIRECT FIRE PROTECTION CAPABILITY INC 2–I AP	31,286	31,286
	AIR-TO-SURFACE MISSILE SYSTEM		
6	JOINT AIR-TO-GROUND MSLS (JAGM)	276,462	276,462
	ANTI-TANK/ASSAULT MISSILE SYS		
8	JAVELIN (AAWS-M) SYSTEM SUMMARY	303,665	303,665
9	TOW 2 SYSTEM SUMMARY	105,014	105,014
10	TOW 2 SYSTEM SUMMARY AP	19,949	19,949
11	GUIDED MLRS ROCKET (GMLRS)	359,613	359,613
12	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR)	20,964	20,964
	MODIFICATIONS		
15	PATRIOT MODS	313,228	313,228
16	ATACMS MODS	221,656	141,656
	Requested quantity exceeds maximum		[–80,000]
17	GMLRS MOD	266	266
18	STINGER MODS	94,756	94,756
19	AVENGER MODS	48,670	48,670
20	ITAS/TOW MODS	3,173	3,173
21	MLRS MODS	383,216	383,216
22	HIMARS MODIFICATIONS	10,196	10,196
	SPARES AND REPAIR PARTS		
23	SPARES AND REPAIR PARTS	27,737	27,737
	SUPPORT EQUIPMENT & FACILITIES		
24	AIR DEFENSE TARGETS	6,417	6,417
25	PRODUCTION BASE SUPPORT	1,202	1,202
	TOTAL MISSILE PROCUREMENT, ARMY	**3,355,777**	**3,775,777**
	PROCUREMENT OF W&TCV, ARMY		
	TRACKED COMBAT VEHICLES		
2	ARMORED MULTI PURPOSE VEHICLE (AMPV)	479,801	379,801
	Program decrease		[–100,000]
	MODIFICATION OF TRACKED COMBAT VEHICLES		
4	STRYKER (MOD)	287,490	138,100

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(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	Army requested transfer		*[–149,390]*
5	*STRYKER UPGRADE*	*21,900*	*171,290*
	Army requested transfer		*[149,390]*
6	*BRADLEY PROGRAM (MOD)*	*625,424*	*301,424*
	Program decrease		*[–324,000]*
7	*M109 FOV MODIFICATIONS*	*26,482*	*26,482*
8	*PALADIN INTEGRATED MANAGEMENT (PIM)*	*351,802*	*461,802*
	Program increase		*[110,000]*
9	*IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)*	*110,500*	*110,500*
10	*ASSAULT BRIDGE (MOD)*	*2,120*	*2,120*
11	*ASSAULT BREACHER VEHICLE*	*62,407*	*62,407*
12	*M88 FOV MODS*	*4,517*	*4,517*
13	*JOINT ASSAULT BRIDGE*	*142,255*	*142,255*
14	*M1 ABRAMS TANK (MOD)*	*927,600*	*927,600*
15	*ABRAMS UPGRADE PROGRAM*	*1,075,999*	*1,075,999*
	WEAPONS & OTHER COMBAT VEHICLES		
18	*M240 MEDIUM MACHINE GUN (7.62MM)*	*1,955*	*1,955*
19	*MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S*	*23,345*	*23,345*
20	*GUN AUTOMATIC 30MM M230*	*7,434*	*7,434*
21	*MACHINE GUN, CAL .50 M2 ROLL*	*22,330*	*22,330*
22	*MORTAR SYSTEMS*	*12,470*	*12,470*
23	*XM320 GRENADE LAUNCHER MODULE (GLM)*	*697*	*697*
24	*COMPACT SEMI-AUTOMATIC SNIPER SYSTEM*	*46,236*	*46,236*
25	*CARBINE*	*69,306*	*69,306*
26	*SMALL ARMS—FIRE CONTROL*	*7,929*	*7,929*
27	*COMMON REMOTELY OPERATED WEAPONS STATION*	*35,968*	*35,968*
28	*HANDGUN*	*48,251*	*48,251*
	MOD OF WEAPONS AND OTHER COMBAT VEH		
29	*MK–19 GRENADE MACHINE GUN MODS*	*1,684*	*1,684*
30	*M777 MODS*	*3,086*	*3,086*
31	*M4 CARBINE MODS*	*31,575*	*31,575*
32	*M2 50 CAL MACHINE GUN MODS*	*21,600*	*21,600*
33	*M249 SAW MACHINE GUN MODS*	*3,924*	*3,924*
34	*M240 MEDIUM MACHINE GUN MODS*	*6,940*	*6,940*
35	*SNIPER RIFLES MODIFICATIONS*	*2,747*	*2,747*
36	*M119 MODIFICATIONS*	*5,704*	*5,704*
37	*MORTAR MODIFICATION*	*3,965*	*3,965*
38	*MODIFICATIONS LESS THAN $5.0M (WOCV-WTCV)*	*5,577*	*5,577*
	SUPPORT EQUIPMENT & FACILITIES		
39	*ITEMS LESS THAN $5.0M (WOCV-WTCV)*	*3,174*	*3,174*
40	*PRODUCTION BASE SUPPORT (WOCV-WTCV)*	*3,284*	*3,284*
41	*SMALL ARMS EQUIPMENT (SOLDIER ENH PROG)*	*1,640*	*1,640*
	TOTAL PROCUREMENT OF W&TCV, ARMY	***4,489,118***	***4,175,118***
	PROCUREMENT OF AMMUNITION, ARMY		
	SMALL/MEDIUM CAL AMMUNITION		
1	*CTG, 5.56MM, ALL TYPES*	*41,848*	*35,148*
	FY2018 Omnibus forward finance		*[–6,700]*
2	*CTG, 7.62MM, ALL TYPES*	*86,199*	*86,199*
3	*CTG, HANDGUN, ALL TYPES*	*20,158*	*20,158*
4	*CTG, .50 CAL, ALL TYPES*	*65,573*	*65,573*
5	*CTG, 20MM, ALL TYPES*	*8,198*	*8,198*
7	*CTG, 30MM, ALL TYPES*	*77,995*	*77,995*
8	*CTG, 40MM, ALL TYPES*	*69,781*	*69,781*
	MORTAR AMMUNITION		
9	*60MM MORTAR, ALL TYPES*	*45,280*	*45,280*
10	*81MM MORTAR, ALL TYPES*	*46,853*	*46,853*
11	*120MM MORTAR, ALL TYPES*	*83,003*	*83,003*
	TANK AMMUNITION		
12	*CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES*	*168,101*	*168,101*
	ARTILLERY AMMUNITION		
13	*ARTILLERY CARTRIDGES, 75MM & 105MM, ALL TYPES*	*39,341*	*39,341*
14	*ARTILLERY PROJECTILE, 155MM, ALL TYPES*	*211,442*	*211,442*
15	*PROJ 155MM EXTENDED RANGE M982*	*100,906*	*100,906*
16	*ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL*	*236,677*	*136,677*
	Ammunition Cuts		*[–100,000]*
	MINES		
17	*MINES & CLEARING CHARGES, ALL TYPES*	*15,905*	*15,905*
	ROCKETS		
18	*SHOULDER LAUNCHED MUNITIONS, ALL TYPES*	*4,503*	*4,503*
19	*ROCKET, HYDRA 70, ALL TYPES*	*211,211*	*211,211*
	OTHER AMMUNITION		
20	*CAD/PAD, ALL TYPES*	*10,428*	*10,428*
21	*DEMOLITION MUNITIONS, ALL TYPES*	*44,656*	*44,656*
22	*GRENADES, ALL TYPES*	*19,896*	*19,896*
23	*SIGNALS, ALL TYPES*	*10,121*	*10,121*
24	*SIMULATORS, ALL TYPES*	*11,464*	*11,464*
	MISCELLANEOUS		

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Line	Item	FY 2019 Request	Senate Authorized
25	AMMO COMPONENTS, ALL TYPES	5,224	5,224
26	NON-LETHAL AMMUNITION, ALL TYPES	4,310	4,310
27	ITEMS LESS THAN $5 MILLION (AMMO)	11,193	11,193
28	AMMUNITION PECULIAR EQUIPMENT	10,500	10,500
29	FIRST DESTINATION TRANSPORTATION (AMMO)	18,456	18,456
30	CLOSEOUT LIABILITIES	100	100
	PRODUCTION BASE SUPPORT		
32	INDUSTRIAL FACILITIES	394,133	394,133
33	CONVENTIONAL MUNITIONS DEMILITARIZATION	157,535	157,535
34	ARMS INITIATIVE	3,771	3,771
	TOTAL PROCUREMENT OF AMMUNITION, ARMY	**2,234,761**	**2,128,061**
	OTHER PROCUREMENT, ARMY		
	TACTICAL VEHICLES		
1	TACTICAL TRAILERS/DOLLY SETS	16,512	16,512
2	SEMITRAILERS, FLATBED:	16,951	16,951
3	AMBULANCE, 4 LITTER, 5/4 TON, 4X4	50,123	50,123
4	GROUND MOBILITY VEHICLES (GMV)	46,988	46,988
6	JOINT LIGHT TACTICAL VEHICLE	1,319,436	1,069,436
	Program reduction		[–250,000]
7	TRUCK, DUMP, 20T (CCE)	6,480	6,480
8	FAMILY OF MEDIUM TACTICAL VEH (FMTV)	132,882	132,882
9	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIP	14,842	14,842
10	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	138,105	138,105
12	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	31,892	31,892
13	TACTICAL WHEELED VEHICLE PROTECTION KITS	38,128	38,128
14	MODIFICATION OF IN SVC EQUIP	78,507	78,507
	NON-TACTICAL VEHICLES		
16	HEAVY ARMORED VEHICLE	790	790
17	PASSENGER CARRYING VEHICLES	1,390	1,390
18	NONTACTICAL VEHICLES, OTHER	15,415	15,415
	COMM—JOINT COMMUNICATIONS		
20	SIGNAL MODERNIZATION PROGRAM	150,777	150,777
21	TACTICAL NETWORK TECHNOLOGY MOD IN SVC	469,117	469,117
22	SITUATION INFORMATION TRANSPORT	62,727	62,727
23	JOINT INCIDENT SITE COMMUNICATIONS CAPABILITY	13,895	13,895
24	JCSE EQUIPMENT (USREDCOM)	4,866	4,866
	COMM—SATELLITE COMMUNICATIONS		
27	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS	108,133	108,133
28	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS	56,737	56,737
29	SHF TERM	13,100	13,100
30	SMART-T (SPACE)	9,160	9,160
31	GLOBAL BRDCST SVC—GBS	25,647	25,647
32	ENROUTE MISSION COMMAND (EMC)	37,401	37,401
	COMM—C3 SYSTEM		
36	COE TACTICAL SERVER INFRASTRUCTURE (TSI)	20,500	20,500
	COMM—COMBAT COMMUNICATIONS		
38	HANDHELD MANPACK SMALL FORM FIT (HMS)	351,565	351,565
40	RADIO TERMINAL SET, MIDS LVT(2)	4,641	4,641
41	TRACTOR DESK	2,187	2,187
42	TRACTOR RIDE	9,411	9,411
44	SPIDER FAMILY OF NETWORKED MUNITIONS INCR	17,515	17,515
45	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM	819	819
46	UNIFIED COMMAND SUITE	17,807	17,807
47	COTS COMMUNICATIONS EQUIPMENT	191,835	191,835
48	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE	25,177	25,177
	COMM—INTELLIGENCE COMM		
50	CI AUTOMATION ARCHITECTURE (MIP)	9,740	9,740
51	DEFENSE MILITARY DECEPTION INITIATIVE	2,667	2,667
	INFORMATION SECURITY		
53	FAMILY OF BIOMETRICS	8,319	8,319
54	INFORMATION SYSTEM SECURITY PROGRAM-ISSP	2,000	2,000
55	COMMUNICATIONS SECURITY (COMSEC)	88,337	88,337
56	DEFENSIVE CYBER OPERATIONS	51,343	51,343
57	INSIDER THREAT PROGRAM—UNIT ACTIVITY MONITO	330	330
58	PERSISTENT CYBER TRAINING ENVIRONMENT	3,000	3,000
	COMM—LONG HAUL COMMUNICATIONS		
59	BASE SUPPORT COMMUNICATIONS	34,434	34,434
	COMM—BASE COMMUNICATIONS		
60	INFORMATION SYSTEMS	95,558	95,558
61	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM	4,736	4,736
62	HOME STATION MISSION COMMAND CENTERS (HSMCC)	24,479	24,479
63	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	216,433	216,433
	ELECT EQUIP—TACT INT REL ACT (TIARA)		
66	JTT/CIBS-M (MIP)	10,268	10,268
68	DCGS-A (MIP)	261,863	261,863
69	JOINT TACTICAL GROUND STATION (JTAGS) (MIP)	5,434	5,434
70	TROJAN (MIP)	20,623	20,623

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Line	Item	FY 2019 Request	Senate Authorized
71	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	45,998	47,798
	SOUTHCOM SIGINT Suite COMSAT RF		[1,800]
72	CI HUMINT AUTO REPRTING & COLL(CHARCS)(MIP)	296	296
76	ITEMS LESS THAN $5.0M (MIP)	410	410
	ELECT EQUIP—ELECTRONIC WARFARE (EW)		
77	LIGHTWEIGHT COUNTER MORTAR RADAR	9,165	9,165
78	EW PLANNING & MANAGEMENT TOOLS (EWPMT)	5,875	5,875
79	AIR VIGILANCE (AV) (MIP)	8,497	8,497
83	CI MODERNIZATION (MIP)	486	486
	ELECT EQUIP—TACTICAL SURV. (TAC SURV)		
84	SENTINEL MODS	79,629	79,629
85	NIGHT VISION DEVICES	153,180	153,180
87	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	22,882	22,882
88	RADIATION MONITORING SYSTEMS	17,393	17,393
90	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	46,740	46,740
91	FAMILY OF WEAPON SIGHTS (FWS)	140,737	140,737
93	PROFILER	171	171
94	JOINT BATTLE COMMAND—PLATFORM (JBC-P)	405,239	405,239
95	JOINT EFFECTS TARGETING SYSTEM (JETS)	66,574	66,574
96	MOD OF IN-SVC EQUIP (LLDR)	20,783	20,783
97	COMPUTER BALLISTICS: LHMBC XM32	8,553	8,553
98	MORTAR FIRE CONTROL SYSTEM	21,489	21,489
99	COUNTERFIRE RADARS	162,121	162,121
	ELECT EQUIP—TACTICAL C2 SYSTEMS		
100	ARMY COMMAND POST INTEGRATED INFRASTRUCTURE (	2,855	2,855
101	FIRE SUPPORT C2 FAMILY	19,153	19,153
102	AIR & MSL DEFENSE PLANNING & CONTROL SYS	33,837	33,837
103	LIFE CYCLE SOFTWARE SUPPORT (LCSS)	5,136	5,136
104	NETWORK MANAGEMENT INITIALIZATION AND SERVICE	18,329	18,329
105	MANEUVER CONTROL SYSTEM (MCS)	38,015	38,015
106	GLOBAL COMBAT SUPPORT SYSTEM-ARMY (GCSS-A)	15,164	15,164
107	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPP	29,239	29,239
109	RECONNAISSANCE AND SURVEYING INSTRUMENT SET	6,823	6,823
110	MOD OF IN-SVC EQUIPMENT (ENFIRE)	1,177	1,177
	ELECT EQUIP—AUTOMATION		
111	ARMY TRAINING MODERNIZATION	12,265	12,265
112	AUTOMATED DATA PROCESSING EQUIP	201,875	186,875
	Consolidating more IT purchases		[–15,000]
113	GENERAL FUND ENTERPRISE BUSINESS SYSTEMS FAM	10,976	10,976
114	HIGH PERF COMPUTING MOD PGM (HPCMP)	66,330	66,330
115	CONTRACT WRITING SYSTEM	5,927	5,927
116	RESERVE COMPONENT AUTOMATION SYS (RCAS)	27,896	27,896
	ELECT EQUIP—AUDIO VISUAL SYS (A/V)		
117	TACTICAL DIGITAL MEDIA	4,392	4,392
118	ITEMS LESS THAN $5M (SURVEYING EQUIPMENT)	1,970	1,970
	ELECT EQUIP—SUPPORT		
119	PRODUCTION BASE SUPPORT (C-E)	506	506
	CLASSIFIED PROGRAMS	4,501	4,501
	CLASSIFIED PROGRAMS		
	CHEMICAL DEFENSIVE EQUIPMENT		
121	PROTECTIVE SYSTEMS	2,314	2,314
122	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	7,478	7,478
124	CBRN DEFENSE	173,954	173,954
	BRIDGING EQUIPMENT		
125	TACTICAL BRIDGING	98,229	98,229
126	TACTICAL BRIDGE, FLOAT-RIBBON	64,438	64,438
127	COMMON BRIDGE TRANSPORTER (CBT) RECAP	79,916	79,916
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT		
128	HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST	8,471	8,471
129	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)	29,883	29,883
130	AREA MINE DETECTION SYSTEM (AMDS)	11,594	11,594
131	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	40,834	40,834
132	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS)	4,029	4,029
133	EOD ROBOTICS SYSTEMS RECAPITALIZATION	14,208	14,208
134	ROBOTICS AND APPLIQUE SYSTEMS	31,456	31,456
136	REMOTE DEMOLITION SYSTEMS	1,748	1,748
137	< $5M, COUNTERMINE EQUIPMENT	7,829	7,829
138	FAMILY OF BOATS AND MOTORS	5,806	5,806
	COMBAT SERVICE SUPPORT EQUIPMENT		
139	HEATERS AND ECU'S	9,852	9,852
140	SOLDIER ENHANCEMENT	1,103	1,103
141	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	5,875	5,875
142	GROUND SOLDIER SYSTEM	92,487	92,487
143	MOBILE SOLDIER POWER	30,774	30,774
145	FIELD FEEDING EQUIPMENT	17,521	17,521
146	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	44,855	44,855
147	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS	17,173	17,173
148	ITEMS LESS THAN $5M (ENG SPT)	2,000	2,000

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Line	Item	FY 2019 Request	Senate Authorized
	PETROLEUM EQUIPMENT		
149	*QUALITY SURVEILLANCE EQUIPMENT*	1,770	1,770
150	*DISTRIBUTION SYSTEMS, PETROLEUM & WATER*	39,730	39,730
	MEDICAL EQUIPMENT		
151	*COMBAT SUPPORT MEDICAL*	57,752	57,752
	MAINTENANCE EQUIPMENT		
152	*MOBILE MAINTENANCE EQUIPMENT SYSTEMS*	37,722	37,722
153	*ITEMS LESS THAN $5.0M (MAINT EQ)*	4,985	4,985
	CONSTRUCTION EQUIPMENT		
155	*SCRAPERS, EARTHMOVING*	7,961	7,961
156	*HYDRAULIC EXCAVATOR*	1,355	1,355
158	*ALL TERRAIN CRANES*	13,031	13,031
159	*HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)*	46,048	46,048
160	*ENHANCED RAPID AIRFIELD CONSTRUCTION CAPAP*	980	980
161	*CONST EQUIP ESP*	37,017	37,017
162	*ITEMS LESS THAN $5.0M (CONST EQUIP)*	6,103	6,103
	RAIL FLOAT CONTAINERIZATION EQUIPMENT		
163	*ARMY WATERCRAFT ESP*	27,711	27,711
164	*ITEMS LESS THAN $5.0M (FLOAT/RAIL)*	8,385	8,385
	GENERATORS		
165	*GENERATORS AND ASSOCIATED EQUIP*	133,772	133,772
166	*TACTICAL ELECTRIC POWER RECAPITALIZATION*	8,333	8,333
	MATERIAL HANDLING EQUIPMENT		
167	*FAMILY OF FORKLIFTS*	12,901	12,901
	TRAINING EQUIPMENT		
168	*COMBAT TRAINING CENTERS SUPPORT*	123,228	123,228
169	*TRAINING DEVICES, NONSYSTEM*	228,598	228,598
170	*CLOSE COMBAT TACTICAL TRAINER*	33,080	33,080
171	*AVIATION COMBINED ARMS TACTICAL TRAINER*	32,700	32,700
172	*GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING*	25,161	25,161
	TEST MEASURE AND DIG EQUIPMENT (TMD)		
173	*CALIBRATION SETS EQUIPMENT*	4,270	4,270
174	*INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)*	76,295	76,295
175	*TEST EQUIPMENT MODERNIZATION (TEMOD)*	9,806	9,806
	OTHER SUPPORT EQUIPMENT		
176	*M25 STABILIZED BINOCULAR*	4,368	4,368
177	*RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT*	9,879	9,879
178	*PHYSICAL SECURITY SYSTEMS (OPA3)*	54,043	54,043
179	*BASE LEVEL COMMON EQUIPMENT*	6,633	6,633
180	*MODIFICATION OF IN-SVC EQUIPMENT (OPA–3)*	49,797	49,797
181	*PRODUCTION BASE SUPPORT (OTH)*	2,301	2,301
182	*SPECIAL EQUIPMENT FOR USER TESTING*	11,608	11,608
183	*TRACTOR YARD*	4,956	4,956
	OPA2		
184	*INITIAL SPARES—C&E*	9,817	9,817
	TOTAL OTHER PROCUREMENT, ARMY	**7,999,529**	**7,736,329**
	AIRCRAFT PROCUREMENT, NAVY		
	COMBAT AIRCRAFT		
1	*F/A–18E/F (FIGHTER) HORNET*	1,937,553	1,937,553
2	*F/A–18E/F (FIGHTER) HORNET AP*	58,799	58,799
3	*JOINT STRIKE FIGHTER CV*	1,144,958	1,023,958
	Program Realignment		*[–121,000]*
4	*JOINT STRIKE FIGHTER CV AP*	140,010	140,010
5	*JSF STOVL*	2,312,847	2,312,847
6	*JSF STOVL AP*	228,492	228,492
7	*CH–53K (HEAVY LIFT)*	1,113,804	1,113,804
8	*CH–53K (HEAVY LIFT) AP*	161,079	161,079
9	*V–22 (MEDIUM LIFT)*	806,337	806,337
10	*V–22 (MEDIUM LIFT) AP*	36,955	36,955
11	*H–1 UPGRADES (UH–1Y/AH–1Z)*	820,755	820,755
14	*P–8A POSEIDON*	1,803,753	1,803,753
15	*P–8A POSEIDON AP*	180,000	180,000
16	*E–2D ADV HAWKEYE*	742,693	917,693
	UPL—1 additional Aircraft		*[175,000]*
17	*E–2D ADV HAWKEYE AP*	240,734	240,734
71	*O/A-X LIGHT ATTACK AIRCRAFT*	0	100,000
	Initial procurement for light attack aircraft		*[100,000]*
	AIRLIFT AIRCRAFT		
18	*C–40A*	206,000	0
	Funded in FY18 Omnibus		*[–206,000]*
	OTHER AIRCRAFT		
20	*KC–130J*	160,433	160,433
21	*KC–130J AP*	110,013	110,013
22	*MQ–4 TRITON*	568,743	568,743
23	*MQ–4 TRITON AP*	58,522	58,522
24	*MQ–8 UAV*	54,761	54,761
25	*STUASL0 UAV*	14,866	14,866

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
26	VH–92A EXECUTIVE HELO	649,015	649,015
72	UAV	0	100,000
	Procurement of UAV		[100,000]
	MODIFICATION OF AIRCRAFT		
27	AEA SYSTEMS	25,277	25,277
28	AV–8 SERIES	58,577	58,577
29	ADVERSARY	14,606	14,606
30	F–18 SERIES	1,213,482	1,227,382
	UPL—EA–18G Advanced Modes / Cognitive EW		[13,900]
31	H–53 SERIES	70,997	70,997
32	SH–60 SERIES	130,661	130,661
33	H–1 SERIES	87,143	87,143
34	EP–3 SERIES	3,633	3,633
35	P–3 SERIES	803	803
36	E–2 SERIES	88,780	88,780
37	TRAINER A/C SERIES	11,660	11,660
38	C–2A	11,327	11,327
39	C–130 SERIES	79,075	79,075
40	FEWSG	597	597
41	CARGO/TRANSPORT A/C SERIES	8,932	8,932
42	E–6 SERIES	181,821	181,821
43	EXECUTIVE HELICOPTERS SERIES	23,566	23,566
44	SPECIAL PROJECT AIRCRAFT	7,620	7,620
45	T–45 SERIES	195,475	195,475
46	POWER PLANT CHANGES	21,521	21,521
47	JPATS SERIES	27,644	27,644
48	AVIATION LIFE SUPPORT MODS	15,864	15,864
49	COMMON ECM EQUIPMENT	166,306	191,306
	UPL—F/A–18 E/F Adaptative Radar Countermeasures		[25,000]
50	COMMON AVIONICS CHANGES	117,551	117,551
51	COMMON DEFENSIVE WEAPON SYSTEM	1,994	1,994
52	ID SYSTEMS	40,696	40,696
53	P–8 SERIES	71,251	71,251
54	MAGTF EW FOR AVIATION	11,590	11,590
55	MQ–8 SERIES	37,907	37,907
57	V–22 (TILT/ROTOR ACFT) OSPREY	214,820	214,820
58	NEXT GENERATION JAMMER (NGJ)	952	952
59	F–35 STOVL SERIES	36,618	70,118
	F–35B Modifications Increase		[33,500]
60	F–35 CV SERIES	21,236	26,236
	F–35C Modifications Increase		[5,000]
61	QRC	101,499	101,499
62	MQ–4 SERIES	48,278	48,278
63	RQ–21 SERIES	6,904	6,904
	AIRCRAFT SPARES AND REPAIR PARTS		
64	SPARES AND REPAIR PARTS	1,792,920	1,842,920
	F–35B and F–35C spares quantity increase		[50,000]
	AIRCRAFT SUPPORT EQUIP & FACILITIES		
65	COMMON GROUND EQUIPMENT	421,606	421,606
66	AIRCRAFT INDUSTRIAL FACILITIES	24,496	24,496
67	WAR CONSUMABLES	42,108	42,108
68	OTHER PRODUCTION CHARGES	1,444	1,444
69	SPECIAL SUPPORT EQUIPMENT	49,489	49,489
70	FIRST DESTINATION TRANSPORTATION	1,951	1,951
	TOTAL AIRCRAFT PROCUREMENT, NAVY	**19,041,799**	**19,217,199**
	WEAPONS PROCUREMENT, NAVY		
	MODIFICATION OF MISSILES		
1	TRIDENT II MODS	1,078,750	1,078,750
	SUPPORT EQUIPMENT & FACILITIES		
2	MISSILE INDUSTRIAL FACILITIES	6,998	6,998
	STRATEGIC MISSILES		
3	TOMAHAWK	98,570	98,570
	TACTICAL MISSILES		
4	AMRAAM	211,058	211,058
5	SIDEWINDER	77,927	122,927
	Navy UPL: Increase to maximum capacity		[45,000]
6	JSOW	1,330	1,330
7	STANDARD MISSILE	490,210	490,210
8	STANDARD MISSILE AP	125,683	125,683
9	SMALL DIAMETER BOMB II	91,272	91,272
10	RAM	96,221	96,221
11	JOINT AIR GROUND MISSILE (JAGM)	24,109	24,109
14	STAND OFF PRECISION GUIDED MUNITIONS (SOPGM)	11,378	11,378
15	AERIAL TARGETS	137,137	137,137
16	OTHER MISSILE SUPPORT	3,318	3,318
17	LRASM	81,190	111,190
	Navy UPL: Increase to maximum capacity		[30,000]

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(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
18	LCS OTH MISSILE	18,156	18,156
	MODIFICATION OF MISSILES		
19	ESSM	98,384	98,384
20	HARPOON MODS	14,840	26,840
	Navy UPL: Increase to max capacity		[12,000]
21	HARM MODS	187,985	74,085
	Reduce procurement due to test results		[–113,900]
	SUPPORT EQUIPMENT & FACILITIES		
23	WEAPONS INDUSTRIAL FACILITIES	2,006	2,006
24	FLEET SATELLITE COMM FOLLOW-ON	66,779	66,779
	ORDNANCE SUPPORT EQUIPMENT		
25	ORDNANCE SUPPORT EQUIPMENT	62,008	62,008
	TORPEDOES AND RELATED EQUIP		
26	SSTD	6,353	6,353
27	MK–48 TORPEDO	92,616	103,616
	Navy UPL: Increase to maximum capacity		[11,000]
28	ASW TARGETS	12,324	12,324
	MOD OF TORPEDOES AND RELATED EQUIP		
29	MK–54 TORPEDO MODS	105,946	105,946
30	MK–48 TORPEDO ADCAP MODS	40,005	40,005
31	QUICKSTRIKE MINE	9,758	9,758
	SUPPORT EQUIPMENT		
32	TORPEDO SUPPORT EQUIPMENT	79,371	79,371
33	ASW RANGE SUPPORT	3,872	3,872
	DESTINATION TRANSPORTATION		
34	FIRST DESTINATION TRANSPORTATION	3,726	3,726
	GUNS AND GUN MOUNTS		
35	SMALL ARMS AND WEAPONS	15,067	15,067
	MODIFICATION OF GUNS AND GUN MOUNTS		
36	CIWS MODS	63,318	63,318
37	COAST GUARD WEAPONS	40,823	40,823
38	GUN MOUNT MODS	74,618	74,618
39	LCS MODULE WEAPONS	11,350	5,350
	Early to need		[–6,000]
41	AIRBORNE MINE NEUTRALIZATION SYSTEMS	22,249	22,249
	SPARES AND REPAIR PARTS		
43	SPARES AND REPAIR PARTS	135,688	135,688
	TOTAL WEAPONS PROCUREMENT, NAVY	**3,702,393**	**3,680,493**
	PROCUREMENT OF AMMO, NAVY & MC		
	NAVY AMMUNITION		
1	GENERAL PURPOSE BOMBS	79,871	79,871
2	JDAM	87,900	87,900
3	AIRBORNE ROCKETS, ALL TYPES	151,431	151,431
4	MACHINE GUN AMMUNITION	11,344	11,344
5	PRACTICE BOMBS	49,471	49,471
6	CARTRIDGES & CART ACTUATED DEVICES	56,227	56,227
7	AIR EXPENDABLE COUNTERMEASURES	66,382	66,382
8	JATOS	2,907	2,907
9	5 INCH/54 GUN AMMUNITION	72,657	72,657
10	INTERMEDIATE CALIBER GUN AMMUNITION	33,613	20,613
	Alamo LRIP ahead of testing		[–13,000]
11	OTHER SHIP GUN AMMUNITION	42,142	42,142
12	SMALL ARMS & LANDING PARTY AMMO	49,888	49,888
13	PYROTECHNIC AND DEMOLITION	10,931	10,931
15	AMMUNITION LESS THAN $5 MILLION	1,106	1,106
	MARINE CORPS AMMUNITION		
19	MORTARS	28,266	28,266
21	DIRECT SUPPORT MUNITIONS	63,664	63,664
22	INFANTRY WEAPONS AMMUNITION	59,295	59,295
26	COMBAT SUPPORT MUNITIONS	31,577	31,577
28	AMMO MODERNIZATION	15,001	15,001
29	ARTILLERY MUNITIONS	86,297	86,297
30	ITEMS LESS THAN $5 MILLION	6,239	6,239
	TOTAL PROCUREMENT OF AMMO, NAVY & MC	**1,006,209**	**993,209**
	SHIPBUILDING AND CONVERSION, NAVY		
	FLEET BALLISTIC MISSILE SHIPS		
1	OHIO REPLACEMENT SUBMARINE AP	3,005,330	3,005,330
	OTHER WARSHIPS		
2	CARRIER REPLACEMENT PROGRAM	1,598,181	1,598,181
4	VIRGINIA CLASS SUBMARINE	4,373,382	4,373,382
5	VIRGINIA CLASS SUBMARINE AP	2,796,401	3,046,401
	FY19–23 MYP EOQ or SIB expansion		[250,000]
7	CVN REFUELING OVERHAULS AP	449,597	449,597
8	DDG 1000	270,965	0
	Cost growth transfer to Line 28		[–270,965]
9	DDG–51	5,253,327	5,225,827

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Line	Item	FY 2019 Request	Senate Authorized
	Multiyear procurement contract savings		[–27,500]
10	DDG–51 AP	391,928	641,928
	Enable greater long lead material procurement		[250,000]
11	LITTORAL COMBAT SHIP	646,244	576,244
	Align Plans and Other costs with end of production		[–70,000]
	AMPHIBIOUS SHIPS		
12	LPD –17	0	650,000
	AP for FY2020 LPD Flight II and/or MYP EOQ		[650,000]
13	EXPEDITIONARY SEA BASE (ESB)	650,000	650,000
	AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST		
16	TAO FLEET OILER	977,104	977,104
17	TAO FLEET OILER AP	75,046	75,046
18	TOWING, SALVAGE, AND RESCUE SHIP (ATS)	80,517	80,517
20	LCU 1700	41,520	41,520
21	OUTFITTING	634,038	562,038
	Unjustified cost growth		[–72,000]
22	SHIP TO SHORE CONNECTOR	325,375	325,375
23	SERVICE CRAFT	72,062	97,062
	Accelerate detail design and construction of YP–703 Flight II		[25,000]
24	LCAC SLEP	23,321	23,321
28	COMPLETION OF PY SHIPBUILDING PROGRAMS	207,099	478,064
	Cost growth transfer from Line 8		[270,965]
29	CABLE SHIP	0	250,000
	Program increase		[250,000]
	TOTAL SHIPBUILDING AND CONVERSION, NAVY	**21,871,437**	**23,126,937**
	OTHER PROCUREMENT, NAVY		
	SHIP PROPULSION EQUIPMENT		
1	SURFACE POWER EQUIPMENT	19,700	19,700
	GENERATORS		
3	SURFACE COMBATANT HM&E	23,495	23,495
	NAVIGATION EQUIPMENT		
4	OTHER NAVIGATION EQUIPMENT	63,330	73,330
	Accelerate ECDIS-N 9.3, 9.4, 9.5 implementation		[10,000]
	OTHER SHIPBOARD EQUIPMENT		
5	SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG	178,421	178,421
6	DDG MOD	487,999	487,999
7	FIREFIGHTING EQUIPMENT	28,143	28,143
8	COMMAND AND CONTROL SWITCHBOARD	2,248	2,248
9	LHA/LHD MIDLIFE	37,694	37,694
10	POLLUTION CONTROL EQUIPMENT	20,883	20,883
11	SUBMARINE SUPPORT EQUIPMENT	37,155	37,155
12	VIRGINIA CLASS SUPPORT EQUIPMENT	66,328	66,328
13	LCS CLASS SUPPORT EQUIPMENT	47,241	47,241
14	SUBMARINE BATTERIES	27,987	27,987
15	LPD CLASS SUPPORT EQUIPMENT	65,033	65,033
16	DDG 1000 CLASS SUPPORT EQUIPMENT	89,700	51,300
	Procurement early to need		[–38,400]
17	STRATEGIC PLATFORM SUPPORT EQUIP	22,254	22,254
18	DSSP EQUIPMENT	3,629	3,629
19	CG MODERNIZATION	276,446	276,446
20	LCAC	3,709	3,709
21	UNDERWATER EOD PROGRAMS	78,807	78,807
22	ITEMS LESS THAN $5 MILLION	126,865	101,865
	Insufficient justification for CVN–78 in-service requirements		[–25,000]
23	CHEMICAL WARFARE DETECTORS	2,966	2,966
24	SUBMARINE LIFE SUPPORT SYSTEM	11,968	11,968
	REACTOR PLANT EQUIPMENT		
25	REACTOR POWER UNITS	346,325	346,325
26	REACTOR COMPONENTS	497,063	497,063
	OCEAN ENGINEERING		
27	DIVING AND SALVAGE EQUIPMENT	10,706	10,706
	SMALL BOATS		
28	STANDARD BOATS	49,771	49,771
	PRODUCTION FACILITIES EQUIPMENT		
29	OPERATING FORCES IPE	225,181	225,181
	OTHER SHIP SUPPORT		
31	LCS COMMON MISSION MODULES EQUIPMENT	46,732	46,732
32	LCS MCM MISSION MODULES	124,147	152,063
	Transfer Cobra trainer from Line 53		[8,616]
	Transfer Knifefish and UISS trainers from Line 52		[19,300]
33	LCS ASW MISSION MODULES	57,294	39,294
	Excess procurement ahead of satisfactory testing		[–18,000]
34	LCS SUW MISSION MODULES	26,006	14,506
	Excess procurement ahead of satisfactory testing		[–11,500]
35	LCS IN-SERVICE MODERNIZATION	70,526	70,526
	LOGISTIC SUPPORT		
36	LSD MIDLIFE & MODERNIZATION	4,784	4,784

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Line	Item	FY 2019 Request	Senate Authorized
	SHIP SONARS		
37	SPQ–9B RADAR	20,309	20,309
38	AN/SQQ–89 SURF ASW COMBAT SYSTEM	115,459	115,459
39	SSN ACOUSTIC EQUIPMENT	318,189	318,189
40	UNDERSEA WARFARE SUPPORT EQUIPMENT	10,134	10,134
	ASW ELECTRONIC EQUIPMENT		
41	SUBMARINE ACOUSTIC WARFARE SYSTEM	23,815	23,815
42	SSTD	11,277	6,277
	AN/SLQ–32E contract delay		[–5,000]
43	FIXED SURVEILLANCE SYSTEM	237,780	237,780
44	SURTASS	57,872	57,872
	ELECTRONIC WARFARE EQUIPMENT		
45	AN/SLQ–32	420,344	420,344
	RECONNAISSANCE EQUIPMENT		
46	SHIPBOARD IW EXPLOIT	220,883	220,883
47	AUTOMATED IDENTIFICATION SYSTEM (AIS)	4,028	4,028
	OTHER SHIP ELECTRONIC EQUIPMENT		
48	COOPERATIVE ENGAGEMENT CAPABILITY	44,173	38,173
	Common Array Block antenna program delay		[–6,000]
49	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)	10,991	10,991
50	ATDLS	34,526	34,526
51	NAVY COMMAND AND CONTROL SYSTEM (NCCS)	3,769	3,769
52	MINESWEEPING SYSTEM REPLACEMENT	35,709	16,409
	Transfer Knifefish and UISS trainers to Line 32		[–19,300]
53	SHALLOW WATER MCM	8,616	0
	Transfer Cobra trainer to Line 32		[–8,616]
54	NAVSTAR GPS RECEIVERS (SPACE)	10,703	10,703
55	AMERICAN FORCES RADIO AND TV SERVICE	2,626	2,626
56	STRATEGIC PLATFORM SUPPORT EQUIP	9,467	9,467
	AVIATION ELECTRONIC EQUIPMENT		
57	ASHORE ATC EQUIPMENT	70,849	70,849
58	AFLOAT ATC EQUIPMENT	47,890	47,890
59	ID SYSTEMS	26,163	26,163
60	JOINT PRECISION APPROACH AND LANDING SYSTEM (	38,094	38,094
61	NAVAL MISSION PLANNING SYSTEMS	11,966	11,966
	OTHER SHORE ELECTRONIC EQUIPMENT		
62	TACTICAL/MOBILE C4I SYSTEMS	42,010	42,010
63	DCGS-N	12,896	12,896
64	CANES	423,027	423,027
65	RADIAC	8,175	8,175
66	CANES-INTELL	54,465	54,465
67	GPETE	5,985	5,985
68	MASF	5,413	5,413
69	INTEG COMBAT SYSTEM TEST FACILITY	6,251	6,251
70	EMI CONTROL INSTRUMENTATION	4,183	4,183
71	ITEMS LESS THAN $5 MILLION	148,350	142,950
	NGSSR installation funding early to need		[–5,400]
	SHIPBOARD COMMUNICATIONS		
72	SHIPBOARD TACTICAL COMMUNICATIONS	45,450	45,450
73	SHIP COMMUNICATIONS AUTOMATION	105,087	105,087
74	COMMUNICATIONS ITEMS UNDER $5M	41,123	41,123
	SUBMARINE COMMUNICATIONS		
75	SUBMARINE BROADCAST SUPPORT	30,897	30,897
76	SUBMARINE COMMUNICATION EQUIPMENT	78,580	78,580
	SATELLITE COMMUNICATIONS		
77	SATELLITE COMMUNICATIONS SYSTEMS	41,205	41,205
78	NAVY MULTIBAND TERMINAL (NMT)	113,885	113,885
	SHORE COMMUNICATIONS		
79	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	4,292	4,292
	CRYPTOGRAPHIC EQUIPMENT		
80	INFO SYSTEMS SECURITY PROGRAM (ISSP)	153,526	153,526
81	MIO INTEL EXPLOITATION TEAM	951	951
	CRYPTOLOGIC EQUIPMENT		
82	CRYPTOLOGIC COMMUNICATIONS EQUIP	14,209	17,009
	SOUTHCOM CCO Sensor (2 suites)		[2,800]
	OTHER ELECTRONIC SUPPORT		
86	COAST GUARD EQUIPMENT	40,713	40,713
	SONOBUOYS		
88	SONOBUOYS—ALL TYPES	177,891	213,891
	Navy UPL		[36,000]
	AIRCRAFT SUPPORT EQUIPMENT		
89	WEAPONS RANGE SUPPORT EQUIPMENT	93,864	93,864
90	AIRCRAFT SUPPORT EQUIPMENT	111,724	111,724
91	ADVANCED ARRESTING GEAR (AAG)	11,054	11,054
92	METEOROLOGICAL EQUIPMENT	21,072	21,072
93	DCRS/DPL	656	656
94	AIRBORNE MINE COUNTERMEASURES	11,299	11,299
95	LAMPS EQUIPMENT	594	594

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Line	Item	FY 2019 Request	Senate Authorized
96	AVIATION SUPPORT EQUIPMENT	39,374	39,374
97	UMCS-UNMAN CARRIER AVIATION(UCA)MISSION CNTRL	35,405	35,405
	SHIP GUN SYSTEM EQUIPMENT		
98	SHIP GUN SYSTEMS EQUIPMENT	5,337	5,337
	SHIP MISSILE SYSTEMS EQUIPMENT		
99	SHIP MISSILE SUPPORT EQUIPMENT	213,090	213,090
100	TOMAHAWK SUPPORT EQUIPMENT	92,890	92,890
	FBM SUPPORT EQUIPMENT		
101	STRATEGIC MISSILE SYSTEMS EQUIP	271,817	271,817
	ASW SUPPORT EQUIPMENT		
102	SSN COMBAT CONTROL SYSTEMS	129,501	129,501
103	ASW SUPPORT EQUIPMENT	19,436	19,436
	OTHER ORDNANCE SUPPORT EQUIPMENT		
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	14,258	14,258
105	ITEMS LESS THAN $5 MILLION	5,378	5,378
	OTHER EXPENDABLE ORDNANCE		
106	SUBMARINE TRAINING DEVICE MODS	65,543	65,543
107	SURFACE TRAINING EQUIPMENT	230,425	230,425
	CIVIL ENGINEERING SUPPORT EQUIPMENT		
108	PASSENGER CARRYING VEHICLES	4,867	4,867
109	GENERAL PURPOSE TRUCKS	2,674	2,674
110	CONSTRUCTION & MAINTENANCE EQUIP	20,994	20,994
111	FIRE FIGHTING EQUIPMENT	17,189	17,189
112	TACTICAL VEHICLES	19,916	19,916
113	AMPHIBIOUS EQUIPMENT	7,400	7,400
114	POLLUTION CONTROL EQUIPMENT	2,713	2,713
115	ITEMS UNDER $5 MILLION	35,540	35,540
116	PHYSICAL SECURITY VEHICLES	1,155	1,155
	SUPPLY SUPPORT EQUIPMENT		
117	SUPPLY EQUIPMENT	18,786	18,786
118	FIRST DESTINATION TRANSPORTATION	5,375	5,375
119	SPECIAL PURPOSE SUPPLY SYSTEMS	580,371	580,371
	TRAINING DEVICES		
120	TRAINING SUPPORT EQUIPMENT	3,400	3,400
121	TRAINING AND EDUCATION EQUIPMENT	24,283	24,283
	COMMAND SUPPORT EQUIPMENT		
122	COMMAND SUPPORT EQUIPMENT	66,681	66,681
123	MEDICAL SUPPORT EQUIPMENT	3,352	3,352
125	NAVAL MIP SUPPORT EQUIPMENT	1,984	1,984
126	OPERATING FORCES SUPPORT EQUIPMENT	15,131	15,131
127	C4ISR EQUIPMENT	3,576	3,576
128	ENVIRONMENTAL SUPPORT EQUIPMENT	31,902	31,902
129	PHYSICAL SECURITY EQUIPMENT	175,436	195,436
	New Navy port waterborne security barriers increase		[20,000]
130	ENTERPRISE INFORMATION TECHNOLOGY	25,393	25,393
	OTHER		
133	NEXT GENERATION ENTERPRISE SERVICE	96,269	96,269
	CLASSIFIED PROGRAMS	15,681	15,681
	CLASSIFIED PROGRAMS		
	SPARES AND REPAIR PARTS		
134	SPARES AND REPAIR PARTS	326,838	326,838
	TOTAL OTHER PROCUREMENT, NAVY	**9,414,355**	**9,373,855**
	PROCUREMENT, MARINE CORPS		
	TRACKED COMBAT VEHICLES		
1	AAV7A1 PIP	156,249	78,149
	Unjustified investment in a vehicle with low/limited combat utility		[–78,100]
2	AMPHIBIOUS COMBAT VEHICLE 1.1	167,478	167,478
3	LAV PIP	43,701	43,701
	ARTILLERY AND OTHER WEAPONS		
5	155MM LIGHTWEIGHT TOWED HOWITZER	47,158	47,158
6	ARTILLERY WEAPONS SYSTEM	134,246	134,246
7	WEAPONS AND COMBAT VEHICLES UNDER $5 MILLION	40,687	40,687
	OTHER SUPPORT		
8	MODIFICATION KITS	22,904	22,904
	GUIDED MISSILES		
9	GROUND BASED AIR DEFENSE	18,334	18,334
10	ANTI-ARMOR MISSILE-JAVELIN	3,020	3,020
11	FAMILY ANTI-ARMOR WEAPON SYSTEMS (FOAAWS)	13,760	13,760
12	ANTI-ARMOR MISSILE-TOW	59,702	59,702
	COMMAND AND CONTROL SYSTEMS		
13	COMMON AVIATION COMMAND AND CONTROL SYSTEM (C	35,467	35,467
	REPAIR AND TEST EQUIPMENT		
14	REPAIR AND TEST EQUIPMENT	46,081	46,081
	OTHER SUPPORT (TEL)		
15	MODIFICATION KITS	971	971
	COMMAND AND CONTROL SYSTEM (NON-TEL)		
16	ITEMS UNDER $5 MILLION (COMM & ELEC)	69,203	69,203

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
17	AIR OPERATIONS C2 SYSTEMS	14,269	14,269
	RADAR + EQUIPMENT (NON-TEL)		
18	RADAR SYSTEMS	6,694	6,694
19	GROUND/AIR TASK ORIENTED RADAR (G/ATOR)	224,969	224,969
	INTELL/COMM EQUIPMENT (NON-TEL)		
21	GCSS-MC	1,187	1,187
22	FIRE SUPPORT SYSTEM	60,189	60,189
23	INTELLIGENCE SUPPORT EQUIPMENT	73,848	73,848
25	UNMANNED AIR SYSTEMS (INTEL)	3,848	3,848
26	DCGS-MC	16,081	16,081
	OTHER SUPPORT (NON-TEL)		
30	NEXT GENERATION ENTERPRISE NETWORK (NGEN)	87,120	87,120
31	COMMON COMPUTER RESOURCES	68,914	68,914
32	COMMAND POST SYSTEMS	124,838	99,870
	Operational limitations of NOTM		[–24,968]
33	RADIO SYSTEMS	279,680	279,680
34	COMM SWITCHING & CONTROL SYSTEMS	36,649	36,649
35	COMM & ELEC INFRASTRUCTURE SUPPORT	83,971	83,971
	CLASSIFIED PROGRAMS	3,626	3,626
	CLASSIFIED PROGRAMS		
	ADMINISTRATIVE VEHICLES		
36	COMMERCIAL CARGO VEHICLES	25,441	25,441
	TACTICAL VEHICLES		
37	MOTOR TRANSPORT MODIFICATIONS	11,392	11,392
38	JOINT LIGHT TACTICAL VEHICLE	607,011	607,011
39	FAMILY OF TACTICAL TRAILERS	2,393	2,393
40	TRAILERS	6,540	6,540
	ENGINEER AND OTHER EQUIPMENT		
41	ENVIRONMENTAL CONTROL EQUIP ASSORT	496	496
42	TACTICAL FUEL SYSTEMS	54	54
43	POWER EQUIPMENT ASSORTED	21,062	21,062
44	AMPHIBIOUS SUPPORT EQUIPMENT	5,290	5,290
45	EOD SYSTEMS	47,854	47,854
	MATERIALS HANDLING EQUIPMENT		
46	PHYSICAL SECURITY EQUIPMENT	28,306	28,306
	GENERAL PROPERTY		
47	FIELD MEDICAL EQUIPMENT	33,513	33,513
48	TRAINING DEVICES	52,040	41,632
	Excess to need		[–10,408]
49	FAMILY OF CONSTRUCTION EQUIPMENT	36,156	36,156
50	FAMILY OF INTERNALLY TRANSPORTABLE VEH (ITV)	606	606
	OTHER SUPPORT		
51	ITEMS LESS THAN $5 MILLION	11,608	11,608
	SPARES AND REPAIR PARTS		
53	SPARES AND REPAIR PARTS	25,804	25,804
	TOTAL PROCUREMENT, MARINE CORPS	**2,860,410**	**2,746,934**
	AIRCRAFT PROCUREMENT, AIR FORCE		
	TACTICAL FORCES		
1	F–35	4,261,021	4,193,521
	Program Realignment		[–67,500]
2	F–35 AP	406,000	406,000
18	O/A-X LIGHT ATTACK AIRCRAFT	0	350,000
	Procurement of OA-X aircraft and long lead materials		[350,000]
	OTHER COMBAT AIRCRAFT		
3	C–135B	222,176	222,176
	TACTICAL AIRLIFT		
4	KC–46A TANKER	2,559,911	2,312,011
	Interim contractor support		[–102,700]
	Restore program accountability		[–145,200]
	OTHER AIRLIFT		
5	C–130J	35,858	35,858
6	HC–130J	129,437	129,437
8	MC–130J	770,201	770,201
9	MC–130J AP	218,000	218,000
	HELICOPTERS		
11	COMBAT RESCUE HELICOPTER	680,201	680,201
	MISSION SUPPORT AIRCRAFT		
13	CIVIL AIR PATROL A/C	2,719	2,719
	OTHER AIRCRAFT		
14	TARGET DRONES	139,053	139,053
15	COMPASS CALL MODS	108,113	108,113
17	MQ–9	221,707	341,707
	Increase to accelerate Advanced Battle Management System		[120,000]
	STRATEGIC AIRCRAFT		
19	B–2A	60,301	60,301
20	B–1B	51,290	51,290
21	B–52	105,519	100,719

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Line	Item	FY 2019 Request	Senate Authorized
	Air Force requested realignment		*[–14,800]*
	LRASM certification		*[10,000]*
	TACTICAL AIRCRAFT		
23	*A–10*	98,720	163,720
	Additional replacement wings		*[65,000]*
24	*C–130J*	10,831	10,831
25	*F–15*	548,109	548,109
26	*F–16*	324,323	324,323
27	*F–22A*	250,710	250,710
29	*F–35 MODIFICATIONS*	247,271	297,271
	F–35A Modifications increase		*[50,000]*
30	*F–15 EPAW*	147,685	147,685
31	*INCREMENT 3.2B*	9,007	9,007
33	*KC–46A TANKER*	8,547	8,547
	AIRLIFT AIRCRAFT		
34	*C–5*	77,845	77,845
36	*C–17A*	102,121	102,121
37	*C–21*	17,516	17,516
38	*C–32A*	4,537	4,537
39	*C–37A*	419	419
	TRAINER AIRCRAFT		
41	*GLIDER MODS*	137	137
42	*T–6*	22,550	22,550
43	*T–1*	21,952	21,952
44	*T–38*	70,623	70,623
	OTHER AIRCRAFT		
45	*U–2 MODS*	48,774	48,774
46	*KC–10A (ATCA)*	11,104	11,104
47	*C–12*	4,900	4,900
48	*VC–25A MOD*	36,938	36,938
49	*C–40*	251	251
50	*C–130*	22,094	96,094
	T56 Series 3.5 Engine Enhancement packages		*[74,000]*
51	*C–130J MODS*	132,045	132,045
52	*C–135*	113,076	113,076
53	*OC–135B*	5,913	5,913
54	*COMPASS CALL MODS*	49,885	49,885
55	*COMBAT FLIGHT INSPECTION (CFIN)*	499	499
56	*RC–135*	394,532	394,532
57	*E–3*	133,906	133,906
58	*E–4*	67,858	67,858
59	*E–8*	9,919	34,919
	Central Computer upgrade design		*[25,000]*
60	*AIRBORNE WARNING AND CNTR SYS (AWACS) 40/45*	57,780	57,780
61	*FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS*	14,293	14,293
62	*H–1*	2,940	2,940
63	*H–60*	55,466	55,466
64	*RQ–4 MODS*	23,715	23,715
65	*HC/MC–130 MODIFICATIONS*	37,754	37,754
66	*OTHER AIRCRAFT*	62,010	62,010
67	*MQ–9 MODS*	171,548	171,548
69	*CV–22 MODS*	60,416	60,416
	AIRCRAFT SPARES AND REPAIR PARTS		
70	*INITIAL SPARES/REPAIR PARTS*	956,408	1,006,408
	F–35A spares		*[50,000]*
	COMMON SUPPORT EQUIPMENT		
71	*AIRCRAFT REPLACEMENT SUPPORT EQUIP*	81,241	81,241
	POST PRODUCTION SUPPORT		
74	*B–2A*	1,763	1,763
75	*B–2B*	35,861	35,861
76	*B–52*	12,819	12,819
77	*C–17A*	10,114	10,114
79	*F–15*	2,545	2,545
81	*F–16*	11,718	11,718
82	*F–22A*	14,489	14,489
83	*OTHER AIRCRAFT*	9,928	9,928
84	*RQ–4 POST PRODUCTION CHARGES*	40,641	40,641
	INDUSTRIAL PREPAREDNESS		
86	*INDUSTRIAL RESPONSIVENESS*	17,378	17,378
	WAR CONSUMABLES		
88	*WAR CONSUMABLES*	29,342	29,342
	OTHER PRODUCTION CHARGES		
89	*OTHER PRODUCTION CHARGES*	1,502,386	1,502,386
	CLASSIFIED PROGRAMS	28,278	28,278
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	**16,206,937**	**16,620,737**
	MISSILE PROCUREMENT, AIR FORCE		
	MISSILE REPLACEMENT EQUIPMENT—BALLISTIC		

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
1	MISSILE REPLACEMENT EQ-BALLISTIC	36,786	36,786
	TACTICAL		
2	JOINT AIR-SURFACE STANDOFF MISSILE	430,708	430,708
3	LRASM0	44,185	54,385
	Restore reduction		[10,200]
4	SIDEWINDER (AIM–9X)	121,253	121,253
5	AMRAAM	337,886	337,886
6	PREDATOR HELLFIRE MISSILE	113,765	113,765
7	SMALL DIAMETER BOMB	105,034	105,034
8	SMALL DIAMETER BOMB II	100,861	92,861
	Unit price adjustment		[–8,000]
	INDUSTRIAL FACILITIES		
9	INDUSTR'L PREPAREDNS/POL PREVENTION	787	787
	CLASS IV		
10	ICBM FUZE MOD	15,767	15,767
11	ICBM FUZE MOD AP	4,100	4,100
12	MM III MODIFICATIONS	129,199	129,199
13	AGM–65D MAVERICK	288	288
14	AIR LAUNCH CRUISE MISSILE (ALCM)	47,632	47,632
	MISSILE SPARES AND REPAIR PARTS		
16	REPLEN SPARES/REPAIR PARTS	97,481	97,481
	SPECIAL PROGRAMS		
18	SPECIAL UPDATE PROGRAMS	188,539	188,539
	CLASSIFIED PROGRAMS	895,183	895,183
	TOTAL MISSILE PROCUREMENT, AIR FORCE	**2,669,454**	**2,671,654**
	SPACE PROCUREMENT, AIR FORCE		
	SPACE PROGRAMS		
1	ADVANCED EHF	29,829	29,829
2	AF SATELLITE COMM SYSTEM	35,400	35,400
3	COUNTERSPACE SYSTEMS	1,121	1,121
4	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	27,867	27,867
5	WIDEBAND GAPFILLER SATELLITES(SPACE)	61,606	61,606
6	GENERAL INFORMATION TECH—SPACE	3,425	3,425
7	GPS III SPACE SEGMENT	69,386	69,386
8	GLOBAL POSTIONING (SPACE)	2,181	2,181
9	INTEG BROADCAST SERV	16,445	16,445
10	SPACEBORNE EQUIP (COMSEC)	31,895	31,895
12	MILSATCOM	11,265	11,265
13	EVOLVED EXPENDABLE LAUNCH CAPABILITY	709,981	709,981
14	EVOLVED EXPENDABLE LAUNCH VEH(SPACE)	994,555	994,555
15	SBIR HIGH (SPACE)	138,397	138,397
17	NUDET DETECTION SYSTEM	7,705	7,705
18	ROCKET SYSTEMS LAUNCH PROGRAM	47,609	47,609
19	SPACE FENCE	51,361	51,361
20	SPACE MODS	148,065	148,065
21	SPACELIFT RANGE SYSTEM SPACE	117,637	117,637
	SPARES		
22	SPARES AND REPAIR PARTS	21,812	21,812
	TOTAL SPACE PROCUREMENT, AIR FORCE	**2,527,542**	**2,527,542**
	PROCUREMENT OF AMMUNITION, AIR FORCE		
	ROCKETS		
1	ROCKETS	345,911	345,911
	CARTRIDGES		
2	CARTRIDGES	163,840	163,840
	BOMBS		
3	PRACTICE BOMBS	20,876	20,876
4	GENERAL PURPOSE BOMBS	259,308	259,308
5	MASSIVE ORDNANCE PENETRATOR (MOP)	38,111	38,111
6	JOINT DIRECT ATTACK MUNITION	234,198	234,198
7	B61	109,292	109,292
8	B61 AP	52,731	52,731
	OTHER ITEMS		
9	CAD/PAD	51,455	51,455
10	EXPLOSIVE ORDNANCE DISPOSAL (EOD)	6,038	6,038
11	SPARES AND REPAIR PARTS	524	524
12	MODIFICATIONS	1,270	1,270
13	ITEMS LESS THAN $5,000,000	4,604	4,604
	FLARES		
15	FLARES	125,286	125,286
	FUZES		
16	FUZES	109,358	109,358
	SMALL ARMS		
17	SMALL ARMS	64,502	64,502
	TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE	**1,587,304**	**1,587,304**
	OTHER PROCUREMENT, AIR FORCE		

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	PASSENGER CARRYING VEHICLES		
1	PASSENGER CARRYING VEHICLES	6,949	6,949
	CARGO AND UTILITY VEHICLES		
2	MEDIUM TACTICAL VEHICLE	36,002	36,002
3	CAP VEHICLES	1,022	1,022
4	CARGO AND UTILITY VEHICLES	42,696	49,879
	Procurement of 7 DABs for PACOM		[7,183]
	SPECIAL PURPOSE VEHICLES		
5	JOINT LIGHT TACTICAL VEHICLE	30,145	30,145
6	SECURITY AND TACTICAL VEHICLES	1,230	3,903
	Procurement of 7 DABs for PACOM		[2,673]
7	SPECIAL PURPOSE VEHICLES	43,003	53,693
	Procurement of 7 DABs for PACOM		[10,690]
	FIRE FIGHTING EQUIPMENT		
8	FIRE FIGHTING/CRASH RESCUE VEHICLES	23,328	32,308
	Procurement of 7 DABs for PACOM		[8,980]
	MATERIALS HANDLING EQUIPMENT		
9	MATERIALS HANDLING VEHICLES	11,537	31,309
	Procurement of 7 DABs for PACOM		[19,772]
	BASE MAINTENANCE SUPPORT		
10	RUNWAY SNOW REMOV AND CLEANING EQU	37,600	40,353
	Procurement of 7 DABs for PACOM		[2,753]
11	BASE MAINTENANCE SUPPORT VEHICLES	104,923	104,923
	COMM SECURITY EQUIPMENT(COMSEC)		
12	COMSEC EQUIPMENT	114,372	114,372
	INTELLIGENCE PROGRAMS		
13	INTERNATIONAL INTEL TECH & ARCHITECTURES	8,290	8,290
14	INTELLIGENCE TRAINING EQUIPMENT	2,099	2,099
15	INTELLIGENCE COMM EQUIPMENT	37,415	37,415
	ELECTRONICS PROGRAMS		
16	AIR TRAFFIC CONTROL & LANDING SYS	57,937	57,937
18	BATTLE CONTROL SYSTEM—FIXED	3,012	3,012
19	THEATER AIR CONTROL SYS IMPROVEMEN	19,989	19,989
20	WEATHER OBSERVATION FORECAST	45,020	45,020
21	STRATEGIC COMMAND AND CONTROL	32,836	32,836
22	CHEYENNE MOUNTAIN COMPLEX	12,454	12,454
23	MISSION PLANNING SYSTEMS	14,263	14,263
25	INTEGRATED STRAT PLAN & ANALY NETWORK (ISPAN)	7,769	7,769
	SPCL COMM-ELECTRONICS PROJECTS		
26	GENERAL INFORMATION TECHNOLOGY	40,450	40,450
27	AF GLOBAL COMMAND & CONTROL SYS	6,619	6,619
28	MOBILITY COMMAND AND CONTROL	10,192	10,192
29	AIR FORCE PHYSICAL SECURITY SYSTEM	159,313	161,315
	Procurement of 7 DABs for PACOM		[2,002]
30	COMBAT TRAINING RANGES	132,675	132,675
31	MINIMUM ESSENTIAL EMERGENCY COMM N	140,875	140,875
32	WIDE AREA SURVEILLANCE (WAS)	92,104	92,104
33	C3 COUNTERMEASURES	45,152	45,152
34	GCSS-AF FOS	483	483
35	DEFENSE ENTERPRISE ACCOUNTING & MGT SYS	802	802
36	MAINTENANCE REPAIR & OVERHAUL INITIATIVE	12,207	12,207
37	THEATER BATTLE MGT C2 SYSTEM	7,644	7,644
38	AIR & SPACE OPERATIONS CENTER (AOC)	40,066	40,066
	AIR FORCE COMMUNICATIONS		
41	BASE INFORMATION TRANSPT INFRAST (BITI) WIRED	22,357	22,357
42	AFNET	102,836	102,836
43	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	3,145	3,145
44	USCENTCOM	13,194	13,194
	ORGANIZATION AND BASE		
45	TACTICAL C-E EQUIPMENT	161,231	161,231
47	RADIO EQUIPMENT	12,142	12,142
48	CCTV/AUDIOVISUAL EQUIPMENT	6,505	6,505
49	BASE COMM INFRASTRUCTURE	169,404	169,404
	MODIFICATIONS		
50	COMM ELECT MODS	10,654	10,654
	PERSONAL SAFETY & RESCUE EQUIP		
51	PERSONAL SAFETY AND RESCUE EQUIPMENT	51,906	51,906
	DEPOT PLANT+MTRLS HANDLING EQ		
52	MECHANIZED MATERIAL HANDLING EQUIP	88,298	88,298
	BASE SUPPORT EQUIPMENT		
53	BASE PROCURED EQUIPMENT	17,031	17,031
54	ENGINEERING AND EOD EQUIPMENT	82,635	82,635
55	MOBILITY EQUIPMENT	9,549	9,549
56	BASE MAINTENANCE AND SUPPORT EQUIPMENT	24,005	48,048
	Procurement of 7 DABs for PACOM		[24,043]
	SPECIAL SUPPORT PROJECTS		
58	DARP RC135	26,262	26,262
59	DCGS-AF	448,290	448,290

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
61	SPECIAL UPDATE PROGRAM	913,813	913,813
	CLASSIFIED PROGRAMS	17,258,069	17,258,069
	CLASSIFIED PROGRAMS		
	SPARES AND REPAIR PARTS		
63	SPARES AND REPAIR PARTS	86,365	86,365
	TOTAL OTHER PROCUREMENT, AIR FORCE	**20,890,164**	**20,968,260**
	PROCUREMENT, DEFENSE-WIDE		
	MAJOR EQUIPMENT, OSD		
43	MAJOR EQUIPMENT, OSD	35,295	35,295
	MAJOR EQUIPMENT, NSA		
42	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)	5,403	5,403
	MAJOR EQUIPMENT, WHS		
46	MAJOR EQUIPMENT, WHS	497	497
	MAJOR EQUIPMENT, DISA		
7	INFORMATION SYSTEMS SECURITY	21,590	41,590
	Sharkseer		[20,000]
8	TELEPORT PROGRAM	33,905	33,905
9	ITEMS LESS THAN $5 MILLION	27,886	27,886
10	NET CENTRIC ENTERPRISE SERVICES (NCES)	1,017	1,017
11	DEFENSE INFORMATION SYSTEM NETWORK	150,674	150,674
13	WHITE HOUSE COMMUNICATION AGENCY	94,610	94,610
14	SENIOR LEADERSHIP ENTERPRISE	197,246	197,246
15	JOINT REGIONAL SECURITY STACKS (JRSS)	140,338	140,338
16	JOINT SERVICE PROVIDER	107,182	87,682
	General reduction		[–19,500]
	MAJOR EQUIPMENT, DLA		
18	MAJOR EQUIPMENT	5,225	5,225
	MAJOR EQUIPMENT, DSS		
21	MAJOR EQUIPMENT	1,196	1,196
	MAJOR EQUIPMENT, DCAA		
1	ITEMS LESS THAN $5 MILLION	2,542	2,542
	MAJOR EQUIPMENT, TJS		
44	MAJOR EQUIPMENT, TJS	4,360	4,360
45	MAJOR EQUIPMENT, TJS—CE2T2	904	904
	MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY		
26	THAAD	874,068	874,068
27	GROUND BASED MIDCOURSE	409,000	409,000
28	GROUND BASED MIDCOURSE AP	115,000	115,000
29	AEGIS BMD	593,488	593,488
30	AEGIS BMD AP	115,206	115,206
31	BMDS AN/TPY–2 RADARS	13,185	13,185
32	ISRAELI PROGRAMS	80,000	80,000
33	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD)	50,000	50,000
34	AEGIS ASHORE PHASE III	15,000	15,000
35	IRON DOME	70,000	70,000
36	AEGIS BMD HARDWARE AND SOFTWARE	97,057	97,057
	MAJOR EQUIPMENT, DHRA		
3	PERSONNEL ADMINISTRATION	10,630	10,630
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY		
23	VEHICLES	207	207
24	OTHER MAJOR EQUIPMENT	5,592	5,592
	MAJOR EQUIPMENT, DODEA		
20	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS	1,723	1,723
	MAJOR EQUIPMENT, DCMA		
2	MAJOR EQUIPMENT	3,873	3,873
	MAJOR EQUIPMENT, DMACT		
19	MAJOR EQUIPMENT	13,106	13,106
	CLASSIFIED PROGRAMS	589,691	589,691
	CLASSIFIED PROGRAMS		
	AVIATION PROGRAMS		
50	ROTARY WING UPGRADES AND SUSTAINMENT	148,351	148,351
51	UNMANNED ISR	57,708	57,708
52	NON-STANDARD AVIATION	18,731	18,731
53	U–28	32,301	32,301
54	MH–47 CHINOOK	131,033	131,033
55	CV–22 MODIFICATION	32,529	32,529
56	MQ–9 UNMANNED AERIAL VEHICLE	24,621	24,621
57	PRECISION STRIKE PACKAGE	226,965	226,965
58	AC/MC–130J	165,813	165,813
59	C–130 MODIFICATIONS	80,274	80,274
	SHIPBUILDING		
60	UNDERWATER SYSTEMS	136,723	136,723
	AMMUNITION PROGRAMS		
61	ORDNANCE ITEMS <$5M	357,742	357,742
	OTHER PROCUREMENT PROGRAMS		
62	INTELLIGENCE SYSTEMS	85,699	85,699
63	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	17,863	17,863

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
64	OTHER ITEMS <$5M	112,117	112,117
65	COMBATANT CRAFT SYSTEMS	7,313	7,313
66	SPECIAL PROGRAMS	14,026	14,026
67	TACTICAL VEHICLES	88,608	88,608
68	WARRIOR SYSTEMS <$5M	438,590	438,590
69	COMBAT MISSION REQUIREMENTS	19,408	19,408
70	GLOBAL VIDEO SURVEILLANCE ACTIVITIES	6,281	6,281
71	OPERATIONAL ENHANCEMENTS INTELLIGENCE	18,509	18,509
73	OPERATIONAL ENHANCEMENTS	367,433	367,433
	CBDP		
74	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS	166,418	166,418
75	CB PROTECTION & HAZARD MITIGATION	144,519	144,519
	TOTAL PROCUREMENT, DEFENSE-WIDE	**6,786,271**	**6,786,771**
	JOINT URGENT OPERATIONAL NEEDS FUND		
	JOINT URGENT OPERATIONAL NEEDS FUND		
1	JOINT URGENT OPERATIONAL NEEDS FUND	100,025	100,025
	TOTAL JOINT URGENT OPERATIONAL NEEDS FUND	**100,025**	**100,025**
	TOTAL PROCUREMENT	**130,526,043**	**131,998,763**

1 **SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY**

2 **OPERATIONS.**

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	AIRCRAFT PROCUREMENT, ARMY		
	FIXED WING		
3	MQ–1 UAV	60,000	60,000
	ROTARY		
11	UH–60 BLACKHAWK M MODEL (MYP)	21,246	21,246
14	CH–47 HELICOPTER	25,000	25,000
	MODIFICATION OF AIRCRAFT		
17	MQ–1 PAYLOAD (MIP)	11,400	11,400
19	GRAY EAGLE MODS2	32,000	32,000
20	MULTI SENSOR ABN RECON (MIP)	51,000	51,000
32	RQ–7 UAV MODS	50,868	50,868
33	UAS MODS	3,402	3,402
	GROUND SUPPORT AVIONICS		
36	CMWS	84,387	84,387
37	COMMON INFRARED COUNTERMEASURES (CIRCM)	24,060	24,060
	TOTAL AIRCRAFT PROCUREMENT, ARMY	**363,363**	**363,363**
	MISSILE PROCUREMENT, ARMY		
	SURFACE-TO-AIR MISSILE SYSTEM		
2	MSE MISSILE	260,000	260,000
	AIR-TO-SURFACE MISSILE SYSTEM		
5	HELLFIRE SYS SUMMARY	255,040	255,040
	ANTI-TANK/ASSAULT MISSILE SYS		
8	JAVELIN (AAWS-M) SYSTEM SUMMARY	31,120	31,120
11	GUIDED MLRS ROCKET (GMLRS)	624,500	624,500
13	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS	171,138	171,138
14	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS	112,973	112,973
	MODIFICATIONS		
16	ATACMS MODS	225,580	225,580
21	MLRS MODS	122,000	122,000
	TOTAL MISSILE PROCUREMENT, ARMY	**1,802,351**	**1,802,351**
	PROCUREMENT OF W&TCV, ARMY		
	TRACKED COMBAT VEHICLES		
1	BRADLEY PROGRAM	205,000	205,000
2	ARMORED MULTI PURPOSE VEHICLE (AMPV)	230,359	230,359
	MODIFICATION OF TRACKED COMBAT VEHICLES		
6	BRADLEY PROGRAM (MOD)	50,000	50,000
8	PALADIN INTEGRATED MANAGEMENT (PIM)	67,000	67,000
9	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	42,354	42,354
14	M1 ABRAMS TANK (MOD)	34,000	34,000
15	ABRAMS UPGRADE PROGRAM	455,000	455,000
	WEAPONS & OTHER COMBAT VEHICLES		
18	M240 MEDIUM MACHINE GUN (7.62MM)	126	126
22	MORTAR SYSTEMS	11,842	11,842

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
25	CARBINE	1,800	1,800
27	COMMON REMOTELY OPERATED WEAPONS STATION	3,378	3,378
	MOD OF WEAPONS AND OTHER COMBAT VEH		
32	M2 50 CAL MACHINE GUN MODS	4,920	4,920
34	M240 MEDIUM MACHINE GUN MODS	7	7
	SUPPORT EQUIPMENT & FACILITIES		
39	ITEMS LESS THAN $5.0M (WOCV-WTCV)	1,397	1,397
	TOTAL PROCUREMENT OF W&TCV, ARMY	**1,107,183**	**1,107,183**
	PROCUREMENT OF AMMUNITION, ARMY		
	SMALL/MEDIUM CAL AMMUNITION		
1	CTG, 5.56MM, ALL TYPES	3,392	3,392
2	CTG, 7.62MM, ALL TYPES	40	40
3	CTG, HANDGUN, ALL TYPES	17	17
4	CTG, .50 CAL, ALL TYPES	189	189
5	CTG, 20MM, ALL TYPES	1,605	1,605
7	CTG, 30MM, ALL TYPES	25,000	25,000
	MORTAR AMMUNITION		
9	60MM MORTAR, ALL TYPES	218	218
10	81MM MORTAR, ALL TYPES	484	484
	ARTILLERY AMMUNITION		
14	ARTILLERY PROJECTILE, 155MM, ALL TYPES	79,400	79,400
15	PROJ 155MM EXTENDED RANGE M982	72,985	72,985
16	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL	63,900	63,900
	ROCKETS		
18	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	22,242	22,242
19	ROCKET, HYDRA 70, ALL TYPES	39,974	39,974
	OTHER AMMUNITION		
21	DEMOLITION MUNITIONS, ALL TYPES	5	5
22	GRENADES, ALL TYPES	8	8
	MISCELLANEOUS		
27	ITEMS LESS THAN $5 MILLION (AMMO)	66	66
	TOTAL PROCUREMENT OF AMMUNITION, ARMY	**309,525**	**309,525**
	OTHER PROCUREMENT, ARMY		
	TACTICAL VEHICLES		
2	SEMITRAILERS, FLATBED:	8,000	8,000
3	AMBULANCE, 4 LITTER, 5/4 TON, 4X4	20,770	20,770
10	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	115,400	115,400
12	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	6,682	6,682
13	TACTICAL WHEELED VEHICLE PROTECTION KITS	50,000	50,000
14	MODIFICATION OF IN SVC EQUIP	186,377	186,377
	COMM—SATELLITE COMMUNICATIONS		
28	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS	7,100	7,100
	COMM—COMBAT COMMUNICATIONS		
37	JOINT TACTICAL RADIO SYSTEM	1,560	1,560
42	TRACTOR RIDE	13,190	13,190
45	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM	9,549	9,549
47	COTS COMMUNICATIONS EQUIPMENT	22,000	22,000
	COMM—INTELLIGENCE COMM		
50	CI AUTOMATION ARCHITECTURE (MIP)	9,800	9,800
	INFORMATION SECURITY		
55	COMMUNICATIONS SECURITY (COMSEC)	3	3
	COMM—LONG HAUL COMMUNICATIONS		
59	BASE SUPPORT COMMUNICATIONS	690	690
	COMM—BASE COMMUNICATIONS		
60	INFORMATION SYSTEMS	8,750	8,750
63	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	60,337	60,337
	ELECT EQUIP—TACT INT REL ACT (TIARA)		
68	DCGS-A (MIP)	37,806	37,806
70	TROJAN (MIP)	6,926	6,926
71	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	2,011	2,011
75	BIOMETRIC TACTICAL COLLECTION DEVICES (MIP)	5,370	5,370
	ELECT EQUIP—ELECTRONIC WARFARE (EW)		
80	CREW	42,651	42,651
81	FAMILY OF PERSISTENT SURVEILLANCE CAP. (MIP)	20,050	20,050
82	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	12,974	12,974
	ELECT EQUIP—TACTICAL SURV. (TAC SURV)		
85	NIGHT VISION DEVICES	463	463
86	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM	2,861	2,861
87	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	60	60
88	RADIATION MONITORING SYSTEMS	11	11
90	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	251,062	251,062
91	FAMILY OF WEAPON SIGHTS (FWS)	525	525
94	JOINT BATTLE COMMAND—PLATFORM (JBC-P)	26,146	26,146
96	MOD OF IN-SVC EQUIP (LLDR)	4,050	4,050
97	COMPUTER BALLISTICS: LHMBC XM32	960	960
98	MORTAR FIRE CONTROL SYSTEM	7,660	7,660

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
99	COUNTERFIRE RADARS	165,200	165,200
	ELECT EQUIP—AUTOMATION		
112	AUTOMATED DATA PROCESSING EQUIP	28,475	28,475
	CHEMICAL DEFENSIVE EQUIPMENT		
121	PROTECTIVE SYSTEMS	27	27
122	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	20,200	20,200
123	BASE DEFENSE SYSTEMS (BDS)	39,200	39,200
124	CBRN DEFENSE	2,317	2,317
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT		
129	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)	16,000	16,000
130	AREA MINE DETECTION SYSTEM (AMDS)	1	1
132	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS)	4,850	4,850
136	REMOTE DEMOLITION SYSTEMS	1	1
	COMBAT SERVICE SUPPORT EQUIPMENT		
139	HEATERS AND ECU'S	270	270
141	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	4,300	4,300
142	GROUND SOLDIER SYSTEM	1,725	1,725
144	FORCE PROVIDER	55,800	55,800
145	FIELD FEEDING EQUIPMENT	1,035	1,035
146	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	1,980	1,980
	MEDICAL EQUIPMENT		
151	COMBAT SUPPORT MEDICAL	17,527	17,527
	MAINTENANCE EQUIPMENT		
153	ITEMS LESS THAN $5.0M (MAINT EQ)	268	268
	CONSTRUCTION EQUIPMENT		
159	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)	25,700	25,700
	GENERATORS		
165	GENERATORS AND ASSOCIATED EQUIP	569	569
	TEST MEASURE AND DIG EQUIPMENT (TMD)		
174	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	9,495	9,495
	OTHER SUPPORT EQUIPMENT		
176	M25 STABILIZED BINOCULAR	33	33
177	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	18,000	18,000
178	PHYSICAL SECURITY SYSTEMS (OPA3)	6,000	6,000
179	BASE LEVEL COMMON EQUIPMENT	2,080	2,080
180	MODIFICATION OF IN-SVC EQUIPMENT (OPA–3)	19,200	19,200
	TOTAL OTHER PROCUREMENT, ARMY	**1,382,047**	**1,382,047**
	AIRCRAFT PROCUREMENT, NAVY		
	OTHER AIRCRAFT		
25	STUASL0 UAV	35,065	35,065
	MODIFICATION OF AIRCRAFT		
32	SH–60 SERIES	4,858	4,858
34	EP–3 SERIES	5,380	5,380
44	SPECIAL PROJECT AIRCRAFT	2,165	2,165
49	COMMON ECM EQUIPMENT	9,820	9,820
51	COMMON DEFENSIVE WEAPON SYSTEM	3,206	3,206
61	QRC	2,410	2,410
63	RQ–21 SERIES	17,215	17,215
	TOTAL AIRCRAFT PROCUREMENT, NAVY	**80,119**	**80,119**
	WEAPONS PROCUREMENT, NAVY		
	STRATEGIC MISSILES		
3	TOMAHAWK		82,800
	Buy-back Tomahawk		[82,800]
	TACTICAL MISSILES		
4	AMRAAM	1,183	1,183
5	SIDEWINDER	381	381
12	HELLFIRE	1,530	1,530
15	AERIAL TARGETS	6,500	6,500
	GUNS AND GUN MOUNTS		
35	SMALL ARMS AND WEAPONS	1,540	1,540
	MODIFICATION OF GUNS AND GUN MOUNTS		
38	GUN MOUNT MODS	3,000	3,000
	TOTAL WEAPONS PROCUREMENT, NAVY	**14,134**	**96,934**
	PROCUREMENT OF AMMO, NAVY & MC		
	NAVY AMMUNITION		
1	GENERAL PURPOSE BOMBS	62,530	62,530
2	JDAM	93,019	93,019
3	AIRBORNE ROCKETS, ALL TYPES	2,163	2,163
4	MACHINE GUN AMMUNITION	5,000	5,000
6	CARTRIDGES & CART ACTUATED DEVICES	5,334	5,334
7	AIR EXPENDABLE COUNTERMEASURES	36,580	36,580
8	JATOS	747	747
11	OTHER SHIP GUN AMMUNITION	2,538	2,538
13	PYROTECHNIC AND DEMOLITION	1,807	1,807
15	AMMUNITION LESS THAN $5 MILLION	2,229	229

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	Excess balances		*[–2,000]*
	MARINE CORPS AMMUNITION		
19	MORTARS	2,018	2,018
21	DIRECT SUPPORT MUNITIONS	632	632
22	INFANTRY WEAPONS AMMUNITION	779	779
26	COMBAT SUPPORT MUNITIONS	164	164
29	ARTILLERY MUNITIONS	31,001	31,001
	TOTAL PROCUREMENT OF AMMO, NAVY & MC	**246,541**	**244,541**
	OTHER PROCUREMENT, NAVY		
	OTHER SHIPBOARD EQUIPMENT		
21	UNDERWATER EOD PROGRAMS	9,200	9,200
	SMALL BOATS		
28	STANDARD BOATS	19,060	19,060
	ASW ELECTRONIC EQUIPMENT		
43	FIXED SURVEILLANCE SYSTEM	56,950	56,950
	SATELLITE COMMUNICATIONS		
77	SATELLITE COMMUNICATIONS SYSTEMS	3,200	3,200
	CRYPTOLOGIC EQUIPMENT		
82	CRYPTOLOGIC COMMUNICATIONS EQUIP	2,000	2,000
	SONOBUOYS		
88	SONOBUOYS—ALL TYPES	21,156	21,156
	OTHER ORDNANCE SUPPORT EQUIPMENT		
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	33,580	33,580
	CIVIL ENGINEERING SUPPORT EQUIPMENT		
108	PASSENGER CARRYING VEHICLES	170	170
109	GENERAL PURPOSE TRUCKS	400	400
111	FIRE FIGHTING EQUIPMENT	770	770
112	TACTICAL VEHICLES	7,298	7,298
	SUPPLY SUPPORT EQUIPMENT		
118	FIRST DESTINATION TRANSPORTATION	500	500
	COMMAND SUPPORT EQUIPMENT		
123	MEDICAL SUPPORT EQUIPMENT	6,500	6,500
128	ENVIRONMENTAL SUPPORT EQUIPMENT	2,200	2,200
129	PHYSICAL SECURITY EQUIPMENT	19,389	19,389
	CLASSIFIED PROGRAMS	4,800	4,800
	TOTAL OTHER PROCUREMENT, NAVY	**187,173**	**187,173**
	PROCUREMENT, MARINE CORPS		
	INTELL/COMM EQUIPMENT (NON-TEL)		
22	FIRE SUPPORT SYSTEM	5,583	5,583
	TACTICAL VEHICLES		
37	MOTOR TRANSPORT MODIFICATIONS	44,440	44,440
	ENGINEER AND OTHER EQUIPMENT		
45	EOD SYSTEMS	8,000	8,000
	TOTAL PROCUREMENT, MARINE CORPS	**58,023**	**58,023**
	AIRCRAFT PROCUREMENT, AIR FORCE		
	OTHER AIRLIFT		
6	HC–130J	100,000	100,000
	OTHER AIRCRAFT		
17	MQ–9	339,740	339,740
18	RQ–20B PUMA	13,500	13,500
	STRATEGIC AIRCRAFT		
20	B–1B	4,000	4,000
22	LARGE AIRCRAFT INFRARED COUNTERMEASURES	149,778	149,778
	TACTICAL AIRCRAFT		
23	A–10	10,350	10,350
	OTHER AIRCRAFT		
45	U–2 MODS	7,900	7,900
54	COMPASS CALL MODS	36,400	36,400
59	E–8	13,000	13,000
63	H–60	40,560	40,560
65	HC/MC–130 MODIFICATIONS	87,900	87,900
66	OTHER AIRCRAFT	53,731	53,731
68	MQ–9 UAS PAYLOADS	16,000	16,000
	AIRCRAFT SPARES AND REPAIR PARTS		
70	INITIAL SPARES/REPAIR PARTS	91,500	91,500
	COMMON SUPPORT EQUIPMENT		
71	AIRCRAFT REPLACEMENT SUPPORT EQUIP	32,529	32,529
72	OTHER PRODUCTION CHARGES	22,000	22,000
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	**1,018,888**	**1,018,888**
	MISSILE PROCUREMENT, AIR FORCE		
	TACTICAL		
2	JOINT AIR-SURFACE STANDOFF MISSILE	61,600	84,400
	Buy-back JASSM-ER		*[22,800]*
5	AMRAAM	2,600	2,600

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
6	PREDATOR HELLFIRE MISSILE	255,000	255,000
7	SMALL DIAMETER BOMB	140,724	140,724
	CLASS IV		
13	AGM–65D MAVERICK	33,602	33,602
	TOTAL MISSILE PROCUREMENT, AIR FORCE	**493,526**	**516,326**
	PROCUREMENT OF AMMUNITION, AIR FORCE		
	CARTRIDGES		
2	CARTRIDGES	29,587	29,587
	BOMBS		
4	GENERAL PURPOSE BOMBS	551,862	551,862
6	JOINT DIRECT ATTACK MUNITION	738,451	738,451
	FLARES		
15	FLARES	12,116	12,116
	FUZES		
16	FUZES	81,000	81,000
	SMALL ARMS		
17	SMALL ARMS	8,500	8,500
	TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE	**1,421,516**	**1,421,516**
	OTHER PROCUREMENT, AIR FORCE		
	PASSENGER CARRYING VEHICLES		
1	PASSENGER CARRYING VEHICLES	9,680	9,680
	CARGO AND UTILITY VEHICLES		
2	MEDIUM TACTICAL VEHICLE	9,680	9,680
4	CARGO AND UTILITY VEHICLES	19,680	19,680
	SPECIAL PURPOSE VEHICLES		
6	SECURITY AND TACTICAL VEHICLES	24,880	24,880
7	SPECIAL PURPOSE VEHICLES	34,680	34,680
	FIRE FIGHTING EQUIPMENT		
8	FIRE FIGHTING/CRASH RESCUE VEHICLES	9,736	9,736
	MATERIALS HANDLING EQUIPMENT		
9	MATERIALS HANDLING VEHICLES	24,680	24,680
	BASE MAINTENANCE SUPPORT		
10	RUNWAY SNOW REMOV AND CLEANING EQU	9,680	9,680
11	BASE MAINTENANCE SUPPORT VEHICLES	9,680	9,680
	INTELLIGENCE PROGRAMS		
15	INTELLIGENCE COMM EQUIPMENT	6,156	6,156
	ELECTRONICS PROGRAMS		
16	AIR TRAFFIC CONTROL & LANDING SYS	56,884	56,884
	SPCL COMM-ELECTRONICS PROJECTS		
29	AIR FORCE PHYSICAL SECURITY SYSTEM	46,236	46,236
37	THEATER BATTLE MGT C2 SYSTEM	2,500	2,500
	ORGANIZATION AND BASE		
45	TACTICAL C-E EQUIPMENT	27,911	27,911
	PERSONAL SAFETY & RESCUE EQUIP		
51	PERSONAL SAFETY AND RESCUE EQUIPMENT	13,600	13,600
	BASE SUPPORT EQUIPMENT		
53	BASE PROCURED EQUIPMENT	28,800	28,800
54	ENGINEERING AND EOD EQUIPMENT	53,500	53,500
55	MOBILITY EQUIPMENT	78,562	78,562
56	BASE MAINTENANCE AND SUPPORT EQUIPMENT	28,055	28,055
	SPECIAL SUPPORT PROJECTS		
59	DCGS-AF	2,000	2,000
	CLASSIFIED PROGRAMS	3,229,364	3,229,364
	TOTAL OTHER PROCUREMENT, AIR FORCE	**3,725,944**	**3,725,944**
	PROCUREMENT, DEFENSE-WIDE		
	MAJOR EQUIPMENT, DISA		
8	TELEPORT PROGRAM	3,800	3,800
17	DEFENSE INFORMATION SYSTEMS NETWORK	12,000	12,000
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY		
25	COUNTER IED & IMPROVISED THREAT TECHNOLOGIES	5,534	5,534
	CLASSIFIED PROGRAMS	41,559	41,559
	CLASSIFIED PROGRAMS		
	AVIATION PROGRAMS		
47	MANNED ISR	5,000	5,000
48	MC–12	5,000	5,000
49	MH–60 BLACKHAWK	27,600	27,600
51	UNMANNED ISR	17,000	17,000
52	NON-STANDARD AVIATION	13,000	13,000
53	U–28	51,722	51,722
54	MH–47 CHINOOK	36,500	36,500
	AMMUNITION PROGRAMS		
61	ORDNANCE ITEMS <$5M	100,850	100,850
	OTHER PROCUREMENT PROGRAMS		
62	INTELLIGENCE SYSTEMS	16,500	16,500
64	OTHER ITEMS <$5M	7,700	7,700

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
67	TACTICAL VEHICLES	59,891	59,891
68	WARRIOR SYSTEMS <$5M	21,135	21,135
69	COMBAT MISSION REQUIREMENTS	10,000	10,000
71	OPERATIONAL ENHANCEMENTS INTELLIGENCE	10,805	10,805
73	OPERATIONAL ENHANCEMENTS	126,539	126,539
	TOTAL PROCUREMENT, DEFENSE-WIDE	**572,135**	**572,135**
	TOTAL PROCUREMENT	**12,782,468**	**12,886,068**

TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
		RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY		
		BASIC RESEARCH		
1	0601101A	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	11,585	11,585
2	0601102A	DEFENSE RESEARCH SCIENCES	276,912	289,412
		Basic research increase		[7,500]
		Quantum information sciences		[5,000]
3	0601103A	UNIVERSITY RESEARCH INITIATIVES	65,283	65,283
4	0601104A	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	92,115	97,115
		Basic research program increase		[5,000]
		SUBTOTAL BASIC RESEARCH	**445,895**	**463,395**
		APPLIED RESEARCH		
5	0602105A	MATERIALS TECHNOLOGY	28,600	28,600
6	0602120A	SENSORS AND ELECTRONIC SURVIVABILITY	32,366	37,366
		Program increase		[5,000]
7	0602122A	TRACTOR HIP	8,674	8,674
8	0602126A	TRACTOR JACK	400	400
9	0602211A	AVIATION TECHNOLOGY	64,847	59,847
		Mission systems / engine and drives coordination		[–5,000]
10	0602270A	ELECTRONIC WARFARE TECHNOLOGY	25,571	25,571
11	0602303A	MISSILE TECHNOLOGY	50,183	50,183
12	0602307A	ADVANCED WEAPONS TECHNOLOGY	29,502	29,502
13	0602308A	ADVANCED CONCEPTS AND SIMULATION	28,500	38,500
		Pilot for cyber modeling and simulation		[10,000]
14	0602601A	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	70,450	70,450
15	0602618A	BALLISTICS TECHNOLOGY	75,541	75,541
16	0602622A	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY	5,032	5,032
17	0602623A	JOINT SERVICE SMALL ARMS PROGRAM	12,394	12,394
18	0602624A	WEAPONS AND MUNITIONS TECHNOLOGY	40,444	42,944
		Advanced warheads technology		[2,500]
19	0602705A	ELECTRONICS AND ELECTRONIC DEVICES	58,283	58,283
20	0602709A	NIGHT VISION TECHNOLOGY	29,582	29,582
21	0602712A	COUNTERMINE SYSTEMS	21,244	21,244
22	0602716A	HUMAN FACTORS ENGINEERING TECHNOLOGY	24,131	26,631
		General program increase		[2,500]
23	0602720A	ENVIRONMENTAL QUALITY TECHNOLOGY	13,242	13,242
24	0602782A	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	55,003	50,003
		General Program Reduction		[–5,000]
25	0602783A	COMPUTER AND SOFTWARE TECHNOLOGY	14,958	14,958
26	0602784A	MILITARY ENGINEERING TECHNOLOGY	78,159	78,159
27	0602785A	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	21,862	21,862
28	0602786A	WARFIGHTER TECHNOLOGY	40,566	40,566
29	0602787A	MEDICAL TECHNOLOGY	90,075	90,075
		SUBTOTAL APPLIED RESEARCH	**919,609**	**929,609**
		ADVANCED TECHNOLOGY DEVELOPMENT		
30	0603001A	WARFIGHTER ADVANCED TECHNOLOGY	39,338	39,338

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
31	0603002A	MEDICAL ADVANCED TECHNOLOGY	62,496	62,496
32	0603003A	AVIATION ADVANCED TECHNOLOGY	124,958	119,958
		Platform design and structures systems		[–5,000]
33	0603004A	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	102,686	122,686
		Accelerate ERCA gun		[20,000]
34	0603005A	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY	119,739	192,239
		Modular scalable powertrain		[2,500]
		Prototype Next Generation Combat Vehicle		[70,000]
35	0603006A	SPACE APPLICATION ADVANCED TECHNOLOGY	13,000	13,000
36	0603007A	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY.	8,044	8,044
37	0603009A	TRACTOR HIKE	22,631	22,631
38	0603015A	NEXT GENERATION TRAINING & SIMULATION SYSTEMS	25,682	25,682
40	0603125A	COMBATING TERRORISM—TECHNOLOGY DEVELOPMENT	3,762	3,762
41	0603130A	TRACTOR NAIL	4,896	4,896
42	0603131A	TRACTOR EGGS	6,041	6,041
43	0603270A	ELECTRONIC WARFARE TECHNOLOGY	31,491	31,491
44	0603313A	MISSILE AND ROCKET ADVANCED TECHNOLOGY	61,132	61,132
45	0603322A	TRACTOR CAGE	16,845	16,845
46	0603461A	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	183,322	188,322
		Program increase		[5,000]
47	0603606A	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY	11,104	11,104
48	0603607A	JOINT SERVICE SMALL ARMS PROGRAM	5,885	5,885
49	0603710A	NIGHT VISION ADVANCED TECHNOLOGY	61,376	61,376
50	0603728A	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS	9,136	9,136
51	0603734A	MILITARY ENGINEERING ADVANCED TECHNOLOGY	25,864	38,864
		Minor MILCON		[8,000]
		Program increase		[5,000]
52	0603772A	ADVANCED TACTICAL COMPUTER SCIENCE AND SENSOR TECHNOLOGY.	34,883	37,383
		PNT research		[2,500]
53	0603794A	C3 ADVANCED TECHNOLOGY	52,387	47,387
		General program decrease		[–5,000]
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	**1,026,698**	**1,129,698**
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
54	0603305A	ARMY MISSLE DEFENSE SYSTEMS INTEGRATION	10,777	10,777
56	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	42,802	42,802
57	0603619A	LANDMINE WARFARE AND BARRIER—ADV DEV	45,254	45,254
58	0603627A	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	22,700	22,700
59	0603639A	TANK AND MEDIUM CALIBER AMMUNITION	41,974	55,974
		Army UPL: Test and evaluation of M999 155mm		[14,000]
60	0603645A	ARMORED SYSTEM MODERNIZATION—ADV DEV	119,395	119,395
61	0603747A	SOLDIER SUPPORT AND SURVIVABILITY	8,746	8,746
62	0603766A	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV	35,667	43,667
		ISR capabilities to support long range field artillery		[8,000]
63	0603774A	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	7,350	7,350
64	0603779A	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL	14,749	14,749
65	0603790A	NATO RESEARCH AND DEVELOPMENT	3,687	3,687
66	0603801A	AVIATION—ADV DEV	10,793	10,793
67	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	14,248	14,248
68	0603807A	MEDICAL SYSTEMS—ADV DEV	34,284	34,284
69	0603827A	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT	18,044	18,044
70	0604017A	ROBOTICS DEVELOPMENT	95,660	95,660
71	0604020A	CROSS FUNCTIONAL TEAM (CFT) ADVANCED DEVELOPMENT & PROTOTYPING.	38,000	38,000
72	0604100A	ANALYSIS OF ALTERNATIVES	9,765	9,765
73	0604113A	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS)	12,393	12,393
74	0604114A	LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR	120,374	120,374
75	0604115A	TECHNOLOGY MATURATION INITIATIVES	95,347	95,347
76	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD)	95,085	95,085
77	0604118A	TRACTOR BEAM	52,894	52,894
79	0604121A	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT & PROTOTYPING.	77,939	77,939
80	0604319A	INDIRECT FIRE PROTECTION CAPABILITY INCREMENT 2–INTERCEPT (IFPC2).	51,030	81,030
		Accelerate delivery and capacity for IFPC		[30,000]
81	0305251A	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	65,817	70,817
		Army Cyber Center of Excellence		[5,000]
82	1206120A	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)	146,300	146,300
83	1206308A	ARMY SPACE SYSTEMS INTEGRATION	38,319	38,319
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	**1,329,393**	**1,386,393**
		SYSTEM DEVELOPMENT & DEMONSTRATION		
84	0604201A	AIRCRAFT AVIONICS	32,293	32,293
85	0604270A	ELECTRONIC WARFARE DEVELOPMENT	78,699	78,699

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Line	Program Element	Item	FY 2019 Request	Senate Authorized
88	0604328A	TRACTOR CAGE	17,050	17,050
89	0604601A	INFANTRY SUPPORT WEAPONS	83,155	83,155
90	0604604A	MEDIUM TACTICAL VEHICLES	3,704	3,704
91	0604611A	JAVELIN	10,623	10,623
92	0604622A	FAMILY OF HEAVY TACTICAL VEHICLES	11,950	11,950
93	0604633A	AIR TRAFFIC CONTROL	12,347	12,347
95	0604642A	LIGHT TACTICAL WHEELED VEHICLES	8,212	8,212
96	0604645A	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV	393,613	318,613
		Mobile Protected Firepower decrease		[–75,000]
97	0604710A	NIGHT VISION SYSTEMS—ENG DEV	139,614	139,614
98	0604713A	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	4,507	4,507
99	0604715A	NON-SYSTEM TRAINING DEVICES—ENG DEV	49,436	49,436
100	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV.	95,172	95,172
101	0604742A	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	22,628	22,628
102	0604746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	13,297	13,297
103	0604760A	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV	9,145	9,145
104	0604768A	BRILLIANT ANTI-ARMOR SUBMUNITION (BAT)	9,894	9,894
105	0604780A	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	21,964	21,964
106	0604798A	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION	49,288	49,288
107	0604802A	WEAPONS AND MUNITIONS—ENG DEV	183,100	183,100
108	0604804A	LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV	79,706	79,706
109	0604805A	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV	15,970	15,970
110	0604807A	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV.	44,542	44,542
111	0604808A	LANDMINE WARFARE/BARRIER—ENG DEV	50,817	50,817
112	0604818A	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE.	178,693	178,693
113	0604820A	RADAR DEVELOPMENT	39,338	39,338
114	0604822A	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)	37,851	37,851
115	0604823A	FIREFINDER	45,473	45,473
116	0604827A	SOLDIER SYSTEMS—WARRIOR DEM/VAL	10,395	10,395
117	0604852A	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD	69,204	78,204
		Suite of Vehicle Protection Systems		[9,000]
118	0604854A	ARTILLERY SYSTEMS—EMD	1,781	1,781
119	0605013A	INFORMATION TECHNOLOGY DEVELOPMENT	113,758	113,758
120	0605018A	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A)	166,603	166,603
121	0605028A	ARMORED MULTI-PURPOSE VEHICLE (AMPV)	118,239	118,239
122	0605029A	INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE CAPABILITY (IGSSR-C).	3,211	3,211
123	0605030A	JOINT TACTICAL NETWORK CENTER (JTNC)	15,889	15,889
124	0605031A	JOINT TACTICAL NETWORK (JTN)	41,972	41,972
125	0605032A	TRACTOR TIRE	41,166	41,166
126	0605033A	GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM—EXPEDITIONARY (GBOSS-E).	5,175	5,175
127	0605034A	TACTICAL SECURITY SYSTEM (TSS)	4,496	4,496
128	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM)	51,178	51,178
129	0605036A	COMBATING WEAPONS OF MASS DESTRUCTION (CWMD)	11,311	11,311
131	0605038A	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE (NBCRV) SENSOR SUITE.	17,154	17,154
132	0605041A	DEFENSIVE CYBER TOOL DEVELOPMENT	36,626	36,626
133	0605042A	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER)	3,829	3,829
134	0605047A	CONTRACT WRITING SYSTEM	41,928	0
		Duplication concern in contract writing systems		[–41,928]
135	0605049A	MISSILE WARNING SYSTEM MODERNIZATION (MWSM)	28,276	28,276
136	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT	21,965	21,965
137	0605052A	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1	157,710	157,710
138	0605053A	GROUND ROBOTICS	86,167	86,167
139	0605054A	EMERGING TECHNOLOGY INITIATIVES	42,866	42,866
140	0605380A	AMF JOINT TACTICAL RADIO SYSTEM (JTRS)	15,984	15,984
141	0605450A	JOINT AIR-TO-GROUND MISSILE (JAGM)	11,773	11,773
142	0605457A	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)	277,607	277,607
143	0605766A	NATIONAL CAPABILITIES INTEGRATION (MIP)	12,340	12,340
144	0605812A	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.	2,686	2,686
145	0605830A	AVIATION GROUND SUPPORT EQUIPMENT	2,706	2,706
147	0303032A	TROJAN—RH12	4,521	4,521
150	0304270A	ELECTRONIC WARFARE DEVELOPMENT	8,922	8,922
151	1205117A	TRACTOR BEARS	23,170	23,170
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	**3,192,689**	**3,084,761**
		RDT&E MANAGEMENT SUPPORT		
152	0604256A	THREAT SIMULATOR DEVELOPMENT	12,835	12,835
153	0604258A	TARGET SYSTEMS DEVELOPMENT	12,135	12,135
154	0604759A	MAJOR T&E INVESTMENT	82,996	107,996
		Program increase		[25,000]
155	0605103A	RAND ARROYO CENTER	19,821	19,821

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156	0605301A	ARMY KWAJALEIN ATOLL	246,574	246,574
157	0605326A	CONCEPTS EXPERIMENTATION PROGRAM	30,430	30,430
159	0605601A	ARMY TEST RANGES AND FACILITIES	305,759	320,759
		Increase to help manage directed energy workloads		[15,000]
160	0605602A	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	62,379	62,379
161	0605604A	SURVIVABILITY/LETHALITY ANALYSIS	40,496	40,496
162	0605606A	AIRCRAFT CERTIFICATION	3,941	3,941
163	0605702A	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES	9,767	9,767
164	0605706A	MATERIEL SYSTEMS ANALYSIS	21,226	21,226
165	0605709A	EXPLOITATION OF FOREIGN ITEMS	13,026	13,026
166	0605712A	SUPPORT OF OPERATIONAL TESTING	52,718	52,718
167	0605716A	ARMY EVALUATION CENTER	57,049	57,049
168	0605718A	ARMY MODELING & SIM X-CMD COLLABORATION & INTEG	2,801	2,801
169	0605801A	PROGRAMWIDE ACTIVITIES	60,942	60,942
170	0605803A	TECHNICAL INFORMATION ACTIVITIES	29,050	29,050
171	0605805A	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	42,332	42,332
172	0605857A	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	3,216	3,216
173	0605898A	ARMY DIRECT REPORT HEADQUARTERS—R&D - MHA	54,145	54,145
174	0606001A	MILITARY GROUND-BASED CREW TECHNOLOGY	4,896	4,896
175	0606002A	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE	63,011	63,011
176	0606003A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION	2,636	2,636
177	0606942A	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	88,300	88,300
		SUBTOTAL RDT&E MANAGEMENT SUPPORT	**1,322,481**	**1,362,481**
	9999999999	CLASSIFIED PROGRAMS	5,955	5,955
		OPERATIONAL SYSTEMS DEVELOPMENT		
181	0603778A	MLRS PRODUCT IMPROVEMENT PROGRAM	8,886	8,886
182	0603813A	TRACTOR PULL	4,067	4,067
183	0605024A	ANTI-TAMPER TECHNOLOGY SUPPORT	4,254	4,254
184	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS.	16,022	16,022
185	0607133A	TRACTOR SMOKE	4,577	4,577
186	0607134A	LONG RANGE PRECISION FIRES (LRPF)	186,475	186,475
187	0607135A	APACHE PRODUCT IMPROVEMENT PROGRAM	31,049	31,049
188	0607136A	BLACKHAWK PRODUCT IMPROVEMENT PROGRAM	35,240	35,240
189	0607137A	CHINOOK PRODUCT IMPROVEMENT PROGRAM	157,822	157,822
190	0607138A	FIXED WING PRODUCT IMPROVEMENT PROGRAM	4,189	4,189
191	0607139A	IMPROVED TURBINE ENGINE PROGRAM	192,637	192,637
194	0607142A	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT.	60,860	60,860
195	0607143A	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS	52,019	52,019
196	0607665A	FAMILY OF BIOMETRICS	2,400	2,400
197	0607865A	PATRIOT PRODUCT IMPROVEMENT	65,369	65,369
198	0202429A	AEROSTAT JOINT PROJECT—COCOM EXERCISE	1	1
199	0203728A	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOCS).	30,954	30,954
200	0203735A	COMBAT VEHICLE IMPROVEMENT PROGRAMS	411,927	411,927
202	0203743A	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	40,676	40,676
203	0203744A	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS.	17,706	17,706
204	0203752A	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	146	146
205	0203758A	DIGITIZATION	6,316	6,316
206	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	1,643	1,643
207	0203802A	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	4,947	4,947
208	0203808A	TRACTOR CARD	34,050	34,050
210	0205410A	MATERIALS HANDLING EQUIPMENT	1,464	1,464
211	0205412A	ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV.	249	249
212	0205456A	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM	79,283	79,283
213	0205778A	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)	154,102	154,102
216	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES	12,280	12,280
217	0303140A	INFORMATION SYSTEMS SECURITY PROGRAM	68,533	68,533
218	0303141A	GLOBAL COMBAT SUPPORT SYSTEM	68,619	68,619
220	0303150A	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM	2,034	2,034
223	0305172A	COMBINED ADVANCED APPLICATIONS	1,500	1,500
224	0305179A	INTEGRATED BROADCAST SERVICE (IBS)	450	450
225	0305204A	TACTICAL UNMANNED AERIAL VEHICLES	6,000	6,000
226	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS	12,416	12,416
227	0305208A	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	38,667	38,667
229	0305232A	RQ–11 UAV	6,180	6,180
230	0305233A	RQ–7 UAV	12,863	12,863
231	0307665A	BIOMETRICS ENABLED INTELLIGENCE	4,310	4,310
233	0708045A	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	53,958	53,958
234	1203142A	SATCOM GROUND ENVIRONMENT (SPACE)	12,119	12,119
235	1208053A	JOINT TACTICAL GROUND SYSTEM	7,400	7,400
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	**1,922,614**	**1,922,614**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY.	**10,159,379**	**10,278,951**

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Line	Program Element	Item	FY 2019 Request	Senate Authorized
		RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY		
		BASIC RESEARCH		
1	0601103N	UNIVERSITY RESEARCH INITIATIVES	119,433	124,433
		Basic research program increase		[5,000]
2	0601152N	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	19,237	19,237
3	0601153N	DEFENSE RESEARCH SCIENCES	458,708	468,708
		Basic research program increase		[5,000]
		Quantum information sciences		[5,000]
		SUBTOTAL BASIC RESEARCH	**597,378**	**612,378**
		APPLIED RESEARCH		
4	0602114N	POWER PROJECTION APPLIED RESEARCH	14,643	17,143
		Directed energy		[2,500]
5	0602123N	FORCE PROTECTION APPLIED RESEARCH	124,049	124,049
6	0602131M	MARINE CORPS LANDING FORCE TECHNOLOGY	59,607	59,607
7	0602235N	COMMON PICTURE APPLIED RESEARCH	36,348	36,348
8	0602236N	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	56,197	48,697
		ONR global growth		[–7,500]
9	0602271N	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	83,800	83,800
10	0602435N	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	42,998	42,998
11	0602651M	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH	6,349	6,349
12	0602747N	UNDERSEA WARFARE APPLIED RESEARCH	58,049	78,049
		General program increase		[20,000]
13	0602750N	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	147,771	147,771
14	0602782N	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	37,545	37,545
15	0602792N	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH	159,697	164,697
		Directed energy and electronic warfare/unmanned and autonomous systems.		[5,000]
16	0602861N	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACITIVITIES.	64,418	64,418
		SUBTOTAL APPLIED RESEARCH	**891,471**	**911,471**
		ADVANCED TECHNOLOGY DEVELOPMENT		
19	0603123N	FORCE PROTECTION ADVANCED TECHNOLOGY	2,423	2,423
21	0603640M	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	150,245	140,245
		Unjustified growth		[–10,000]
22	0603651M	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	13,313	13,313
23	0603671N	NAVY ADVANCED TECHNOLOGY DEVELOPMENT (ATD)	131,502	131,502
24	0603673N	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT.	232,996	232,996
25	0603680N	MANUFACTURING TECHNOLOGY PROGRAM	58,657	58,657
30	0603801N	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT.	161,859	166,359
		DE & EW/unmanned and autonomous systems		[4,500]
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	**750,995**	**745,495**
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
31	0603207N	AIR/OCEAN TACTICAL APPLICATIONS	29,747	29,747
32	0603216N	AVIATION SURVIVABILITY	7,050	7,050
33	0603251N	AIRCRAFT SYSTEMS	793	793
34	0603254N	ASW SYSTEMS DEVELOPMENT	7,058	7,058
35	0603261N	TACTICAL AIRBORNE RECONNAISSANCE	3,540	3,540
36	0603382N	ADVANCED COMBAT SYSTEMS TECHNOLOGY	59,741	62,241
		Locust/HCUS/INP Transition		[2,500]
37	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	62,727	36,727
		Barracuda EDMs ahead of PDR and CDR		[–26,000]
38	0603506N	SURFACE SHIP TORPEDO DEFENSE	8,570	8,570
39	0603512N	CARRIER SYSTEMS DEVELOPMENT	5,440	5,440
40	0603525N	PILOT FISH	162,222	162,222
41	0603527N	RETRACT LARCH	11,745	11,745
42	0603536N	RETRACT JUNIPER	114,265	114,265
43	0603542N	RADIOLOGICAL CONTROL	740	740
44	0603553N	SURFACE ASW	1,122	1,122
45	0603561N	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	109,086	112,586
		Advanced submarine propulsion development		[3,500]
46	0603562N	SUBMARINE TACTICAL WARFARE SYSTEMS	9,374	9,374
47	0603563N	SHIP CONCEPT ADVANCED DESIGN	89,419	107,419
		CHAMP acceleration		[18,000]
48	0603564N	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	13,348	13,348
49	0603570N	ADVANCED NUCLEAR POWER SYSTEMS	256,137	256,137
50	0603573N	ADVANCED SURFACE MACHINERY SYSTEMS	22,109	22,109
51	0603576N	CHALK EAGLE	29,744	29,744
52	0603581N	LITTORAL COMBAT SHIP (LCS)	27,997	27,997
53	0603582N	COMBAT SYSTEM INTEGRATION	16,351	16,351
54	0603595N	OHIO REPLACEMENT	514,846	514,846
55	0603596N	LCS MISSION MODULES	103,633	133,033

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Line	Program Element	Item	FY 2019 Request	Senate Authorized
		Project 2552: Align with deferred LCS–6 SSMM test		*[–5,000]*
		Transfer from PE 64028N		*[16,700]*
		Transfer from PE 64126N		*[10,100]*
		Transfer from PE 64127N		*[7,600]*
56	0603597N	AUTOMATED TEST AND ANALYSIS	7,931	7,931
57	0603599N	FRIGATE DEVELOPMENT	134,772	134,772
58	0603609N	CONVENTIONAL MUNITIONS	9,307	9,307
60	0603635M	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	1,828	1,828
61	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	43,148	43,148
62	0603713N	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	5,915	5,915
63	0603721N	ENVIRONMENTAL PROTECTION	19,811	19,811
64	0603724N	NAVY ENERGY PROGRAM	25,656	25,656
65	0603725N	FACILITIES IMPROVEMENT	5,301	5,301
66	0603734N	CHALK CORAL	267,985	267,985
67	0603739N	NAVY LOGISTIC PRODUCTIVITY	4,059	4,059
68	0603746N	RETRACT MAPLE	377,878	377,878
69	0603748N	LINK PLUMERIA	381,770	381,770
70	0603751N	RETRACT ELM	60,535	60,535
73	0603790N	NATO RESEARCH AND DEVELOPMENT	9,652	9,652
74	0603795N	LAND ATTACK TECHNOLOGY	15,529	0
		Program delay and no GLGP EMD FYDP funding		*[–15,529]*
75	0603851M	JOINT NON-LETHAL WEAPONS TESTING	27,581	27,581
76	0603860N	JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEM/VAL.	101,566	101,566
77	0603925N	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	223,344	223,344
78	0604014N	F/A–18 INFRARED SEARCH AND TRACK (IRST)	108,700	132,700
		IRST block II risk reduction		*[24,000]*
79	0604027N	DIGITAL WARFARE OFFICE	26,691	26,691
80	0604028N	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES	16,717	0
		Transfer to PE 63596N		*[–16,717]*
81	0604029N	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES	30,187	30,187
82	0604030N	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION..	48,796	48,796
83	0604031N	LARGE UNMANNED UNDERSEA VEHICLES	92,613	71,413
		Early to need		*[–21,200]*
84	0604112N	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80).	58,121	58,121
86	0604126N	LITTORAL AIRBORNE MCM	17,622	7,522
		Transfer to PE 63596N		*[–10,100]*
87	0604127N	SURFACE MINE COUNTERMEASURES	18,154	10,554
		Transfer to PE 63596N		*[–7,600]*
88	0604272N	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM).	47,278	47,278
90	0604289M	NEXT GENERATION LOGISTICS	11,081	11,081
92	0604320M	RAPID TECHNOLOGY CAPABILITY PROTOTYPE	7,107	7,107
93	0604454N	LX (R)	5,549	5,549
94	0604536N	ADVANCED UNDERSEA PROTOTYPING	87,669	87,669
95	0604659N	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	132,818	132,818
96	0604707N	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT.	7,230	7,230
97	0604786N	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT	143,062	143,062
99	0303354N	ASW SYSTEMS DEVELOPMENT—MIP	8,889	8,889
100	0304240M	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	25,291	25,291
101	0304240N	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	9,300	9,300
102	0304270N	ELECTRONIC WARFARE DEVELOPMENT—MIP	466	466
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	**4,293,713**	**4,273,967**
		SYSTEM DEVELOPMENT & DEMONSTRATION		
103	0603208N	TRAINING SYSTEM AIRCRAFT	12,798	12,798
104	0604212N	OTHER HELO DEVELOPMENT	32,128	32,128
105	0604214M	AV–8B AIRCRAFT—ENG DEV	46,363	30,163
		Lacks operational justification/need		*[–16,200]*
107	0604215N	STANDARDS DEVELOPMENT	3,771	3,771
108	0604216N	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	16,611	16,611
109	0604218N	AIR/OCEAN EQUIPMENT ENGINEERING	17,368	17,368
110	0604221N	P–3 MODERNIZATION PROGRAM	2,134	2,134
111	0604230N	WARFARE SUPPORT SYSTEM	9,729	9,729
112	0604231N	TACTICAL COMMAND SYSTEM	57,688	57,688
113	0604234N	ADVANCED HAWKEYE	223,565	223,565
114	0604245M	H–1 UPGRADES	58,097	58,097
116	0604261N	ACOUSTIC SEARCH SENSORS	42,485	42,485
117	0604262N	V–22A	143,079	143,079
118	0604264N	AIR CREW SYSTEMS DEVELOPMENT	20,980	30,980
		Increase to advance aircrew physiological monitoring		*[10,000]*
119	0604269N	EA–18	147,419	242,719
		UPL—EA–18G Advanced Modes / Cognitive EW		*[95,300]*
120	0604270N	ELECTRONIC WARFARE DEVELOPMENT	89,824	121,424

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		UPL—EA–18G Offensive Airborne Electronic Attack Special Mission Pod.		*[31,600]*
121	0604273M	EXECUTIVE HELO DEVELOPMENT	245,064	245,064
123	0604274N	NEXT GENERATION JAMMER (NGJ)	459,529	459,529
124	0604280N	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY)	3,272	3,272
125	0604282N	NEXT GENERATION JAMMER (NGJ) INCREMENT II	115,253	115,253
126	0604307N	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	397,403	397,403
127	0604311N	LPD–17 CLASS SYSTEMS INTEGRATION	939	50,939
		Mk 41 VLS integration		*[50,000]*
128	0604329N	SMALL DIAMETER BOMB (SDB)	104,448	104,448
129	0604366N	STANDARD MISSILE IMPROVEMENTS	165,881	184,881
		Navy UPL: SM–6 Blk 1B 21″ rocket motor		*[19,000]*
130	0604373N	AIRBORNE MCM	10,831	10,831
131	0604378N	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYSTEMS ENGINEERING.	33,429	33,429
132	0604501N	ADVANCED ABOVE WATER SENSORS	35,635	35,635
133	0604503N	SSN–688 AND TRIDENT MODERNIZATION	126,932	126,932
134	0604504N	AIR CONTROL	62,448	62,448
135	0604512N	SHIPBOARD AVIATION SYSTEMS	9,710	9,710
136	0604518N	COMBAT INFORMATION CENTER CONVERSION	19,303	19,303
137	0604522N	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM	27,059	27,059
138	0604530N	ADVANCED ARRESTING GEAR (AAG)	184,106	184,106
139	0604558N	NEW DESIGN SSN	148,233	148,233
140	0604562N	SUBMARINE TACTICAL WARFARE SYSTEM	60,824	60,824
141	0604567N	SHIP CONTRACT DESIGN/ LIVE FIRE T&E	60,062	66,062
		Planning to support FY21 award of LHA–9		*[6,000]*
142	0604574N	NAVY TACTICAL COMPUTER RESOURCES	4,642	4,642
144	0604601N	MINE DEVELOPMENT	25,756	25,756
145	0604610N	LIGHTWEIGHT TORPEDO DEVELOPMENT	95,147	95,147
146	0604654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	7,107	7,107
147	0604703N	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	6,539	6,539
148	0604727N	JOINT STANDOFF WEAPON SYSTEMS	441	441
149	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL)	180,391	180,391
150	0604756N	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	178,538	178,538
151	0604757N	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	120,507	120,507
152	0604761N	INTELLIGENCE ENGINEERING	29,715	29,715
153	0604771N	MEDICAL DEVELOPMENT	8,095	8,095
154	0604777N	NAVIGATION/ID SYSTEM	121,026	121,026
155	0604800M	JOINT STRIKE FIGHTER (JSF)—EMD	66,566	66,566
156	0604800N	JOINT STRIKE FIGHTER (JSF)—EMD	65,494	65,494
159	0605013M	INFORMATION TECHNOLOGY DEVELOPMENT	14,005	14,005
160	0605013N	INFORMATION TECHNOLOGY DEVELOPMENT	268,567	178,467
		Duplication concern in contract writing systems		*[–26,300]*
		Lengthy delivery timelines for Navy Personnel and Pay System		*[–63,800]*
161	0605024N	ANTI-TAMPER TECHNOLOGY SUPPORT	5,618	5,618
162	0605212M	CH–53K RDTE	326,945	326,945
164	0605215N	MISSION PLANNING	32,714	32,714
165	0605217N	COMMON AVIONICS	51,486	51,486
166	0605220N	SHIP TO SHORE CONNECTOR (SSC)	1,444	1,444
167	0605327N	T-AO 205 CLASS	1,298	1,298
168	0605414N	UNMANNED CARRIER AVIATION (UCA)	718,942	718,942
169	0605450M	JOINT AIR-TO-GROUND MISSILE (JAGM)	6,759	6,759
171	0605500N	MULTI-MISSION MARITIME AIRCRAFT (MMA)	37,296	37,296
172	0605504N	MULTI-MISSION MARITIME (MMA) INCREMENT III	160,389	160,389
173	0605611M	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT & DEMONSTRATION.	98,223	98,223
174	0605813M	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT & DEMONSTRATION.	2,260	2,260
175	0204202N	DDG–1000	161,264	161,264
180	0304785N	TACTICAL CRYPTOLOGIC SYSTEMS	44,098	44,098
182	0306250M	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	6,808	6,808
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	**6,042,480**	**6,148,080**
		MANAGEMENT SUPPORT		
183	0604256N	THREAT SIMULATOR DEVELOPMENT	94,576	94,576
184	0604258N	TARGET SYSTEMS DEVELOPMENT	10,981	10,981
185	0604759N	MAJOR T&E INVESTMENT	77,014	77,014
186	0605126N	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION	48	48
187	0605152N	STUDIES AND ANALYSIS SUPPORT—NAVY	3,942	3,942
188	0605154N	CENTER FOR NAVAL ANALYSES	48,797	48,797
189	0605285N	NEXT GENERATION FIGHTER	5,000	5,000
191	0605804N	TECHNICAL INFORMATION SERVICES	1,029	1,029
192	0605853N	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	87,565	78,565
		Insufficient budget justification		*[–9,000]*
193	0605856N	STRATEGIC TECHNICAL SUPPORT	4,231	4,231
194	0605861N	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT	1,072	1,072
195	0605863N	RDT&E SHIP AND AIRCRAFT SUPPORT	97,471	97,471

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196	0605864N	TEST AND EVALUATION SUPPORT	373,834	373,834
197	0605865N	OPERATIONAL TEST AND EVALUATION CAPABILITY	21,554	21,554
198	0605866N	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	16,227	16,227
200	0605873M	MARINE CORPS PROGRAM WIDE SUPPORT	24,303	24,303
201	0605898N	MANAGEMENT HQ—R&D	43,262	43,262
202	0606355N	WARFARE INNOVATION MANAGEMENT	41,918	41,918
203	0606942M	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	7,000	7,000
204	0606942N	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	48,800	48,800
205	0305327N	INSIDER THREAT	1,682	1,682
206	0902498N	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES).	1,579	1,579
208	1206867N	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	8,684	8,684
		SUBTOTAL MANAGEMENT SUPPORT	**1,020,569**	**1,011,569**
	9999999999	CLASSIFIED PROGRAMS	1,549,503	1,549,503
		OPERATIONAL SYSTEMS DEVELOPMENT		
210	0604227N	HARPOON MODIFICATIONS	5,426	5,426
211	0604840M	F–35 C2D2	259,122	259,122
212	0604840N	F–35 C2D2	252,360	252,360
213	0607658N	COOPERATIVE ENGAGEMENT CAPABILITY (CEC)	130,515	130,515
214	0607700N	DEPLOYABLE JOINT COMMAND AND CONTROL	3,127	3,127
215	0101221N	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	157,679	157,679
216	0101224N	SSBN SECURITY TECHNOLOGY PROGRAM	43,198	43,198
217	0101226N	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	11,311	11,311
218	0101402N	NAVY STRATEGIC COMMUNICATIONS	39,313	39,313
219	0204136N	F/A–18 SQUADRONS	193,086	193,086
220	0204163N	FLEET TELECOMMUNICATIONS (TACTICAL)	25,014	25,014
221	0204228N	SURFACE SUPPORT	11,661	11,661
222	0204229N	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC).	282,395	291,095
		Restore MST to maintain 2020 IOC		[8,700]
223	0204311N	INTEGRATED SURVEILLANCE SYSTEM	36,959	71,959
		Additional TRAPS units		[35,000]
224	0204313N	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS	15,454	15,454
225	0204413N	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT).	6,073	6,073
226	0204460M	GROUND/AIR TASK ORIENTED RADAR (G/ATOR)	45,029	45,029
227	0204571N	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	104,903	104,903
228	0204574N	CRYPTOLOGIC DIRECT SUPPORT	4,544	4,544
229	0204575N	ELECTRONIC WARFARE (EW) READINESS SUPPORT	66,889	66,889
230	0205601N	HARM IMPROVEMENT	120,762	21,522
		Cancel ER program		[–99,240]
231	0205604N	TACTICAL DATA LINKS	104,696	116,696
		UPL—Tactical Targeting Network Technology acceleration		[12,000]
232	0205620N	SURFACE ASW COMBAT SYSTEM INTEGRATION	28,421	28,421
233	0205632N	MK–48 ADCAP	94,155	94,155
234	0205633N	AVIATION IMPROVEMENTS	121,805	136,805
		UPL—F/A–18 E/F Super Hornet Engine Enhancements		[15,000]
235	0205675N	OPERATIONAL NUCLEAR POWER SYSTEMS	117,028	117,028
236	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS	174,779	174,779
237	0206335M	COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S)	4,826	4,826
238	0206623M	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	97,152	97,152
239	0206624M	MARINE CORPS COMBAT SERVICES SUPPORT	30,156	30,156
240	0206625M	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)	39,976	39,976
241	0206629M	AMPHIBIOUS ASSAULT VEHICLE	22,637	0
		Lacks operational justification/need		[–22,637]
242	0207161N	TACTICAL AIM MISSILES	40,121	40,121
243	0207163N	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	32,473	32,473
249	0303138N	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES (CANES).	23,697	23,697
250	0303140N	INFORMATION SYSTEMS SECURITY PROGRAM	44,228	44,228
252	0305192N	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES	6,081	6,081
253	0305204N	TACTICAL UNMANNED AERIAL VEHICLES	8,529	8,529
254	0305205N	UAS INTEGRATION AND INTEROPERABILITY	41,212	41,212
255	0305208M	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	7,687	7,687
256	0305208N	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	42,846	42,846
257	0305220N	MQ–4C TRITON	14,395	14,395
258	0305231N	MQ–8 UAV	9,843	9,843
259	0305232M	RQ–11 UAV	524	524
260	0305234N	SMALL (LEVEL 0) TACTICAL UAS (STUASL0)	5,360	5,360
261	0305239M	RQ–21A	10,914	10,914
262	0305241N	MULTI-INTELLIGENCE SENSOR DEVELOPMENT	81,231	81,231
263	0305242M	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP)	5,956	5,956
264	0305421N	RQ–4 MODERNIZATION	219,894	219,894
265	0308601N	MODELING AND SIMULATION SUPPORT	7,097	7,097
266	0702207N	DEPOT MAINTENANCE (NON-IF)	36,560	36,560
267	0708730N	MARITIME TECHNOLOGY (MARITECH)	7,284	7,284
268	1203109N	SATELLITE COMMUNICATIONS (SPACE)	39,174	39,174

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		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	**4,885,060**	**4,833,883**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY	**18,481,666**	**18,536,843**
		RESEARCH, DEVELOPMENT, TEST & EVAL, AF		
		BASIC RESEARCH		
1	0601102F	DEFENSE RESEARCH SCIENCES	348,322	358,322
		Basic research program increase		[5,000]
		Quantum information sciences		[5,000]
2	0601103F	UNIVERSITY RESEARCH INITIATIVES	154,991	154,991
3	0601108F	HIGH ENERGY LASER RESEARCH INITIATIVES	14,506	17,006
		Directed energy research		[2,500]
		SUBTOTAL BASIC RESEARCH	**517,819**	**530,319**
		APPLIED RESEARCH		
4	0602102F	MATERIALS	125,373	129,373
		Advanced materials analysis		[4,000]
5	0602201F	AEROSPACE VEHICLE TECHNOLOGIES	130,547	135,547
		High speed systems technology (hypersonic vehicle structures)		[5,000]
6	0602202F	HUMAN EFFECTIVENESS APPLIED RESEARCH	112,518	112,518
7	0602203F	AEROSPACE PROPULSION	190,919	213,419
		Affordable Responsive Modular Rocket		[15,000]
		Multi-mode propulsion		[3,000]
		Solid rocket motor produce on-demand		[2,000]
		Turbine engine technology		[2,500]
8	0602204F	AEROSPACE SENSORS	166,534	159,034
		General program reduction		[–7,500]
9	0602298F	SCIENCE AND TECHNOLOGY MANAGEMENT— MAJOR HEADQUARTERS ACTIVITIES.	8,288	8,288
11	0602602F	CONVENTIONAL MUNITIONS	112,841	112,841
12	0602605F	DIRECTED ENERGY TECHNOLOGY	141,898	145,898
		Skywave technologies laboratory		[4,000]
13	0602788F	DOMINANT INFORMATION SCIENCES AND METHODS	162,420	162,420
14	0602890F	HIGH ENERGY LASER RESEARCH	43,359	55,859
		Directed energy research		[2,500]
		High powered microwave		[10,000]
15	1206601F	SPACE TECHNOLOGY	117,645	123,645
		Wargaming and simulator lab		[6,000]
		SUBTOTAL APPLIED RESEARCH	**1,312,342**	**1,358,842**
		ADVANCED TECHNOLOGY DEVELOPMENT		
16	0603112F	ADVANCED MATERIALS FOR WEAPON SYSTEMS	34,426	31,926
		General program reduction		[–5,000]
		Materials affordability		[2,500]
17	0603199F	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)	15,150	16,150
		Prevention/enhanced maintainability technologies		[1,000]
18	0603203F	ADVANCED AEROSPACE SENSORS	39,968	39,968
19	0603211F	AEROSPACE TECHNOLOGY DEV/DEMO	121,002	131,002
		Design/Manufacture aircraft aft body drag reduction devices		[10,000]
20	0603216F	AEROSPACE PROPULSION AND POWER TECHNOLOGY	115,462	139,462
		General program increase		[9,000]
		Multi-mode propulsion		[5,000]
		Technology for the Sustainment of Strategic Systems		[10,000]
21	0603270F	ELECTRONIC COMBAT TECHNOLOGY	55,319	60,319
		RF/EO/IR warning and countermeasures		[5,000]
22	0603401F	ADVANCED SPACECRAFT TECHNOLOGY	54,895	54,895
23	0603444F	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	10,674	10,674
24	0603456F	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT.	36,463	36,463
25	0603601F	CONVENTIONAL WEAPONS TECHNOLOGY	194,981	194,981
26	0603605F	ADVANCED WEAPONS TECHNOLOGY	43,368	53,368
		Demonstrator laser weapon system		[10,000]
27	0603680F	MANUFACTURING TECHNOLOGY PROGRAM	42,025	42,025
28	0603788F	BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION.	51,064	51,064
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	**814,797**	**862,297**
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
30	0603260F	INTELLIGENCE ADVANCED DEVELOPMENT	5,568	5,568
32	0603742F	COMBAT IDENTIFICATION TECHNOLOGY	18,194	18,194
33	0603790F	NATO RESEARCH AND DEVELOPMENT	2,305	2,305
35	0603851F	INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL	41,856	41,856
37	0604015F	LONG RANGE STRIKE—BOMBER	2,314,196	2,314,196
38	0604201F	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT	14,894	14,894
39	0604257F	ADVANCED TECHNOLOGY AND SENSORS	34,585	34,585
40	0604288F	NATIONAL AIRBORNE OPS CENTER (NAOC) RECAP	9,740	9,740

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41	0604317F	TECHNOLOGY TRANSFER	12,960	12,960
42	0604327F	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM.	71,501	71,501
43	0604414F	CYBER RESILIENCY OF WEAPON SYSTEMS-ACS	62,618	62,618
46	0604776F	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D	28,350	38,350
		Tanker prototype		[10,000]
48	0604858F	TECH TRANSITION PROGRAM	1,186,075	1,408,875
		Acceleration of Hypersonic Conventional Strike Weapon		[100,000]
		Low cost attritable aircraft prototype		[80,000]
		Rapid Sustainment Initiative		[42,800]
49	0605230F	GROUND BASED STRATEGIC DETERRENT	345,041	414,441
		UPL program acceleration		[69,400]
50	0207110F	NEXT GENERATION AIR DOMINANCE	503,997	503,997
51	0207455F	THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR)	40,326	40,326
52	0208099F	UNIFIED PLATFORM (UP)	29,800	29,800
54	0305236F	COMMON DATA LINK EXECUTIVE AGENT (CDL EA)	41,880	41,880
55	0305601F	MISSION PARTNER ENVIRONMENTS	10,074	10,074
56	0306250F	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	253,825	253,825
57	0306415F	ENABLED CYBER ACTIVITIES	16,325	16,325
59	0901410F	CONTRACTING INFORMATION TECHNOLOGY SYSTEM	17,577	0
		Duplication concern		[–17,577]
60	1203164F	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE).	286,629	286,629
61	1203710F	EO/IR WEATHER SYSTEMS	7,940	7,940
62	1206422F	WEATHER SYSTEM FOLLOW-ON	138,052	138,052
63	1206425F	SPACE SITUATION AWARENESS SYSTEMS	39,338	39,338
64	1206434F	MIDTERM POLAR MILSATCOM SYSTEM	383,113	383,113
65	1206438F	SPACE CONTROL TECHNOLOGY	91,018	91,018
66	1206730F	SPACE SECURITY AND DEFENSE PROGRAM	45,542	45,542
67	1206760F	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)	51,419	51,419
68	1206761F	PROTECTED TACTICAL SERVICE (PTS)	29,776	29,776
69	1206855F	PROTECTED SATCOM SERVICES (PSCS)—AGGREGATED	29,379	29,379
70	1206857F	OPERATIONALLY RESPONSIVE SPACE	366,050	316,050
		Space RCO Solar Power Project—Early to need		[–50,000]
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	**6,529,943**	**6,764,566**
		SYSTEM DEVELOPMENT & DEMONSTRATION		
71	0604200F	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS	39,602	39,602
72	0604201F	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT	58,531	58,531
73	0604222F	NUCLEAR WEAPONS SUPPORT	4,468	4,468
74	0604270F	ELECTRONIC WARFARE DEVELOPMENT	1,909	1,909
75	0604281F	TACTICAL DATA NETWORKS ENTERPRISE	207,746	257,746
		Increase to accelerate 21st Century Battle Management Command and Control.		[50,000]
76	0604287F	PHYSICAL SECURITY EQUIPMENT	14,421	14,421
77	0604329F	SMALL DIAMETER BOMB (SDB)—EMD	73,158	73,158
81	0604429F	AIRBORNE ELECTRONIC ATTACK	7,153	7,153
83	0604602F	ARMAMENT/ORDNANCE DEVELOPMENT	58,590	58,590
84	0604604F	SUBMUNITIONS	2,990	2,990
85	0604617F	AGILE COMBAT SUPPORT	20,028	20,028
86	0604618F	JOINT DIRECT ATTACK MUNITION	15,787	15,787
87	0604706F	LIFE SUPPORT SYSTEMS	8,919	8,919
88	0604735F	COMBAT TRAINING RANGES	35,895	35,895
89	0604800F	F–35—EMD	69,001	69,001
90	0307581F	JSTARS RECAP	0	50,000
		Continue JSTARS recap GMTI radar development		[50,000]
91	0604932F	LONG RANGE STANDOFF WEAPON	614,920	699,920
		UPL Program acceleration		[85,000]
92	0604933F	ICBM FUZE MODERNIZATION	172,902	172,902
97	0605221F	KC–46	88,170	88,170
98	0605223F	ADVANCED PILOT TRAINING	265,465	265,465
99	0605229F	COMBAT RESCUE HELICOPTER	457,652	457,652
105	0605830F	ACQ WORKFORCE- GLOBAL BATTLE MGMT	3,617	3,617
106	0605931F	B–2 DEFENSIVE MANAGEMENT SYSTEM	261,758	261,758
107	0101125F	NUCLEAR WEAPONS MODERNIZATION	91,907	91,907
108	0207171F	F–15 EPAWSS	137,095	137,095
109	0207328F	STAND IN ATTACK WEAPON	43,175	43,175
110	0207423F	ADVANCED COMMUNICATIONS SYSTEMS	14,888	14,888
111	0207701F	FULL COMBAT MISSION TRAINING	1,015	1,015
116	0401310F	C–32 EXECUTIVE TRANSPORT RECAPITALIZATION	7,943	7,943
117	0401319F	PRESIDENTIAL AIRCRAFT RECAPITALIZATION (PAR)	673,032	673,032
118	0701212F	AUTOMATED TEST SYSTEMS	13,653	13,653
119	1203176F	COMBAT SURVIVOR EVADER LOCATOR	939	939
120	1203269F	GPS IIIC	451,889	451,889
121	1203940F	SPACE SITUATION AWARENESS OPERATIONS	46,668	46,668
122	1206421F	COUNTERSPACE SYSTEMS	20,676	20,676
123	1206425F	SPACE SITUATION AWARENESS SYSTEMS	134,463	134,463

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124	1206426F	SPACE FENCE	20,215	20,215
125	1206431F	ADVANCED EHF MILSATCOM (SPACE)	151,506	151,506
126	1206432F	POLAR MILSATCOM (SPACE)	27,337	27,337
127	1206433F	WIDEBAND GLOBAL SATCOM (SPACE)	3,970	3,970
128	1206441F	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD	60,565	60,565
129	1206442F	EVOLVED SBIRS	643,126	743,126
		Accelerate sensor development		[100,000]
130	1206853F	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE)—EMD.	245,447	245,447
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	**5,272,191**	**5,557,191**
		MANAGEMENT SUPPORT		
131	0604256F	THREAT SIMULATOR DEVELOPMENT	34,256	34,256
132	0604759F	MAJOR T&E INVESTMENT	91,844	106,844
		Test infrastructure improvements		[15,000]
133	0605101F	RAND PROJECT AIR FORCE	34,614	34,614
135	0605712F	INITIAL OPERATIONAL TEST & EVALUATION	18,043	18,043
136	0605807F	TEST AND EVALUATION SUPPORT	692,784	692,784
137	0605826F	ACQ WORKFORCE- GLOBAL POWER	233,924	233,924
138	0605827F	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS	263,488	263,488
139	0605828F	ACQ WORKFORCE- GLOBAL REACH	153,591	153,591
140	0605829F	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS	232,315	232,315
141	0605830F	ACQ WORKFORCE- GLOBAL BATTLE MGMT	169,868	169,868
142	0605831F	ACQ WORKFORCE- CAPABILITY INTEGRATION	226,219	226,219
143	0605832F	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY	38,400	38,400
144	0605833F	ACQ WORKFORCE- NUCLEAR SYSTEMS	125,761	125,761
147	0605898F	MANAGEMENT HQ—R&D	10,642	10,642
148	0605976F	FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT.	162,216	162,216
149	0605978F	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT	28,888	28,888
150	0606017F	REQUIREMENTS ANALYSIS AND MATURATION	35,285	35,285
153	0308602F	ENTEPRISE INFORMATION SERVICES (EIS)	20,545	20,545
154	0702806F	ACQUISITION AND MANAGEMENT SUPPORT	12,367	12,367
155	0804731F	GENERAL SKILL TRAINING	1,448	1,448
157	1001004F	INTERNATIONAL ACTIVITIES	3,998	3,998
158	1206116F	SPACE TEST AND TRAINING RANGE DEVELOPMENT	23,254	23,254
159	1206392F	SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE	169,912	169,912
160	1206398F	SPACE & MISSILE SYSTEMS CENTER—MHA	10,508	10,508
161	1206860F	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	19,721	19,721
162	1206864F	SPACE TEST PROGRAM (STP)	25,620	25,620
		SUBTOTAL MANAGEMENT SUPPORT	**2,839,511**	**2,854,511**
	9999999999	CLASSIFIED PROGRAMS	16,534,124	16,534,124
		OPERATIONAL SYSTEMS DEVELOPMENT		
165	0604233F	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	11,344	11,344
167	0605018F	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS)	47,287	13,141
		Poor agile development implementation and lenghty delivery timeline		[–34,146]
168	0605024F	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	32,770	32,770
169	0605117F	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION	68,368	68,368
170	0605278F	HC/MC–130 RECAP RDT&E	32,574	32,574
171	0606018F	NC3 INTEGRATION	26,112	26,112
172	0606942F	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	99,100	99,100
173	0101113F	B–52 SQUADRONS	280,414	295,214
		Air Force requested realignment		[14,800]
174	0101122F	AIR-LAUNCHED CRUISE MISSILE (ALCM)	5,955	5,955
175	0101126F	B–1B SQUADRONS	76,030	76,030
176	0101127F	B–2 SQUADRONS	105,561	105,561
177	0101213F	MINUTEMAN SQUADRONS	156,047	156,047
179	0101316F	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS	10,442	10,442
180	0101324F	INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK	22,833	22,833
181	0101328F	ICBM REENTRY VEHICLES	18,412	18,412
183	0102110F	UH–1N REPLACEMENT PROGRAM	288,022	288,022
184	0102326F	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION PROGRAM.	9,252	9,252
186	0205219F	MQ–9 UAV	115,345	115,345
188	0207131F	A–10 SQUADRONS	26,738	26,738
189	0207133F	F–16 SQUADRONS	191,564	191,564
190	0207134F	F–15E SQUADRONS	192,883	192,883
191	0207136F	MANNED DESTRUCTIVE SUPPRESSION	15,238	15,238
192	0207138F	F–22A SQUADRONS	603,553	603,553
193	0207142F	F–35 SQUADRONS	549,501	549,501
194	0207161F	TACTICAL AIM MISSILES	37,230	37,230
195	0207163F	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	61,393	61,393
196	0207227F	COMBAT RESCUE—PARARESCUE	647	647
198	0207249F	PRECISION ATTACK SYSTEMS PROCUREMENT	14,891	14,891
199	0207253F	COMPASS CALL	13,901	13,901
200	0207268F	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	121,203	121,203

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202	0207325F	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	60,062	60,062
203	0207410F	AIR & SPACE OPERATIONS CENTER (AOC)	106,102	106,102
204	0207412F	CONTROL AND REPORTING CENTER (CRC)	6,413	6,413
205	0207417F	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)	120,664	130,664
		Increase to accelerate 21st Century Battle Management Command and Control.		[10,000]
206	0207418F	TACTICAL AIRBORNE CONTROL SYSTEMS	2,659	2,659
208	0207431F	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES	10,316	10,316
209	0207444F	TACTICAL AIR CONTROL PARTY-MOD	6,149	6,149
210	0207448F	C2ISR TACTICAL DATA LINK	1,738	1,738
211	0207452F	DCAPES	13,297	13,297
212	0207573F	NATIONAL TECHNICAL NUCLEAR FORENSICS	1,788	1,788
213	0207581F	JOINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM (JSTARS).	14,888	14,888
214	0207590F	SEEK EAGLE	24,699	24,699
215	0207601F	USAF MODELING AND SIMULATION	17,078	17,078
216	0207605F	WARGAMING AND SIMULATION CENTERS	6,141	6,141
218	0207697F	DISTRIBUTED TRAINING AND EXERCISES	4,225	4,225
219	0208006F	MISSION PLANNING SYSTEMS	63,653	63,653
220	0208007F	TACTICAL DECEPTION	6,949	6,949
221	0208087F	AF OFFENSIVE CYBERSPACE OPERATIONS	40,526	40,526
222	0208088F	AF DEFENSIVE CYBERSPACE OPERATIONS	24,166	24,166
223	0208097F	JOINT CYBER COMMAND AND CONTROL (JCC2)	13,000	13,000
224	0208099F	UNIFIED PLATFORM (UP)	28,759	28,759
229	0301017F	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)	3,579	3,579
230	0301112F	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES)	29,620	29,620
237	0301401F	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS.	6,633	6,633
238	0302015F	E–4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	57,758	57,758
240	0303131F	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN).	99,088	99,088
241	0303133F	HIGH FREQUENCY RADIO SYSTEMS	51,612	51,612
242	0303140F	INFORMATION SYSTEMS SECURITY PROGRAM	34,612	34,612
244	0303142F	GLOBAL FORCE MANAGEMENT—DATA INITIATIVE	2,170	2,170
246	0304260F	AIRBORNE SIGINT ENTERPRISE	106,873	106,873
247	0304310F	COMMERCIAL ECONOMIC ANALYSIS	3,472	3,472
250	0305015F	C2 AIR OPERATIONS SUITE—C2 INFO SERVICES	8,608	8,608
251	0305020F	CCMD INTELLIGENCE INFORMATION TECHNOLOGY	1,586	1,586
252	0305099F	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	4,492	4,492
254	0305111F	WEATHER SERVICE	26,942	26,942
255	0305114F	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCALS).	6,271	6,271
256	0305116F	AERIAL TARGETS	8,383	8,383
259	0305128F	SECURITY AND INVESTIGATIVE ACTIVITIES	418	418
261	0305146F	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	3,845	3,845
268	0305202F	DRAGON U–2	48,518	48,518
270	0305206F	AIRBORNE RECONNAISSANCE SYSTEMS	175,334	175,334
271	0305207F	MANNED RECONNAISSANCE SYSTEMS	14,223	14,223
272	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	24,554	24,554
273	0305220F	RQ–4 UAV	221,690	221,690
274	0305221F	NETWORK-CENTRIC COLLABORATIVE TARGETING	14,288	14,288
275	0305238F	NATO AGS	51,527	51,527
276	0305240F	SUPPORT TO DCGS ENTERPRISE	26,579	26,579
278	0305600F	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES.	8,464	8,464
280	0305881F	RAPID CYBER ACQUISITION	4,303	4,303
284	0305984F	PERSONNEL RECOVERY COMMAND & CTRL (PRC2)	2,466	2,466
285	0307577F	INTELLIGENCE MISSION DATA (IMD)	4,117	4,117
287	0401115F	C–130 AIRLIFT SQUADRON	105,988	105,988
288	0401119F	C–5 AIRLIFT SQUADRONS (IF)	25,071	25,071
289	0401130F	C–17 AIRCRAFT (IF)	48,299	48,299
290	0401132F	C–130J PROGRAM	15,409	15,409
291	0401134F	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM)	4,334	4,334
292	0401218F	KC–135S	3,493	3,493
293	0401219F	KC–10S	6,569	6,569
294	0401314F	OPERATIONAL SUPPORT AIRLIFT	3,172	3,172
295	0401318F	CV–22	18,502	18,502
296	0401840F	AMC COMMAND AND CONTROL SYSTEM	1,688	1,688
297	0408011F	SPECIAL TACTICS / COMBAT CONTROL	2,541	2,541
298	0702207F	DEPOT MAINTENANCE (NON-IF)	1,897	1,897
299	0708055F	MAINTENANCE, REPAIR & OVERHAUL SYSTEM	50,933	15,873
		Poor agile development implementation		[–35,060]
300	0708610F	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	13,787	13,787
301	0708611F	SUPPORT SYSTEMS DEVELOPMENT	4,497	4,497
302	0804743F	OTHER FLIGHT TRAINING	2,022	2,022
303	0808716F	OTHER PERSONNEL ACTIVITIES	108	108
304	0901202F	JOINT PERSONNEL RECOVERY AGENCY	2,023	2,023
305	0901218F	CIVILIAN COMPENSATION PROGRAM	3,772	3,772

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306	0901220F	PERSONNEL ADMINISTRATION	6,358	6,358
307	0901226F	AIR FORCE STUDIES AND ANALYSIS AGENCY	1,418	1,418
308	0901538F	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT.	99,734	87,918
		Poor agile development implementation		[–11,816]
309	1201921F	SERVICE SUPPORT TO STRATCOM—SPACE ACTIVITIES	14,161	14,161
310	1202247F	AF TENCAP	26,986	26,986
311	1203001F	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)	80,168	80,168
312	1203110F	SATELLITE CONTROL NETWORK (SPACE)	17,808	17,808
314	1203165F	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS).	8,937	8,937
315	1203173F	SPACE AND MISSILE TEST AND EVALUATION CENTER	59,935	59,935
316	1203174F	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT.	21,019	21,019
317	1203179F	INTEGRATED BROADCAST SERVICE (IBS)	8,568	8,568
318	1203182F	SPACELIFT RANGE SYSTEM (SPACE)	10,641	10,641
319	1203265F	GPS III SPACE SEGMENT	144,543	144,543
320	1203400F	SPACE SUPERIORITY INTELLIGENCE	16,278	16,278
321	1203614F	JSPOC MISSION SYSTEM	72,256	62,256
		Assumed cost savings		[–10,000]
322	1203620F	NATIONAL SPACE DEFENSE CENTER	42,209	42,209
325	1203913F	NUDET DETECTION SYSTEM (SPACE)	19,778	19,778
326	1203940F	SPACE SITUATION AWARENESS OPERATIONS	19,572	19,572
327	1206423F	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT.	513,235	513,235
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	**22,891,740**	**22,825,518**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF	**40,178,343**	**40,753,244**
		RESEARCH, DEVELOPMENT, TEST & EVAL, DW		
		BASIC RESEARCH		
1	0601000BR	DTRA BASIC RESEARCH	37,023	37,023
2	0601101E	DEFENSE RESEARCH SCIENCES	422,130	429,630
		Basic research program increase		[5,000]
		Critical materials		[2,500]
3	0601110D8Z	BASIC RESEARCH INITIATIVES	42,702	52,702
		Quantum information sciences		[5,000]
		University-lab research partnership		[5,000]
4	0601117E	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE	47,825	57,825
		TBI Treatment for blast injuries		[10,000]
5	0601120D8Z	NATIONAL DEFENSE EDUCATION PROGRAM	85,919	85,919
6	0601228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS.	30,412	30,412
7	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	42,103	42,103
		SUBTOTAL BASIC RESEARCH	**708,114**	**735,614**
		APPLIED RESEARCH		
8	0602000D8Z	JOINT MUNITIONS TECHNOLOGY	19,170	21,670
		Insensitive munitions		[2,500]
9	0602115E	BIOMEDICAL TECHNOLOGY	101,300	101,300
11	0602234D8Z	LINCOLN LABORATORY RESEARCH PROGRAM	51,596	51,596
12	0602251D8Z	APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES.	60,688	53,188
		General program reduction		[–7,500]
13	0602303E	INFORMATION & COMMUNICATIONS TECHNOLOGY	395,317	395,317
14	0602383E	BIOLOGICAL WARFARE DEFENSE	38,640	38,640
15	0602384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	192,674	192,674
16	0602668D8Z	CYBER SECURITY RESEARCH	14,969	14,969
17	0602702E	TACTICAL TECHNOLOGY	335,466	332,966
		General program increase		[2,500]
		MAD-FIRES reduction		[–5,000]
18	0602715E	MATERIALS AND BIOLOGICAL TECHNOLOGY	226,898	211,898
		General program reduction		[–15,000]
19	0602716E	ELECTRONICS TECHNOLOGY	333,847	333,847
20	0602718BR	COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RESEARCH.	161,151	161,151
21	0602751D8Z	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH.	9,300	9,300
22	1160401BB	SOF TECHNOLOGY DEVELOPMENT	35,921	35,921
		SUBTOTAL APPLIED RESEARCH	**1,976,937**	**1,954,437**
		ADVANCED TECHNOLOGY DEVELOPMENT		
23	0603000D8Z	JOINT MUNITIONS ADVANCED TECHNOLOGY	25,598	25,598
24	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT	125,271	111,271
		General program reduction		[–14,000]
25	0603133D8Z	FOREIGN COMPARATIVE TESTING	24,532	24,532
27	0603160BR	COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT.	299,858	299,858

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28	0603176C	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT	13,017	13,017
29	0603178C	WEAPONS TECHNOLOGY	0	13,400
		MDA UPL: Accelerate hypersonic missile defense		[13,400]
31	0603180C	ADVANCED RESEARCH	20,365	42,565
		Accelerate hypersonic missile defense		[22,200]
32	0603225D8Z	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	18,644	18,644
34	0603286E	ADVANCED AEROSPACE SYSTEMS	277,603	282,603
		Hypersonics weapons programs development and transition		[5,000]
35	0603287E	SPACE PROGRAMS AND TECHNOLOGY	254,671	364,671
		Blackjack increase		[110,000]
36	0603288D8Z	ANALYTIC ASSESSMENTS	19,472	19,472
37	0603289D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS	37,263	37,263
38	0603291D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS—MHA	13,621	13,621
39	0603294C	COMMON KILL VEHICLE TECHNOLOGY	189,753	189,753
40	0603342D8W	DEFENSE INNOVATION UNIT EXPERIMENTAL (DIUX)	29,364	29,864
		Defense technology innovation		[500]
41	0603375D8Z	TECHNOLOGY INNOVATION	83,143	103,143
		Commercial SAR satellites		[20,000]
42	0603384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEVELOPMENT.	142,826	142,826
43	0603527D8Z	RETRACT LARCH	161,128	161,128
44	0603618D8Z	JOINT ELECTRONIC ADVANCED TECHNOLOGY	12,918	12,918
45	0603648D8Z	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	106,049	106,049
46	0603662D8Z	NETWORKED COMMUNICATIONS CAPABILITIES	12,696	5,196
		General program reduction		[–7,500]
47	0603680D8Z	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM.	114,637	121,637
		Enhancing cybersecurity for small vendors		[5,000]
		Eye protection system		[2,000]
48	0603680S	MANUFACTURING TECHNOLOGY PROGRAM	49,667	52,167
		General program increase		[2,500]
49	0603699D8Z	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT	48,338	48,338
50	0603712S	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	11,778	12,778
		General program increase		[1,000]
52	0603716D8Z	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	76,514	86,514
		Readiness Increase		[10,000]
53	0603720S	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT.	168,931	173,931
		Tunable filter, support for microelectronics development		[5,000]
54	0603727D8Z	JOINT WARFIGHTING PROGRAM	5,992	5,992
55	0603739E	ADVANCED ELECTRONICS TECHNOLOGIES	111,099	118,599
		Support for the Electronics Resurgence Initiative		[7,500]
56	0603760E	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	185,984	185,984
57	0603766E	NETWORK-CENTRIC WARFARE TECHNOLOGY	438,569	428,569
		General program reduction		[–10,000]
58	0603767E	SENSOR TECHNOLOGY	190,128	191,628
		Sensors and processing systems technology		[1,500]
59	0603769D8Z	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT.	13,564	13,564
60	0603781D8Z	SOFTWARE ENGINEERING INSTITUTE	15,050	15,050
61	0603826D8Z	QUICK REACTION SPECIAL PROJECTS	69,626	59,626
		General program reduction		[–10,000]
62	0603833D8Z	ENGINEERING SCIENCE & TECHNOLOGY	19,415	19,415
63	0603924D8Z	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	69,533	69,533
64	0603941D8Z	TEST & EVALUATION SCIENCE & TECHNOLOGY	96,389	111,389
		Hypersonics and directed energy test		[10,000]
		Workforce development		[5,000]
65	0604055D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT	40,582	50,582
		Readiness Increase		[10,000]
66	0303310D8Z	CWMD SYSTEMS	26,644	26,644
67	1160402BB	SOF ADVANCED TECHNOLOGY DEVELOPMENT	79,380	79,380
300	8888	NATIONAL SECURITY INNOVATION ACTIVITIES	0	150,000
		Establish office for capital investment		[150,000]
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	**3,699,612**	**4,038,712**
		ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES		
68	0603161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E ADC&P.	28,140	28,140
69	0603600D8Z	WALKOFF	92,222	92,222
70	0603821D8Z	ACQUISITION ENTERPRISE DATA & INFORMATION SERVICES	2,506	2,506
71	0603851D8Z	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM.	40,016	50,016
		Readiness Increase		[10,000]
72	0603881C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	214,173	398,273
		MDA UPL: USFK JEON		[184,100]
73	0603882C	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	926,359	718,359
		Reduce FY19 Numbers		[–208,000]

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
74	0603884BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEM/VAL	129,886	129,886
75	0603884C	BALLISTIC MISSILE DEFENSE SENSORS	220,876	244,876
		MDA UPL: USFK JEON		[24,000]
76	0603890C	BMD ENABLING PROGRAMS	540,926	540,926
77	0603891C	SPECIAL PROGRAMS—MDA	422,348	422,348
78	0603892C	AEGIS BMD	767,539	767,539
81	0603896C	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATI.	475,168	425,168
		Inconsistent capability delivery		[–50,000]
82	0603898C	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT	48,767	48,767
83	0603904C	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC).	54,925	54,925
84	0603906C	REGARDING TRENCH	16,916	16,916
85	0603907C	SEA BASED X-BAND RADAR (SBX)	149,715	116,715
		Reduce FY19 Numbers		[–33,000]
86	0603913C	ISRAELI COOPERATIVE PROGRAMS	300,000	300,000
87	0603914C	BALLISTIC MISSILE DEFENSE TEST	365,681	437,581
		MDA UPL: USFK JEON		[71,900]
88	0603915C	BALLISTIC MISSILE DEFENSE TARGETS	517,852	486,352
		MDA UPL: USFK JEON		[4,500]
		Reduce FY19 Numbers		[–36,000]
89	0603920D8Z	HUMANITARIAN DEMINING	11,347	11,347
90	0603923D8Z	COALITION WARFARE	8,528	8,528
91	0604016D8Z	DEPARTMENT OF DEFENSE CORROSION PROGRAM	3,477	8,477
		Corrosion prevention		[5,000]
92	0604115C	TECHNOLOGY MATURATION INITIATIVES	148,822	228,822
		Laser scaling for boost phase intercept		[80,000]
93	0604132D8Z	MISSILE DEFEAT PROJECT	58,607	58,607
94	0604134BR	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.	12,993	12,993
95	0604181C	HYPERSONIC DEFENSE	120,444	130,944
		Accelerate hypersonic missile defense		[10,500]
96	0604250D8Z	ADVANCED INNOVATIVE TECHNOLOGIES	1,431,702	1,481,702
		Quartermaster Pathfinder		[50,000]
97	0604294D8Z	TRUSTED & ASSURED MICROELECTRONICS	233,142	238,642
		New trust approach development		[5,500]
98	0604331D8Z	RAPID PROTOTYPING PROGRAM	99,333	99,333
99	0604400D8Z	DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT.	3,781	3,781
100	0604673C	PACIFIC DISCRIMINATING RADAR	95,765	95,765
101	0604682D8Z	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)	3,768	3,768
103	0604826J	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS.	22,435	22,435
104	0604873C	LONG RANGE DISCRIMINATION RADAR (LRDR)	164,562	164,562
105	0604874C	IMPROVED HOMELAND DEFENSE INTERCEPTORS	561,220	421,820
		Reduce FY19 Numbers		[–139,400]
106	0604876C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST.	61,017	61,017
107	0604878C	AEGIS BMD TEST	95,756	95,756
108	0604879C	BALLISTIC MISSILE DEFENSE SENSOR TEST	81,001	81,001
109	0604880C	LAND-BASED SM–3 (LBSM3)	27,692	27,692
111	0604887C	BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST	81,934	72,634
		Reduce FY19 Numbers		[–9,300]
112	0604894C	MULTI-OBJECT KILL VEHICLE	8,256	8,256
113	0300206R	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS	2,600	2,600
114	0303191D8Z	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM	3,104	3,104
115	0305103C	CYBER SECURITY INITIATIVE	985	985
116	1206893C	SPACE TRACKING & SURVEILLANCE SYSTEM	36,955	36,955
117	1206895C	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS	16,484	89,484
		MDA UPL: Initiate missile defense tracking system		[73,000]
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES.	**8,709,725**	**8,752,525**
		SYSTEM DEVELOPMENT AND DEMONSTRATION		
118	0604161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E SDD.	8,333	8,333
119	0604165D8Z	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT	263,414	263,414
120	0604384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD	388,701	388,701
121	0604771D8Z	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	19,503	19,503
122	0605000BR	COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT.	6,163	6,163
123	0605013BL	INFORMATION TECHNOLOGY DEVELOPMENT	11,988	0
		Lengthy delivery timelines		[–11,988]
124	0605021SE	HOMELAND PERSONNEL SECURITY INITIATIVE	296	296
125	0605022D8Z	DEFENSE EXPORTABILITY PROGRAM	1,489	1,489
126	0605027D8Z	OUSD(C) IT DEVELOPMENT INITIATIVES	9,590	9,590
127	0605070S	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION.	3,173	3,173

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
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Line	Program Element	Item	FY 2019 Request	Senate Authorized
128	0605075D8Z	DCMO POLICY AND INTEGRATION	2,105	3,105
		Data and advanced analytics		[1,000]
129	0605080S	DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM	21,156	21,156
130	0605090S	DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS)	10,731	10,731
132	0605210D8Z	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES	6,374	0
		Duplication concern		[–6,374]
133	0605294D8Z	TRUSTED & ASSURED MICROELECTRONICS	56,178	58,678
		New trust approach development		[2,500]
134	0303141K	GLOBAL COMBAT SUPPORT SYSTEM	2,512	2,512
135	0305304D8Z	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM).	2,435	2,435
136	0305310D8Z	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION.	17,048	17,048
		SUBTOTAL SYSTEM DEVELOPMENT AND DEMONSTRATION.	**831,189**	**816,327**
	9999999999	CLASSIFIED PROGRAMS	45,604	45,604
		MANAGEMENT SUPPORT		
137	0604774D8Z	DEFENSE READINESS REPORTING SYSTEM (DRRS)	6,661	6,661
138	0604875D8Z	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	4,088	4,088
139	0604940D8Z	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP).	258,796	268,796
		Advanced hypersonic wind tunnel experimentation		[10,000]
140	0604942D8Z	ASSESSMENTS AND EVALUATIONS	31,356	31,356
141	0605001E	MISSION SUPPORT	65,646	65,646
142	0605100D8Z	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)	84,184	89,184
		Cyber range capacity and development		[5,000]
143	0605104D8Z	TECHNICAL STUDIES, SUPPORT AND ANALYSIS	22,576	17,576
		General program reduction		[–5,000]
144	0605126J	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO).	52,565	52,565
146	0605142D8Z	SYSTEMS ENGINEERING	38,872	38,872
147	0605151D8Z	STUDIES AND ANALYSIS SUPPORT—OSD	3,534	3,534
148	0605161D8Z	NUCLEAR MATTERS-PHYSICAL SECURITY	5,050	5,050
149	0605170D8Z	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	11,450	11,450
150	0605200D8Z	GENERAL SUPPORT TO USD (INTELLIGENCE)	1,693	1,693
151	0605384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	102,883	102,883
159	0605790D8Z	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER.	2,545	2,545
160	0605798D8Z	DEFENSE TECHNOLOGY ANALYSIS	24,487	24,487
161	0605801KA	DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	56,853	56,853
162	0605803SE	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION.	24,914	24,914
163	0605804D8Z	DEVELOPMENT TEST AND EVALUATION	20,179	25,179
		Improve software testing capabilities		[5,000]
164	0605898E	MANAGEMENT HQ—R&D	13,643	13,643
165	0605998KA	MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC).	4,124	4,124
166	0606100D8Z	BUDGET AND PROGRAM ASSESSMENTS	5,768	5,768
167	0606225D8Z	ODNA TECHNOLOGY AND RESOURCE ANALYSIS	1,030	1,030
168	0606589D8W	DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT	1,000	1,000
169	0606942C	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	3,400	3,400
170	0606942S	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	4,000	4,000
171	0203345D8Z	DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI)	3,008	3,008
172	0204571J	JOINT STAFF ANALYTICAL SUPPORT	6,658	6,658
175	0303166J	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES	652	652
176	0303260D8Z	DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDPO)	1,005	1,005
177	0305172K	COMBINED ADVANCED APPLICATIONS	21,363	21,363
180	0305245D8Z	INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS	109,529	109,529
181	0306310D8Z	CWMD SYSTEMS: RDT&E MANAGEMENT SUPPORT	1,244	1,244
184	0804768J	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CE2T2)—NON-MHA.	42,940	42,940
185	0901598C	MANAGEMENT HQ—MDA	28,626	28,626
187	0903235K	JOINT SERVICE PROVIDER (JSP)	5,104	5,104
		SUBTOTAL MANAGEMENT SUPPORT	**1,117,030**	**1,132,030**
	9999999999	CLASSIFIED PROGRAMS	3,877,898	3,887,898
		Classified increase		[10,000]
		OPERATIONAL SYSTEM DEVELOPMENT		
189	0604130V	ENTERPRISE SECURITY SYSTEM (ESS)	9,750	9,750
190	0605127T	REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANA.	1,855	1,855
191	0605147T	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SYSTEM (OHASIS).	304	304
192	0607210D8Z	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT	10,376	10,376
193	0607310D8Z	CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT	5,915	5,915
194	0607327T	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS).	5,869	5,869

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
195	0607384BP	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT).	48,741	48,741
196	0208043J	PLANNING AND DECISION AID SYSTEM (PDAS)	3,037	3,037
197	0208045K	C4I INTEROPERABILITY	62,814	62,814
203	0302019K	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION.	16,561	16,561
204	0303126K	LONG-HAUL COMMUNICATIONS—DCS	14,769	14,769
205	0303131K	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN).	17,579	17,579
207	0303136G	KEY MANAGEMENT INFRASTRUCTURE (KMI)	31,737	31,737
208	0303140D8Z	INFORMATION SYSTEMS SECURITY PROGRAM	7,940	7,940
209	0303140G	INFORMATION SYSTEMS SECURITY PROGRAM	229,252	229,252
210	0303140K	INFORMATION SYSTEMS SECURITY PROGRAM	19,611	19,611
211	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM	46,900	46,900
212	0303153K	DEFENSE SPECTRUM ORGANIZATION	7,570	7,570
213	0303228K	JOINT INFORMATION ENVIRONMENT (JIE)	7,947	7,947
215	0303430K	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY.	39,400	39,400
224	0305186D8Z	POLICY R&D PROGRAMS	6,262	3,262
		General program reduction		[–3,000]
225	0305199D8Z	NET CENTRICITY	16,780	16,780
227	0305208BB	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	6,286	6,286
230	0305208K	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	2,970	2,970
233	0305327V	INSIDER THREAT	5,954	10,954
		Personnel security and continuous evaluation		[5,000]
234	0305387D8Z	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM	2,198	2,198
240	0307577D8Z	INTELLIGENCE MISSION DATA (IMD)	6,889	6,889
242	0708012K	LOGISTICS SUPPORT ACTIVITIES	1,317	1,317
243	0708012S	PACIFIC DISASTER CENTERS	1,770	1,770
244	0708047S	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM	1,805	1,805
246	1105219BB	MQ–9 UAV	18,403	18,403
248	1160403BB	AVIATION SYSTEMS	184,993	184,993
249	1160405BB	INTELLIGENCE SYSTEMS DEVELOPMENT	10,625	10,625
250	1160408BB	OPERATIONAL ENHANCEMENTS	102,307	102,307
251	1160431BB	WARRIOR SYSTEMS	46,942	46,942
252	1160432BB	SPECIAL PROGRAMS	2,479	2,479
253	1160434BB	UNMANNED ISR	27,270	27,270
254	1160480BB	SOF TACTICAL VEHICLES	1,121	1,121
255	1160483BB	MARITIME SYSTEMS	42,471	42,471
256	1160489BB	GLOBAL VIDEO SURVEILLANCE ACTIVITIES	4,780	4,780
257	1160490BB	OPERATIONAL ENHANCEMENTS INTELLIGENCE	12,176	12,176
258	1203610K	TELEPORT PROGRAM	2,323	2,323
		SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT	**4,973,946**	**4,985,946**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW	**22,016,553**	**22,415,591**
		OPERATIONAL TEST & EVAL, DEFENSE MANAGEMENT SUPPORT		
1	0605118OTE	OPERATIONAL TEST AND EVALUATION	85,685	85,685
2	0605131OTE	LIVE FIRE TEST AND EVALUATION	64,332	64,332
3	0605814OTE	OPERATIONAL TEST ACTIVITIES AND ANALYSES	70,992	81,892
		Increase for test and evaluation technologies		[10,900]
		SUBTOTAL MANAGEMENT SUPPORT	**221,009**	**231,909**
		TOTAL OPERATIONAL TEST & EVAL, DEFENSE	**221,009**	**231,909**
		TOTAL RDT&E	**91,056,950**	**92,216,538**

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
		RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY		
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
56	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	1,000	1,000

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
58	0603627A	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	1,500	1,500
61	0603747A	SOLDIER SUPPORT AND SURVIVABILITY	3,000	3,000
76	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD)	23,000	23,000
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	**28,500**	**28,500**
		SYSTEM DEVELOPMENT & DEMONSTRATION		
88	0604328A	TRACTOR CAGE	12,000	12,000
100	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV.	119,300	119,300
125	0605032A	TRACTOR TIRE	66,760	66,760
128	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM)	2,670	2,670
136	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT	34,933	34,933
147	0303032A	TROJAN—RH12	1,200	1,200
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	**236,863**	**236,863**
		OPERATIONAL SYSTEMS DEVELOPMENT		
184	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS.	2,548	2,548
185	0607133A	TRACTOR SMOKE	7,780	7,780
206	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	2,000	2,000
209	0205402A	INTEGRATED BASE DEFENSE—OPERATIONAL SYSTEM DEV	8,000	8,000
216	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES	23,199	23,199
226	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS	14,000	14,000
231	0307665A	BIOMETRICS ENABLED INTELLIGENCE	2,214	2,214
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	**59,741**	**59,741**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY.	**325,104**	**325,104**
		RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY		
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
41	0603527N	RETRACT LARCH	18,000	18,000
61	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	13,900	13,900
74	0603795N	LAND ATTACK TECHNOLOGY	1,400	1,400
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	**33,300**	**33,300**
		SYSTEM DEVELOPMENT & DEMONSTRATION		
149	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL)	1,100	1,100
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	**1,100**	**1,100**
	9999999999	CLASSIFIED PROGRAMS	117,282	117,282
		OPERATIONAL SYSTEMS DEVELOPMENT		
236	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS	16,130	16,130
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	**133,412**	**133,412**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY.	**167,812**	**167,812**
		RESEARCH, DEVELOPMENT, TEST & EVAL, AF		
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
65	1206438F	SPACE CONTROL TECHNOLOGY	1,100	1,100
70	1206857F	OPERATIONALLY RESPONSIVE SPACE	12,395	12,395
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	**13,495**	**13,495**
	9999999999	CLASSIFIED PROGRAMS	188,127	188,127
		OPERATIONAL SYSTEMS DEVELOPMENT		
186	0205219F	MQ–9 UAV	4,500	4,500
187	0205671F	JOINT COUNTER RCIED ELECTRONIC WARFARE	4,000	4,000
188	0207131F	A–10 SQUADRONS	1,000	1,000
217	0207610F	BATTLEFIELD ABN COMM NODE (BACN)	42,349	42,349
228	0208288F	INTEL DATA APPLICATIONS	1,200	1,200
254	0305111F	WEATHER SERVICE	3,000	3,000
268	0305202F	DRAGON U–2	22,100	22,100
272	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	29,500	29,500
310	1202247F	AF TENCAP	5,000	5,000
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	**300,776**	**300,776**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF	**314,271**	**314,271**
		RESEARCH, DEVELOPMENT, TEST & EVAL, DW		
		ADVANCED TECHNOLOGY DEVELOPMENT		

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
24	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT	25,000	25,000
26	0603134BR	COUNTER IMPROVISED-THREAT SIMULATION	13,648	13,648
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	**38,648**	**38,648**
		ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES		
94	0604134BR	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.	242,668	242,668
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES.	**242,668**	**242,668**
	9999999999	CLASSIFIED PROGRAMS	192,131	192,131
		OPERATIONAL SYSTEM DEVELOPMENT		
250	1160408BB	OPERATIONAL ENHANCEMENTS	3,632	3,632
251	1160431BB	WARRIOR SYSTEMS	11,040	11,040
253	1160434BB	UNMANNED ISR	11,700	11,700
254	1160480BB	SOF TACTICAL VEHICLES	725	725
		SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT	**219,228**	**219,228**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW	**500,544**	**500,544**
		TOTAL RDT&E	**1,307,731**	**1,307,731**

TITLE XLIII—OPERATION AND MAINTENANCE

SEC. 4301. OPERATION AND MAINTENANCE.

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	OPERATION & MAINTENANCE, ARMY		
	OPERATING FORCES		
010	MANEUVER UNITS	2,076,360	2,076,360
020	MODULAR SUPPORT BRIGADES	107,946	107,946
030	ECHELONS ABOVE BRIGADE	732,485	732,485
040	THEATER LEVEL ASSETS	1,169,508	1,169,508
050	LAND FORCES OPERATIONS SUPPORT	1,180,460	1,180,460
060	AVIATION ASSETS	1,467,500	1,467,500
070	FORCE READINESS OPERATIONS SUPPORT	4,285,211	4,285,211
080	LAND FORCES SYSTEMS READINESS	482,201	482,201
090	LAND FORCES DEPOT MAINTENANCE	1,536,851	1,536,851
100	BASE OPERATIONS SUPPORT	8,274,299	8,274,299
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	3,516,859	3,516,859
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	438,733	438,733
180	US AFRICA COMMAND	231,518	231,518
190	US EUROPEAN COMMAND	150,268	150,268
200	US SOUTHERN COMMAND	195,964	210,264
	SOUTHCOM ABN GFE Sensor (GEOINT/SIGINT)		[4,200]
	SOUTHCOM Cyber HUMINT (CME/OPS)		[1,000]
	SOUTHCOM OSINT/PAI (CME/LIC/TOOLS)		[1,600]
	SOUTHCOM Overland Airborne ISR Flight Hours		[7,200]
	SOUTHCOM SIGINT Suite COMSAT RF		[300]
210	US FORCES KOREA	59,625	59,625
	SUBTOTAL OPERATING FORCES	**25,905,788**	**25,920,088**
	MOBILIZATION		
220	STRATEGIC MOBILITY	370,941	370,941
230	ARMY PREPOSITIONED STOCKS	573,560	573,560
240	INDUSTRIAL PREPAREDNESS	7,678	7,678
	SUBTOTAL MOBILIZATION	**952,179**	**952,179**
	TRAINING AND RECRUITING		
250	OFFICER ACQUISITION	135,832	135,832
260	RECRUIT TRAINING	54,819	54,819

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
270	ONE STATION UNIT TRAINING	69,599	69,599
280	SENIOR RESERVE OFFICERS TRAINING CORPS	518,998	518,998
290	SPECIALIZED SKILL TRAINING	1,020,073	1,020,073
300	FLIGHT TRAINING	1,082,190	1,082,190
310	PROFESSIONAL DEVELOPMENT EDUCATION	220,399	220,399
320	TRAINING SUPPORT	611,482	611,482
330	RECRUITING AND ADVERTISING	698,962	498,962
	Marketing Cuts		[–200,000]
340	EXAMINING	162,049	162,049
350	OFF-DUTY AND VOLUNTARY EDUCATION	215,622	215,622
360	CIVILIAN EDUCATION AND TRAINING	176,914	176,914
370	JUNIOR RESERVE OFFICER TRAINING CORPS	174,430	174,430
	SUBTOTAL TRAINING AND RECRUITING	**5,141,369**	**4,941,369**
	CLASSIFIED PROGRAMS	1,259,622	1,259,622
	ADMIN & SRVWIDE ACTIVITIES		
390	SERVICEWIDE TRANSPORTATION	588,047	588,047
400	CENTRAL SUPPLY ACTIVITIES	931,462	931,462
410	LOGISTIC SUPPORT ACTIVITIES	696,114	696,114
420	AMMUNITION MANAGEMENT	461,637	461,637
430	ADMINISTRATION	447,564	447,564
440	SERVICEWIDE COMMUNICATIONS	2,069,127	2,069,127
450	MANPOWER MANAGEMENT	261,021	261,021
460	OTHER PERSONNEL SUPPORT	379,541	379,541
470	OTHER SERVICE SUPPORT	1,699,767	1,699,767
480	ARMY CLAIMS ACTIVITIES	192,686	192,686
490	REAL ESTATE MANAGEMENT	240,917	240,917
500	FINANCIAL MANAGEMENT AND AUDIT READINESS	291,569	291,569
510	INTERNATIONAL MILITARY HEADQUARTERS	442,656	442,656
520	MISC. SUPPORT OF OTHER NATIONS	48,251	48,251
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	**10,009,981**	**10,009,981**
	UNDISTRIBUTED		
1	UNDISTRIBUTED	0	–200,000
	Army misrepresentation of civilian pay budget request		[–200,000]
	SUBTOTAL UNDISTRIBUTED	**0**	**–200,000**
	TOTAL OPERATION & MAINTENANCE, ARMY	**42,009,317**	**41,623,617**
	OPERATION & MAINTENANCE, ARMY RES		
	OPERATING FORCES		
010	MODULAR SUPPORT BRIGADES	13,867	13,867
020	ECHELONS ABOVE BRIGADE	536,438	536,438
030	THEATER LEVEL ASSETS	113,225	113,225
040	LAND FORCES OPERATIONS SUPPORT	551,141	551,141
050	AVIATION ASSETS	89,073	89,073
060	FORCE READINESS OPERATIONS SUPPORT	409,531	409,531
070	LAND FORCES SYSTEMS READINESS	101,411	101,411
080	LAND FORCES DEPOT MAINTENANCE	60,114	60,114
090	BASE OPERATIONS SUPPORT	595,728	595,728
100	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	304,658	304,658
110	MANAGEMENT AND OPERATIONAL HEADQUARTERS	22,175	22,175
	SUBTOTAL OPERATING FORCES	**2,797,361**	**2,797,361**
	ADMIN & SRVWD ACTIVITIES		
120	SERVICEWIDE TRANSPORTATION	11,832	11,832
130	ADMINISTRATION	18,218	18,218
140	SERVICEWIDE COMMUNICATIONS	25,069	25,069
150	MANPOWER MANAGEMENT	6,248	6,248
160	RECRUITING AND ADVERTISING	58,181	58,181
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**119,548**	**119,548**
	TOTAL OPERATION & MAINTENANCE, ARMY RES	**2,916,909**	**2,916,909**
	OPERATION & MAINTENANCE, ARNG		
	OPERATING FORCES		
010	MANEUVER UNITS	810,269	810,269
020	MODULAR SUPPORT BRIGADES	193,402	193,402
030	ECHELONS ABOVE BRIGADE	753,815	753,815

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
040	THEATER LEVEL ASSETS	84,124	84,124
050	LAND FORCES OPERATIONS SUPPORT	31,881	31,881
060	AVIATION ASSETS	973,874	973,874
070	FORCE READINESS OPERATIONS SUPPORT	784,086	784,086
080	LAND FORCES SYSTEMS READINESS	51,353	51,353
090	LAND FORCES DEPOT MAINTENANCE	221,633	221,633
100	BASE OPERATIONS SUPPORT	1,129,942	1,129,942
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	919,947	919,947
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	1,010,524	1,010,524
	SUBTOTAL OPERATING FORCES	**6,964,850**	**6,964,850**
	ADMIN & SRVWD ACTIVITIES		
130	SERVICEWIDE TRANSPORTATION	10,017	10,017
140	ADMINISTRATION	72,746	72,746
150	SERVICEWIDE COMMUNICATIONS	83,105	83,105
160	MANPOWER MANAGEMENT	10,678	10,678
170	OTHER PERSONNEL SUPPORT	254,753	254,753
180	REAL ESTATE MANAGEMENT	3,146	3,146
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**434,445**	**434,445**
	TOTAL OPERATION & MAINTENANCE, ARNG	**7,399,295**	**7,399,295**
	OPERATION & MAINTENANCE, NAVY		
	OPERATING FORCES		
010	MISSION AND OTHER FLIGHT OPERATIONS	5,372,399	5,372,399
020	FLEET AIR TRAINING	2,023,351	2,023,351
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES	56,225	56,225
040	AIR OPERATIONS AND SAFETY SUPPORT	156,081	156,081
050	AIR SYSTEMS SUPPORT	682,379	682,379
060	AIRCRAFT DEPOT MAINTENANCE	1,253,756	1,253,756
070	AIRCRAFT DEPOT OPERATIONS SUPPORT	66,649	66,649
080	AVIATION LOGISTICS	939,368	939,368
090	MISSION AND OTHER SHIP OPERATIONS	4,439,566	4,439,566
100	SHIP OPERATIONS SUPPORT & TRAINING	997,663	997,663
110	SHIP DEPOT MAINTENANCE	8,751,526	8,751,526
120	SHIP DEPOT OPERATIONS SUPPORT	2,168,876	2,168,876
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE	1,349,593	1,351,293
	SOUTHCOM CCO Sensor Integration		[1,700]
150	SPACE SYSTEMS AND SURVEILLANCE	215,255	215,255
160	WARFARE TACTICS	632,446	632,446
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	373,046	373,046
180	COMBAT SUPPORT FORCES	1,452,075	1,452,075
190	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	153,719	153,719
210	COMBATANT COMMANDERS CORE OPERATIONS	63,039	63,039
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	89,339	89,339
230	MILITARY INFORMATION SUPPORT OPERATIONS	8,475	8,475
240	CYBERSPACE ACTIVITIES	424,088	424,088
260	FLEET BALLISTIC MISSILE	1,361,947	1,361,947
280	WEAPONS MAINTENANCE	823,952	823,952
290	OTHER WEAPON SYSTEMS SUPPORT	494,101	494,101
300	ENTERPRISE INFORMATION	921,936	876,936
	General reduction		[–45,000]
310	SUSTAINMENT, RESTORATION AND MODERNIZATION	2,040,389	2,446,389
	FSRM to 100% max executable		[406,000]
320	BASE OPERATING SUPPORT	4,414,753	4,414,753
	SUBTOTAL OPERATING FORCES	**41,725,992**	**42,088,692**
	MOBILIZATION		
330	SHIP PREPOSITIONING AND SURGE	549,142	549,142
340	READY RESERVE FORCE	310,805	310,805
360	SHIP ACTIVATIONS/INACTIVATIONS	161,150	161,150
370	EXPEDITIONARY HEALTH SERVICES SYSTEMS	120,338	120,338
390	COAST GUARD SUPPORT	24,097	24,097
	SUBTOTAL MOBILIZATION	**1,165,532**	**1,165,532**
	TRAINING AND RECRUITING		
400	OFFICER ACQUISITION	145,481	145,481
410	RECRUIT TRAINING	9,637	9,637

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
420	RESERVE OFFICERS TRAINING CORPS	149,687	149,687
430	SPECIALIZED SKILL TRAINING	879,557	879,557
450	PROFESSIONAL DEVELOPMENT EDUCATION	184,436	184,436
460	TRAINING SUPPORT	223,159	223,159
470	RECRUITING AND ADVERTISING	181,086	181,086
480	OFF-DUTY AND VOLUNTARY EDUCATION	96,006	96,006
490	CIVILIAN EDUCATION AND TRAINING	72,083	72,083
500	JUNIOR ROTC	54,156	54,156
	SUBTOTAL TRAINING AND RECRUITING	**1,995,288**	**1,995,288**
	CLASSIFIED PROGRAMS	574,994	574,994
	ADMIN & SRVWD ACTIVITIES		
510	ADMINISTRATION	1,089,964	1,089,964
530	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT	164,074	164,074
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	418,350	418,350
580	SERVICEWIDE TRANSPORTATION	167,106	167,106
600	PLANNING, ENGINEERING, AND PROGRAM SUPPORT	333,556	333,556
610	ACQUISITION, LOGISTICS, AND OVERSIGHT	663,690	663,690
650	INVESTIGATIVE AND SECURITY SERVICES	705,087	705,087
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**4,116,821**	**4,116,821**
	TOTAL OPERATION & MAINTENANCE, NAVY	**49,003,633**	**49,366,333**
	OPERATION & MAINTENANCE, MARINE CORPS		
	OPERATING FORCES		
010	OPERATIONAL FORCES	873,320	873,320
020	FIELD LOGISTICS	1,094,187	1,094,187
030	DEPOT MAINTENANCE	314,182	314,182
040	MARITIME PREPOSITIONING	98,136	98,136
050	CYBERSPACE ACTIVITIES	183,546	183,546
060	SUSTAINMENT, RESTORATION & MODERNIZATION	832,636	832,636
070	BASE OPERATING SUPPORT	2,151,390	2,151,390
	SUBTOTAL OPERATING FORCES	**5,547,397**	**5,547,397**
	TRAINING AND RECRUITING		
080	RECRUIT TRAINING	16,453	16,453
090	OFFICER ACQUISITION	1,144	1,144
100	SPECIALIZED SKILL TRAINING	106,360	106,360
110	PROFESSIONAL DEVELOPMENT EDUCATION	46,096	46,096
120	TRAINING SUPPORT	389,751	389,751
130	RECRUITING AND ADVERTISING	201,662	201,662
140	OFF-DUTY AND VOLUNTARY EDUCATION	32,461	32,461
150	JUNIOR ROTC	24,217	24,217
	SUBTOTAL TRAINING AND RECRUITING	**818,144**	**818,144**
	CLASSIFIED PROGRAMS	50,859	50,859
	ADMIN & SRVWD ACTIVITIES		
160	SERVICEWIDE TRANSPORTATION	29,735	29,735
170	ADMINISTRATION	386,375	386,375
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**466,969**	**466,969**
	TOTAL OPERATION & MAINTENANCE, MARINE CORPS	**6,832,510**	**6,832,510**
	OPERATION & MAINTENANCE, NAVY RES		
	OPERATING FORCES		
010	MISSION AND OTHER FLIGHT OPERATIONS	569,584	569,584
020	INTERMEDIATE MAINTENANCE	6,902	6,902
030	AIRCRAFT DEPOT MAINTENANCE	109,776	109,776
040	AIRCRAFT DEPOT OPERATIONS SUPPORT	538	538
050	AVIATION LOGISTICS	18,888	18,888
060	SHIP OPERATIONS SUPPORT & TRAINING	574	574
070	COMBAT COMMUNICATIONS	17,561	17,561
080	COMBAT SUPPORT FORCES	121,070	121,070
090	CYBERSPACE ACTIVITIES	337	337
100	ENTERPRISE INFORMATION	23,964	23,964
110	SUSTAINMENT, RESTORATION AND MODERNIZATION	36,356	36,356
120	BASE OPERATING SUPPORT	103,562	103,562
	SUBTOTAL OPERATING FORCES	**1,009,112**	**1,009,112**

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	ADMIN & SRVWD ACTIVITIES		
130	ADMINISTRATION	1,868	1,868
140	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	12,849	12,849
160	ACQUISITION AND PROGRAM MANAGEMENT	3,177	3,177
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**17,894**	**17,894**
	TOTAL OPERATION & MAINTENANCE, NAVY RES	**1,027,006**	**1,027,006**
	OPERATION & MAINTENANCE, MC RESERVE		
	OPERATING FORCES		
010	OPERATING FORCES	99,173	99,173
020	DEPOT MAINTENANCE	19,430	19,430
030	SUSTAINMENT, RESTORATION AND MODERNIZATION	39,962	39,962
040	BASE OPERATING SUPPORT	101,829	101,829
	SUBTOTAL OPERATING FORCES	**260,394**	**260,394**
	ADMIN & SRVWD ACTIVITIES		
050	ADMINISTRATION	11,176	11,176
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**11,176**	**11,176**
	TOTAL OPERATION & MAINTENANCE, MC RESERVE	**271,570**	**271,570**
	OPERATION & MAINTENANCE, AIR FORCE		
	CLASSIFIED PROGRAMS	1,164,810	1,164,810
	OPERATING FORCES		
010	PRIMARY COMBAT FORCES	758,178	783,178
	Increase for F–35 sustainment to accelerate depot component repair capability		[25,000]
020	COMBAT ENHANCEMENT FORCES	1,509,027	1,509,027
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	1,323,330	1,323,330
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE	3,511,830	3,511,830
050	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	2,892,705	2,917,705
	Additional demo		[25,000]
060	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	7,613,084	8,258,984
	Increase for JSTARS buy-back		[95,900]
	WSS to 100% executable		[550,000]
070	FLYING HOUR PROGRAM	4,345,208	4,395,208
	Increase for JSTARS buy-back		[50,000]
080	BASE SUPPORT	5,989,215	5,989,215
090	GLOBAL C3I AND EARLY WARNING	928,023	928,023
100	OTHER COMBAT OPS SPT PROGRAMS	1,080,956	1,080,956
110	CYBERSPACE ACTIVITIES	879,032	879,032
130	LAUNCH FACILITIES	183,777	183,777
140	SPACE CONTROL SYSTEMS	404,072	404,072
170	US NORTHCOM/NORAD	187,375	187,375
180	US STRATCOM	529,902	529,902
190	US CYBERCOM	329,474	329,474
200	US CENTCOM	166,024	166,024
210	US SOCOM	723	723
220	US TRANSCOM	535	535
918	UNDISTRIBUTED	0	156,800
	Procurement of 7 DABs for PACOM		[156,800]
	SUBTOTAL OPERATING FORCES	**33,797,280**	**34,699,980**
	MOBILIZATION		
230	AIRLIFT OPERATIONS	1,307,695	1,307,695
240	MOBILIZATION PREPAREDNESS	144,417	144,417
	SUBTOTAL MOBILIZATION	**1,452,112**	**1,452,112**
	TRAINING AND RECRUITING		
280	OFFICER ACQUISITION	133,187	133,187
290	RECRUIT TRAINING	25,041	25,041
300	RESERVE OFFICERS TRAINING CORPS (ROTC)	117,338	117,338
330	SPECIALIZED SKILL TRAINING	401,996	401,996
340	FLIGHT TRAINING	477,064	477,064
350	PROFESSIONAL DEVELOPMENT EDUCATION	276,423	276,423
360	TRAINING SUPPORT	95,948	95,948
380	RECRUITING AND ADVERTISING	154,530	154,530
390	EXAMINING	4,132	4,132

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
400	OFF-DUTY AND VOLUNTARY EDUCATION	223,150	223,150
410	CIVILIAN EDUCATION AND TRAINING	209,497	209,497
420	JUNIOR ROTC	59,908	59,908
	SUBTOTAL TRAINING AND RECRUITING	**2,178,214**	**2,178,214**
	CLASSIFIED PROGRAMS	1,222,456	1,222,456
	ADMIN & SRVWD ACTIVITIES		
430	LOGISTICS OPERATIONS	681,788	681,788
440	TECHNICAL SUPPORT ACTIVITIES	117,812	117,812
480	ADMINISTRATION	953,102	953,102
490	SERVICEWIDE COMMUNICATIONS	358,389	358,389
500	OTHER SERVICEWIDE ACTIVITIES	1,194,862	1,194,862
510	CIVIL AIR PATROL	29,594	29,594
540	INTERNATIONAL SUPPORT	74,959	74,959
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**4,632,962**	**4,632,962**
	TOTAL OPERATION & MAINTENANCE, AIR FORCE	**42,060,568**	**42,963,268**
	OPERATION & MAINTENANCE, AF RESERVE		
	OPERATING FORCES		
010	PRIMARY COMBAT FORCES	1,853,437	1,853,437
020	MISSION SUPPORT OPERATIONS	205,369	205,369
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	345,576	345,576
040	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	120,736	123,536
	Additional demo		[2,800]
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	241,239	293,239
	WSS to 91%		[52,000]
060	BASE SUPPORT	385,922	385,922
	SUBTOTAL OPERATING FORCES	**3,152,279**	**3,207,079**
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES		
070	ADMINISTRATION	71,188	71,188
080	RECRUITING AND ADVERTISING	19,429	19,429
090	MILITARY MANPOWER AND PERS MGMT (ARPC)	9,386	9,386
100	OTHER PERS SUPPORT (DISABILITY COMP)	7,512	7,512
110	AUDIOVISUAL	440	440
	SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES	**107,955**	**107,955**
	TOTAL OPERATION & MAINTENANCE, AF RESERVE	**3,260,234**	**3,315,034**
	OPERATION & MAINTENANCE, ANG		
	OPERATING FORCES		
010	AIRCRAFT OPERATIONS	2,619,940	2,621,540
	Restoring O&M associated with buyback of 3 PMAI JSTARS aircraft		[1,600]
020	MISSION SUPPORT OPERATIONS	623,265	623,265
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	748,287	748,287
040	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	303,792	303,792
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,061,759	1,061,759
060	BASE SUPPORT	988,333	999,333
	PFAS Transfer		[11,000]
	SUBTOTAL OPERATING FORCES	**6,345,376**	**6,357,976**
	ADMINISTRATION AND SERVICE-WIDE ACTIVITIES		
070	ADMINISTRATION	45,711	45,711
080	RECRUITING AND ADVERTISING	36,535	36,535
	SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES	**82,246**	**82,246**
	TOTAL OPERATION & MAINTENANCE, ANG	**6,427,622**	**6,440,222**
	OPERATION AND MAINTENANCE, DEFENSE-WIDE		
	OPERATING FORCES		
010	JOINT CHIEFS OF STAFF	430,215	432,715
	Operational logistics exercise elements		[2,500]
020	JOINT CHIEFS OF STAFF—CE2T2	602,186	602,186
040	SPECIAL OPERATIONS COMMAND/OPERATING FORCES	5,389,250	5,389,250

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	SUBTOTAL OPERATING FORCES	**6,421,651**	**6,424,151**
	TRAINING AND RECRUITING		
050	DEFENSE ACQUISITION UNIVERSITY	181,601	181,601
060	JOINT CHIEFS OF STAFF	96,565	96,565
070	SPECIAL OPERATIONS COMMAND/TRAINING AND RECRUITING	370,583	370,583
	SUBTOTAL TRAINING AND RECRUITING	**648,749**	**648,749**
	CLASSIFIED PROGRAMS	15,645,192	15,645,192
	ADMIN & SRVWIDE ACTIVITIES		
080	CIVIL MILITARY PROGRAMS	166,131	166,131
100	DEFENSE CONTRACT AUDIT AGENCY	625,633	625,633
110	DEFENSE CONTRACT MANAGEMENT AGENCY	1,465,354	1,465,354
120	DEFENSE HUMAN RESOURCES ACTIVITY	859,923	859,923
130	DEFENSE INFORMATION SYSTEMS AGENCY	2,106,930	2,106,930
150	DEFENSE LEGAL SERVICES AGENCY	27,403	27,403
160	DEFENSE LOGISTICS AGENCY	379,275	379,275
170	DEFENSE MEDIA ACTIVITY	207,537	207,537
180	DEFENSE PERSONNEL ACCOUNTING AGENCY	130,696	130,696
190	DEFENSE SECURITY COOPERATION AGENCY	754,711	754,711
200	DEFENSE SECURITY SERVICE	789,175	852,775
	Additional civilian FTE		[18,600]
	New mission needs		[45,000]
220	DEFENSE TECHNOLOGY SECURITY ADMINISTRATION	34,951	34,951
230	DEFENSE THREAT REDUCTION AGENCY	553,329	553,329
250	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	2,892,284	2,942,284
	Impact aid for children with severe disabilities		[10,000]
	Impact aid for schools with military dependent students		[40,000]
260	MISSILE DEFENSE AGENCY	499,817	499,817
280	OFFICE OF ECONOMIC ADJUSTMENT	70,035	70,035
290	OFFICE OF THE SECRETARY OF DEFENSE	1,519,655	1,565,655
	CDC Health Study (sec. 312)		[10,000]
	Clearinghouse		[1,000]
	Defense Environmental International Cooperations (DEIC)		[1,000]
	Defense Fellows Program		[10,000]
	DOD emerging contaminants		[1,000]
	DOD environmental resilience		[1,000]
	DOD Rewards Program Cut		[–3,000]
	Readiness and Environmental Protection Initiative Increase		[25,000]
300	SPECIAL OPERATIONS COMMAND/ADMIN & SVC-WIDE ACTIVITIES	97,787	97,787
310	WASHINGTON HEADQUARTERS SERVICES	456,407	456,407
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	**29,282,225**	**29,441,825**
	TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE	**36,352,625**	**36,514,725**
	MISCELLANEOUS APPROPRIATIONS		
	US COURT OF APPEALS FOR ARMED FORCES, DEF		
010	US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE	14,662	14,662
	SUBTOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF	**14,662**	**14,662**
	OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID		
010	OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID	107,663	107,663
	SUBTOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID	**107,663**	**107,663**
	COOPERATIVE THREAT REDUCTION ACCOUNT		
010	FORMER SOVIET UNION (FSU) THREAT REDUCTION	335,240	335,240
	SUBTOTAL COOPERATIVE THREAT REDUCTION ACCOUNT	**335,240**	**335,240**
	DOD ACQUISITION WORKFORCE DEVELOPMENT FUND		
010	ACQ WORKFORCE DEV FD	400,000	400,000

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	SUBTOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND	**400,000**	**400,000**
	ENVIRONMENTAL RESTORATION, ARMY		
060	ENVIRONMENTAL RESTORATION, ARMY	203,449	203,449
	SUBTOTAL ENVIRONMENTAL RESTORATION, ARMY	**203,449**	**203,449**
	ENVIRONMENTAL RESTORATION, NAVY		
080	ENVIRONMENTAL RESTORATION, NAVY	329,253	329,253
	SUBTOTAL ENVIRONMENTAL RESTORATION, NAVY	**329,253**	**329,253**
	ENVIRONMENTAL RESTORATION, AIR FORCE		
100	ENVIRONMENTAL RESTORATION, AIR FORCE	296,808	285,808
	PFAS Transfer		[–11,000]
	SUBTOTAL ENVIRONMENTAL RESTORATION, AIR FORCE	**296,808**	**285,808**
	ENVIRONMENTAL RESTORATION, DEFENSE		
120	ENVIRONMENTAL RESTORATION, DEFENSE	8,926	8,926
	SUBTOTAL ENVIRONMENTAL RESTORATION, DEFENSE	**8,926**	**8,926**
	ENVIRONMENTAL RESTORATION FORMERLY USED SITES		
140	ENVIRONMENTAL RESTORATION FORMERLY USED SITES	212,346	212,346
	SUBTOTAL ENVIRONMENTAL RESTORATION FORMERLY USED SITES	**212,346**	**212,346**
	TOTAL MISCELLANEOUS APPROPRIATIONS	**1,908,347**	**1,897,347**
	UNDISTRIBUTED		
	UNDISTRIBUTED		
999	UNDISTRIBUTED	0	–216,520
	Foreign Currency Fluctuation		[–267,000]
	JROTC		[5,480]
	Operation and Maintenance, Air Force DSMOA		[10,000]
	Operation and Maintenance, Air National Guard DSMOA		[15,000]
	Operation and Maintenance, Army DSMOA		[10,000]
	Operation and Maintenance, Navy DSMOA		[10,000]
	SUBTOTAL UNDISTRIBUTED	**0**	**–216,520**
	TOTAL UNDISTRIBUTED	**0**	**–216,520**
	TOTAL OPERATION & MAINTENANCE	**199,469,636**	**200,351,316**

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	OPERATION & MAINTENANCE, ARMY		
	OPERATING FORCES		
010	MANEUVER UNITS	1,179,339	1,179,339
030	ECHELONS ABOVE BRIGADE	25,983	25,983
040	THEATER LEVEL ASSETS	2,189,916	2,189,916
050	LAND FORCES OPERATIONS SUPPORT	188,609	188,609
060	AVIATION ASSETS	120,787	120,787
070	FORCE READINESS OPERATIONS SUPPORT	3,867,286	3,867,286
080	LAND FORCES SYSTEMS READINESS	550,068	550,068
090	LAND FORCES DEPOT MAINTENANCE	195,873	195,873
100	BASE OPERATIONS SUPPORT	109,560	109,560
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	60,807	60,807
140	ADDITIONAL ACTIVITIES	5,992,222	5,992,222

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
150	COMMANDERS EMERGENCY RESPONSE PROGRAM	10,000	10,000
160	RESET	1,036,454	1,036,454
180	US AFRICA COMMAND	248,796	248,796
190	US EUROPEAN COMMAND	98,127	98,127
200	US SOUTHERN COMMAND	2,550	2,550
	SUBTOTAL OPERATING FORCES	**15,876,377**	**15,876,377**
	MOBILIZATION		
230	ARMY PREPOSITIONED STOCKS	158,753	158,753
	SUBTOTAL MOBILIZATION	**158,753**	**158,753**
	CLASSIFIED PROGRAMS	1,074,270	1,074,270
	ADMIN & SRVWIDE ACTIVITIES		
390	SERVICEWIDE TRANSPORTATION	712,230	712,230
400	CENTRAL SUPPLY ACTIVITIES	44,168	44,168
410	LOGISTIC SUPPORT ACTIVITIES	5,300	5,300
420	AMMUNITION MANAGEMENT	38,597	38,597
460	OTHER PERSONNEL SUPPORT	109,019	109,019
490	REAL ESTATE MANAGEMENT	191,786	191,786
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	**2,175,370**	**2,175,370**
	TOTAL OPERATION & MAINTENANCE, ARMY	**18,210,500**	**18,210,500**
	OPERATION & MAINTENANCE, ARMY RES		
	OPERATING FORCES		
020	ECHELONS ABOVE BRIGADE	20,700	20,700
060	FORCE READINESS OPERATIONS SUPPORT	700	700
090	BASE OPERATIONS SUPPORT	20,487	20,487
	SUBTOTAL OPERATING FORCES	**41,887**	**41,887**
	TOTAL OPERATION & MAINTENANCE, ARMY RES	**41,887**	**41,887**
	OPERATION & MAINTENANCE, ARNG		
	OPERATING FORCES		
010	MANEUVER UNITS	42,519	42,519
020	MODULAR SUPPORT BRIGADES	778	778
030	ECHELONS ABOVE BRIGADE	12,093	12,093
040	THEATER LEVEL ASSETS	708	708
060	AVIATION ASSETS	28,135	28,135
070	FORCE READINESS OPERATIONS SUPPORT	5,908	5,908
100	BASE OPERATIONS SUPPORT	18,877	18,877
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	956	956
	SUBTOTAL OPERATING FORCES	**109,974**	**109,974**
	ADMIN & SRVWD ACTIVITIES		
150	SERVICEWIDE COMMUNICATIONS	755	755
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**755**	**755**
	TOTAL OPERATION & MAINTENANCE, ARNG	**110,729**	**110,729**
	AFGHANISTAN SECURITY FORCES FUND		
	AFGHAN NATIONAL ARMY		
090	SUSTAINMENT	1,522,777	1,522,777
100	INFRASTRUCTURE	137,732	137,732
110	EQUIPMENT AND TRANSPORTATION	71,922	71,922
120	TRAINING AND OPERATIONS	175,846	175,846
	SUBTOTAL AFGHAN NATIONAL ARMY	**1,908,277**	**1,908,277**
	AFGHAN NATIONAL POLICE		
130	SUSTAINMENT	527,554	527,554
140	INFRASTRUCTURE	42,984	42,984
150	EQUIPMENT AND TRANSPORTATION	14,554	14,554
160	TRAINING AND OPERATIONS	181,922	181,922
	SUBTOTAL AFGHAN NATIONAL POLICE	**767,014**	**767,014**
	AFGHAN AIR FORCE		
170	SUSTAINMENT	942,279	942,279
180	INFRASTRUCTURE	30,350	30,350
190	EQUIPMENT AND TRANSPORTATION	572,310	572,310
200	TRAINING AND OPERATIONS	277,191	277,191

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	SUBTOTAL AFGHAN AIR FORCE	**1,822,130**	**1,822,130**
	AFGHAN SPECIAL SECURITY FORCES		
210	SUSTAINMENT	353,734	353,734
220	INFRASTRUCTURE	43,132	43,132
230	EQUIPMENT AND TRANSPORTATION	151,790	151,790
240	TRAINING AND OPERATIONS	153,373	153,373
	SUBTOTAL AFGHAN SPECIAL SECURITY FORCES	**702,029**	**702,029**
	TOTAL AFGHANISTAN SECURITY FORCES FUND	**5,199,450**	**5,199,450**
	OPERATION & MAINTENANCE, NAVY		
	OPERATING FORCES		
010	MISSION AND OTHER FLIGHT OPERATIONS	435,507	435,507
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES	800	800
040	AIR OPERATIONS AND SAFETY SUPPORT	9,394	9,394
050	AIR SYSTEMS SUPPORT	193,384	193,384
060	AIRCRAFT DEPOT MAINTENANCE	173,053	173,053
070	AIRCRAFT DEPOT OPERATIONS SUPPORT	3,524	3,524
080	AVIATION LOGISTICS	60,219	60,219
090	MISSION AND OTHER SHIP OPERATIONS	942,960	942,960
100	SHIP OPERATIONS SUPPORT & TRAINING	20,236	20,236
110	SHIP DEPOT MAINTENANCE	1,022,647	1,022,647
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE	59,553	59,553
160	WARFARE TACTICS	16,651	16,651
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	31,118	31,118
180	COMBAT SUPPORT FORCES	635,560	635,560
190	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	4,334	4,334
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	24,800	24,800
240	CYBERSPACE ACTIVITIES	355	355
280	WEAPONS MAINTENANCE	493,033	493,033
290	OTHER WEAPON SYSTEMS SUPPORT	12,780	12,780
310	SUSTAINMENT, RESTORATION AND MODERNIZATION	67,321	67,321
320	BASE OPERATING SUPPORT	211,394	211,394
	SUBTOTAL OPERATING FORCES	**4,418,623**	**4,418,623**
	MOBILIZATION		
370	EXPEDITIONARY HEALTH SERVICES SYSTEMS	12,902	12,902
390	COAST GUARD SUPPORT	165,000	165,000
	SUBTOTAL MOBILIZATION	**177,902**	**177,902**
	TRAINING AND RECRUITING		
430	SPECIALIZED SKILL TRAINING	51,138	51,138
	SUBTOTAL TRAINING AND RECRUITING	**51,138**	**51,138**
	CLASSIFIED PROGRAMS	16,076	16,076
	ADMIN & SRVWD ACTIVITIES		
510	ADMINISTRATION	4,145	4,145
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	7,503	7,503
580	SERVICEWIDE TRANSPORTATION	69,297	69,297
610	ACQUISITION, LOGISTICS, AND OVERSIGHT	10,912	10,912
650	INVESTIGATIVE AND SECURITY SERVICES	1,559	1,559
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**109,492**	**109,492**
	TOTAL OPERATION & MAINTENANCE, NAVY	**4,757,155**	**4,757,155**
	OPERATION & MAINTENANCE, MARINE CORPS		
	OPERATING FORCES		
010	OPERATIONAL FORCES	734,505	734,505
020	FIELD LOGISTICS	212,691	212,691
030	DEPOT MAINTENANCE	53,040	53,040
070	BASE OPERATING SUPPORT	23,047	23,047
	SUBTOTAL OPERATING FORCES	**1,023,283**	**1,023,283**
	TRAINING AND RECRUITING		
120	TRAINING SUPPORT	30,459	30,459
	SUBTOTAL TRAINING AND RECRUITING	**30,459**	**30,459**
	CLASSIFIED PROGRAMS	4,650	4,650

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	ADMIN & SRVWD ACTIVITIES		
160	SERVICEWIDE TRANSPORTATION	61,400	61,400
170	ADMINISTRATION	2,108	2,108
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**68,158**	**68,158**
	TOTAL OPERATION & MAINTENANCE, MARINE CORPS	**1,121,900**	**1,121,900**
	OPERATION & MAINTENANCE, NAVY RES		
	OPERATING FORCES		
020	INTERMEDIATE MAINTENANCE	500	500
030	AIRCRAFT DEPOT MAINTENANCE	11,400	11,400
080	COMBAT SUPPORT FORCES	13,737	13,737
	SUBTOTAL OPERATING FORCES	**25,637**	**25,637**
	TOTAL OPERATION & MAINTENANCE, NAVY RES	**25,637**	**25,637**
	OPERATION & MAINTENANCE, MC RESERVE		
	OPERATING FORCES		
010	OPERATING FORCES	2,550	2,550
040	BASE OPERATING SUPPORT	795	795
	SUBTOTAL OPERATING FORCES	**3,345**	**3,345**
	TOTAL OPERATION & MAINTENANCE, MC RESERVE	**3,345**	**3,345**
	OPERATION & MAINTENANCE, AIR FORCE		
	OPERATING FORCES		
010	PRIMARY COMBAT FORCES	166,274	166,274
020	COMBAT ENHANCEMENT FORCES	1,492,580	1,492,580
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	110,237	110,237
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE	209,996	209,996
050	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	92,412	92,412
060	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,289,693	1,289,693
070	FLYING HOUR PROGRAM	2,355,264	2,355,264
080	BASE SUPPORT	1,141,718	1,141,718
090	GLOBAL C3I AND EARLY WARNING	13,537	13,537
100	OTHER COMBAT OPS SPT PROGRAMS	224,713	224,713
110	CYBERSPACE ACTIVITIES	17,353	17,353
120	TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES	36,098	36,098
130	LAUNCH FACILITIES	385	385
140	SPACE CONTROL SYSTEMS	38,966	38,966
170	US NORTHCOM/NORAD	725	725
180	US STRATCOM	2,056	2,056
190	US CYBERCOM	35,189	35,189
200	US CENTCOM	162,691	162,691
210	US SOCOM	19,000	19,000
	SUBTOTAL OPERATING FORCES	**7,408,887**	**7,408,887**
	MOBILIZATION		
230	AIRLIFT OPERATIONS	1,287,659	1,287,659
240	MOBILIZATION PREPAREDNESS	107,064	107,064
	SUBTOTAL MOBILIZATION	**1,394,723**	**1,394,723**
	TRAINING AND RECRUITING		
280	OFFICER ACQUISITION	300	300
290	RECRUIT TRAINING	340	340
330	SPECIALIZED SKILL TRAINING	25,327	25,327
340	FLIGHT TRAINING	844	844
350	PROFESSIONAL DEVELOPMENT EDUCATION	1,199	1,199
360	TRAINING SUPPORT	1,320	1,320
	SUBTOTAL TRAINING AND RECRUITING	**29,330**	**29,330**
	CLASSIFIED PROGRAMS	51,108	51,108
	ADMIN & SRVWD ACTIVITIES		
430	LOGISTICS OPERATIONS	154,485	154,485
440	TECHNICAL SUPPORT ACTIVITIES	13,608	13,608
480	ADMINISTRATION	4,814	4,814
490	SERVICEWIDE COMMUNICATIONS	131,123	131,123
500	OTHER SERVICEWIDE ACTIVITIES	97,471	97,471

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	**Item**	**FY 2019 Request**	**Senate Authorized**
540	INTERNATIONAL SUPPORT	240	240
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**452,849**	**452,849**
	TOTAL OPERATION & MAINTENANCE, AIR FORCE	**9,285,789**	**9,285,789**
	OPERATION & MAINTENANCE, AF RESERVE		
	OPERATING FORCES		
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	51,000	51,000
060	BASE SUPPORT	9,500	9,500
	SUBTOTAL OPERATING FORCES	**60,500**	**60,500**
	TOTAL OPERATION & MAINTENANCE, AF RESERVE	**60,500**	**60,500**
	OPERATION & MAINTENANCE, ANG		
	OPERATING FORCES		
020	MISSION SUPPORT OPERATIONS	3,560	3,560
060	BASE SUPPORT	12,310	12,310
	SUBTOTAL OPERATING FORCES	**15,870**	**15,870**
	TOTAL OPERATION & MAINTENANCE, ANG	**15,870**	**15,870**
	OPERATION AND MAINTENANCE, DEFENSE-WIDE		
	OPERATING FORCES		
010	JOINT CHIEFS OF STAFF	28,671	28,671
040	SPECIAL OPERATIONS COMMAND/OPERATING FORCES	3,733,161	3,733,161
	SUBTOTAL OPERATING FORCES	**3,761,832**	**3,761,832**
	CLASSIFIED PROGRAMS	1,944,813	1,944,813
	ADMIN & SRVWIDE ACTIVITIES		
100	DEFENSE CONTRACT AUDIT AGENCY	1,781	1,781
110	DEFENSE CONTRACT MANAGEMENT AGENCY	21,723	21,723
130	DEFENSE INFORMATION SYSTEMS AGENCY	111,702	111,702
150	DEFENSE LEGAL SERVICES AGENCY	127,023	127,023
170	DEFENSE MEDIA ACTIVITY	14,377	14,377
190	DEFENSE SECURITY COOPERATION AGENCY	2,208,442	1,658,442
	Coalition Support Funds		[–550,000]
230	DEFENSE THREAT REDUCTION AGENCY	302,250	302,250
250	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	31,620	31,620
290	OFFICE OF THE SECRETARY OF DEFENSE	16,579	16,579
310	WASHINGTON HEADQUARTERS SERVICES	7,766	7,766
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	**4,788,076**	**4,238,076**
	TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE	**8,549,908**	**7,999,908**
	TOTAL OPERATION & MAINTENANCE	**47,382,670**	**46,832,670**

TITLE XLIV—MILITARY PERSONNEL

SEC. 4401. MILITARY PERSONNEL.

SEC. 4401. MILITARY PERSONNEL (In Thousands of Dollars)		
Item	**FY 2019 Request**	**Senate Authorized**
MILITARY PERSONNEL		
MILITARY PERSONNEL APPROPRIATIONS		
MILITARY PERSONNEL APPROPRIATIONS	140,689,301	137,627,221
End strength cut		[–993,200]
Foreign Currency Fluctuation		[–133,000]
JROTC		1,220
Military Personnel Underexecution		[–1,937,100]

SEC. 4401. MILITARY PERSONNEL (In Thousands of Dollars)		
Item	**FY 2019 Request**	**Senate Authorized**
SUBTOTAL MILITARY PERSONNEL APPROPRIATIONS	***140,689,301***	***137,627,221***
MEDICARE-ELIGIBLE RETIREE HEALTH FUND CONTRIBUTIONS		
MEDICARE-ELIGIBLE RETIREE HEALTH FUND CONTRIBUTIONS	*7,533,090*	*7,533,090*
SUBTOTAL MEDICARE-ELIGIBLE RETIREE HEALTH FUND CONTRIBUTIONS	***7,533,090***	***7,533,090***
TOTAL MILITARY PERSONNEL	***148,222,391***	***145,160,311***

1 ***SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTIN-***
2 ***GENCY OPERATIONS.***

SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)		
Item	**FY 2019 Request**	**Senate Authorized**
MILITARY PERSONNEL		
MILITARY PERSONNEL APPROPRIATIONS		
MILITARY PERSONNEL APPROPRIATIONS	*4,660,661*	*4,660,661*
SUBTOTAL MILITARY PERSONNEL APPROPRIATIONS	***4,660,661***	***4,660,661***
TOTAL MILITARY PERSONNEL	***4,660,661***	***4,660,661***

3 # *TITLE XLV—OTHER*
4 # *AUTHORIZATIONS*

5 ***SEC. 4501. OTHER AUTHORIZATIONS.***

SEC. 4501. OTHER AUTHORIZATIONS (In Thousands of Dollars)			
Line	**Item**	**FY 2019 Request**	**Senate Authorized**
	WORKING CAPITAL FUND		
	WORKING CAPITAL FUND, ARMY		
010	*Industrial Operations*	*59,002*	*59,002*
020	*Supply Management—Army*	*99,763*	*99,763*
	SUBTOTAL WORKING CAPITAL FUND, ARMY	***59,002***	***59,002***
	SUBTOTAL WORKING CAPITAL FUND, ARMY	***99,763***	***99,763***
	WORKING CAPITAL FUND, AIR FORCE		
020	*Supplies and Materials*	*69,054*	*69,054*
	SUBTOTAL WORKING CAPITAL FUND, AIR FORCE	***69,054***	***69,054***
	WORKING CAPITAL FUND, DEFENSE-WIDE		
020	*Supply Chain Management—Def*	*48,096*	*48,096*
	SUBTOTAL WORKING CAPITAL FUND, DEFENSE-WIDE	***48,096***	***48,096***
	WORKING CAPITAL FUND, DECA		
010	*Working Capital Fund, DECA*	*1,266,200*	*1,266,200*
	SUBTOTAL WORKING CAPITAL FUND, DECA	***1,266,200***	***1,266,200***
	TOTAL WORKING CAPITAL FUND	***1,542,115***	***1,542,115***

SEC. 4501. OTHER AUTHORIZATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	CHEM AGENTS & MUNITIONS DESTRUCTION		
	OPERATION AND MAINTENANCE		
1	*Chem Demilitarization—O&M*	*105,997*	*105,997*
	SUBTOTAL OPERATION AND MAINTENANCE	***105,997***	***105,997***
	RESEARCH, DEVELOPMENT, TEST, AND EVALUATION		
2	*Chem Demilitarization—RDT&E*	*886,728*	*886,728*
	SUBTOTAL RESEARCH, DEVELOPMENT, TEST, AND EVALUATION	***886,728***	***886,728***
	PROCUREMENT		
3	*Chem Demilitarization—Proc*	*1,091*	*1,091*
	SUBTOTAL PROCUREMENT	***1,091***	***1,091***
	TOTAL CHEM AGENTS & MUNITIONS DESTRUCTION	***993,816***	***993,816***
	DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF		
	DRUG INTERDICTION AND COUNTER DRUG ACTIVITIES		
010	*Drug Interdiction and Counter-Drug Activities, Defense*	*547,171*	*547,171*
	SUBTOTAL DRUG INTERDICTION AND COUNTER DRUG ACTIVITIES	***547,171***	***547,171***
	DRUG DEMAND REDUCTION PROGRAM		
020	*Drug Demand Reduction Program*	*117,900*	*117,900*
	SUBTOTAL DRUG DEMAND REDUCTION PROGRAM	***117,900***	***117,900***
	READINESS COUNTERDRUG ACTIVITIES		
040	*Drug Interdiction and Counter-Drug Activities, Defense*	*5,276*	*5,276*
	SUBTOTAL READINESS COUNTERDRUG ACTIVITIES	***5,276***	***5,276***
	NATIONAL GUARD COUNTER-DRUG PROGRAM		
030	*National Guard Counter-Drug Program*	*117,178*	*117,178*
	SUBTOTAL NATIONAL GUARD COUNTER-DRUG PROGRAM	***117,178***	***117,178***
	TOTAL DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF	***787,525***	***787,525***
	OFFICE OF THE INSPECTOR GENERAL		
	OPERATION AND MAINTENANCE		
010	*Office of the Inspector General*	*327,611*	*327,611*
	SUBTOTAL OPERATION AND MAINTENANCE	***327,611***	***327,611***
	RDT&E		
020	*Office of the Inspector General*	*1,602*	*1,602*
	SUBTOTAL RDT&E	***1,602***	***1,602***
	PROCUREMENT		
030	*Office of the Inspector General*	*60*	*60*
	SUBTOTAL PROCUREMENT	***60***	***60***
	TOTAL OFFICE OF THE INSPECTOR GENERAL	***329,273***	***329,273***
	DEFENSE HEALTH PROGRAM		
	OPERATION & MAINTENANCE		
010	*In-House Care*	*9,738,569*	*9,738,569*
020	*Private Sector Care*	*15,103,735*	*15,103,735*
030	*Consolidated Health Support*	*2,107,961*	*2,107,961*
040	*Information Management*	*2,039,878*	*2,039,878*
050	*Management Activities*	*307,629*	*307,629*
060	*Education and Training*	*756,778*	*759,278*
	Specialized medical pilot program		*[2,500]*
070	*Base Operations/Communications*	*2,090,845*	*2,090,845*
	SUBTOTAL OPERATION & MAINTENANCE	***32,145,395***	***32,147,895***
	RDT&E		
080	*R&D Research*	*11,386*	*11,386*
090	*R&D Exploratry Development*	*75,010*	*75,010*
100	*R&D Advanced Development*	*275,258*	*275,258*
110	*R&D Demonstration/Validation*	*117,529*	*117,529*

SEC. 4501. OTHER AUTHORIZATIONS (In Thousands of Dollars)			
Line	**Item**	**FY 2019 Request**	**Senate Authorized**
120	R&D Engineering Development	151,985	151,985
130	R&D Management and Support	63,755	63,755
140	R&D Capabilities Enhancement	15,714	15,714
	SUBTOTAL RDT&E	**710,637**	**710,637**
	PROCUREMENT		
150	PROC Initial Outfitting	33,056	33,056
160	PROC Replacement & Modernization	343,424	343,424
180	PROC DoD Healthcare Management System Modernization	496,680	496,680
	SUBTOTAL PROCUREMENT	**873,160**	**873,160**
	TOTAL DEFENSE HEALTH PROGRAM	**33,729,192**	**33,731,692**
	TOTAL OTHER AUTHORIZATIONS	**37,381,921**	**37,384,421**

1 **SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CON-**

2 **TINGENCY OPERATIONS.**

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	**Item**	**FY 2019 Request**	**Senate Authorized**
	WORKING CAPITAL FUND		
	WORKING CAPITAL FUND, ARMY		
020	Supply Management—Army	6,600	6,600
	SUBTOTAL WORKING CAPITAL FUND, ARMY	**6,600**	**6,600**
	WORKING CAPITAL FUND, AIR FORCE		
020	Supplies and Materials	8,590	8,590
	SUBTOTAL WORKING CAPITAL FUND, AIR FORCE	**8,590**	**8,590**
	TOTAL WORKING CAPITAL FUND	**15,190**	**15,190**
	DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF		
	DRUG INTERDICTION AND COUNTER DRUG ACTIVITIES		
010	Drug Interdiction and Counter-Drug Activities, Defense	153,100	153,100
	SUBTOTAL DRUG INTERDICTION AND COUNTER DRUG ACTIVITIES	**153,100**	**153,100**
	TOTAL DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF	**153,100**	**153,100**
	OFFICE OF THE INSPECTOR GENERAL		
	OPERATION AND MAINTENANCE		
010	Office of the Inspector General	24,692	24,692
	SUBTOTAL OPERATION AND MAINTENANCE	**24,692**	**24,692**
	TOTAL OFFICE OF THE INSPECTOR GENERAL	**24,692**	**24,692**
	DEFENSE HEALTH PROGRAM		
	OPERATION & MAINTENANCE		
010	In-House Care	72,627	72,627
020	Private Sector Care	277,066	277,066
030	Consolidated Health Support	2,375	2,375
	SUBTOTAL OPERATION & MAINTENANCE	**352,068**	**352,068**
	TOTAL DEFENSE HEALTH PROGRAM	**352,068**	**352,068**
	COUNTER-ISIS TRAIN AND EQUIP FUND		
	COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF)		
010	IRAQ	850,000	850,000
020	SYRIA	300,000	300,000
030	Other	250,000	250,000
	SUBTOTAL COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF)	**1,400,000**	**1,400,000**

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	**Item**	**FY 2019 Request**	**Senate Authorized**
	TOTAL COUNTER-ISIS TRAIN AND EQUIP FUND	**1,400,000**	**1,400,000**
	TOTAL OTHER AUTHORIZATIONS	**1,945,050**	**1,945,050**

TITLE XLVI—MILITARY CONSTRUCTION

SEC. 4601. MILITARY CONSTRUCTION.

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	**State/Country and Installation**	**Project Title**	**FY 2019 Request**	**Senate Authorized**
MILITARY CONSTRUCTION				
ARMY				
	Alabama			
ARMY	Anniston Army Depot	Weapon Maintenance Shop	5,200	5,200
	California			
ARMY	Fort Irwin	Multipurpose Range Complex	29,000	29,000
	Colorado			
ARMY	Fort Carson	Vehicle Maintenance Shop	77,000	77,000
	Georgia			
ARMY	Fort Gordon	Cyber Instructional Fac and Network Ctr	99,000	99,000
	Germany			
ARMY	East Camp Grafenwoehr	Mission Training Complex	31,000	31,000
	Hawaii			
ARMY	Fort Shafter	Command and Control Facility, Incr 4	105,000	105,000
ARMY	Wheeler Army Airfield	Rotary wing parking apron	0	50,000
	Honduras			
ARMY	Soto Cano AB	Barracks	21,000	21,000
	Indiana			
ARMY	Crane Army Ammunition Activity	Railcar Holding Area	16,000	16,000
	Kentucky			
ARMY	Fort Campbell	Microgrid and power plant	0	18,000
ARMY	Fort Campbell	Vehicle Maintenance Shop	32,000	32,000
ARMY	Fort Knox	Digital Air/Ground Integration Range	26,000	26,000
	Korea			
ARMY	Camp Tango	Command and Control Facility	17,500	17,500
	Kuwait			
ARMY	Camp Arifjan	Vehicle Maintenance Shop	44,000	44,000
	New Jersey			
ARMY	Picatinny Arsenal	Munitions Disassembly Complex	41,000	41,000
	New Mexico			
ARMY	White Sands Missile Range	Information Systems Facility	40,000	40,000
	New York			
ARMY	West Point Military Reservation	Engineering Center	95,000	95,000
ARMY	West Point Military Reservation	Parking Structure	65,000	65,000
	North Carolina			
ARMY	Fort Bragg	Dining Facility	10,000	10,000
	South Carolina			
ARMY	Fort Jackson	Trainee Barracks Complex 3, PH2	52,000	52,000
	Texas			
ARMY	Fort Bliss	Supply Support Activity	24,000	24,000
ARMY	Fort Hood	Supply Support Activity	0	9,600
	Virginia			
ARMY	Arlington National Cemetery	Arlington National Cemetery Southern Expansion.	0	30,000
	Worldwide Unspecified			
ARMY	Unspecified Worldwide Locations	Host Nation Support	34,000	34,000
ARMY	Unspecified Worldwide Locations	Planning and Design	71,068	71,068
ARMY	Unspecified Worldwide Locations	Unspecified Minor Construction	72,000	72,000
ARMY	Unspecified Worldwide Locations	Planning and Design	5,000	5,000

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Senate Authorized
SUBTOTAL ARMY			**1,011,768**	**1,119,368**
NAVY				
	Arizona			
NAVY	Camp Navajo	Missile Motor Magazines and U&SI	0	14,800
	Bahamas			
NAVY	Andros Island	AUTEC Austere Quarters	31,050	31,050
	Bahrain Island			
NAVY	SW Asia	Fleet Maintenance Facility & TOC	26,340	26,340
	California			
NAVY	Camp Pendleton	62 Area Mess Hall & Consolidated Warehouse	0	71,700
NAVY	Camp Pendleton	Supply Warehouse SOI-West	0	16,600
NAVY	Camp Pendleton	Potable Water Distribution Improvements	47,230	47,230
NAVY	Camp Pendleton	AAV-ACV Maintenance & Warehouse Facility	49,410	49,410
NAVY	Camp Pendleton	Full Motion Trainer Facility	10,670	10,670
NAVY	Camp Pendleton	Electrical Upgrades	4,020	4,020
NAVY	Coronado	CMV–22B Airfield Improvements	77,780	77,780
NAVY	Lemoore	F–35 Maintenance Hangar	112,690	112,690
NAVY	Miramar	F–35 Vertical Landing Pads and Taxiway	20,480	20,480
NAVY	Miramar	Airfield Security Improvements	11,500	11,500
NAVY	Point Mugu	Directed Energy Systems Intergration Lab	22,150	22,150
NAVY	San Diego	Harbor Drive Switching Station	48,440	48,440
NAVY	San Diego	Pier 8 Replacement	108,100	108,100
NAVY	San Nicolas Island	Missile Assembly Build & High Explosive Mag	31,010	31,010
NAVY	Seal Beach	Missile Magazines	0	21,800
NAVY	Seal Beach	Causeway, Boat Channel & Turning Basin	117,830	117,830
	District of Columbia			
NAVY	Naval Observatory	Master Time Clocks & Operations Facility	115,600	115,600
	Florida			
NAVY	Mayport	LCS Support Facility	82,350	82,350
NAVY	Mayport	LCS Operational Training Facility Addition	29,110	29,110
NAVY	NAS Whiting Field	Air Traffic Control Tower (North Field)	0	10,000
	Georgia			
NAVY	MCLB Albany	Welding and Body Repair Shop Facility	0	31,900
	Germany			
NAVY	Panzer Kaserne	Marforeur HQ Modernization and Expansion	43,950	43,950
	Guam			
NAVY	Joint Region Marianas	Ace Gym & Dining	27,910	27,910
NAVY	Joint Region Marianas	Earth Covered Magazines	52,270	52,270
NAVY	Joint Region Marianas	Ordnance Ops	22,020	22,020
NAVY	Joint Region Marianas	Machine Gun Range	141,287	15,000
NAVY	Joint Region Marianas	Unaccompanied Enlisted Housing	36,170	36,170
	Guantanamo Bay, Cuba			
NAVY	Guantanamo Bay	Solid Waste Management Facility	85,000	85,000
	Hawaii			
NAVY	Joint Base Pearl Harbor-Hickam	Drydock Waterfront Facility	45,000	45,000
NAVY	Kaneohe Bay	Corrosion Control Hangar	66,100	66,100
NAVY	Pearl City	Water Transmission Line	78,320	78,320
	Japan			
NAVY	Kadena AB	Tactical Operations Center	9,049	9,049
	Maine			
NAVY	Kittery	Extend Portal Crane Rail	39,725	39,725
NAVY	Kittery	Dry Dock #1 Superflood Basin	109,960	109,960
	Mississippi			
NAVY	Naval Construction Battalion Center	Expeditionary Combat Skills Student Berthing	0	22,300
	North Carolina			
NAVY	Camp Lejeune	2nd Radio BN Complex, Phase 2	0	51,300
NAVY	Cherry Point Marine Corps Air Station	Aircraft Maintenance Hangar	133,970	27,000
NAVY	Cherry Point Marine Corps Air Station	Flightline Utility Modernization	106,860	106,860
	Pennsylvania			
NAVY	Philadelphia	Submarine Propulsor Manufacturing Support Fac.	71,050	71,050
	South Carolina			
NAVY	MCAS Beaufort	Cryogenics Facility	0	6,300
NAVY	MCAS Beaufort	Recycling/Hazardous Waste Facility	9,517	9,517
NAVY	Parris Island	Range Improvements & Modernization, Phase 2	35,190	35,190
	Utah			
NAVY	Hill AFB	D5 Missile Motor Receipt/Storage Facility	105,520	105,520
	Virginia			
NAVY	Portsmouth	Ships Maintenance Facility	26,120	26,120
NAVY	Quantico	Ammunition Supply Point Upgrade, Phase 2	0	13,100
NAVY	Quantico	TBS Fire Station	21,980	0
	Washington			
NAVY	Bangor	Pier and Maintenance Facility	88,960	88,960

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Senate Authorized
NAVY	Whidbey Island	Fleet Support Facility	19,450	19,450
NAVY	Whidbey Island	Next Generation Jammer Facility	7,930	7,930
	Worldwide Unspecified			
NAVY	Unspecified Worldwide Locations	Unspecified Minor Construction	0	25,000
NAVY	Unspecified Worldwide Locations	Unspecified Minor Construction	28,579	28,579
NAVY	Unspecified Worldwide Locations	Planning and Design	185,542	185,542
SUBTOTAL NAVY			**2,543,189**	**2,572,752**
AIR FORCE				
	Alaska			
AIR FORCE	Eielson AFB	F–35A School AGE Facility	22,500	22,500
AIR FORCE	Eielson AFB	F–35A CATM Range	19,000	19,000
AIR FORCE	Eielson AFB	F–35 Aircraft Maintenance Unit Admin Facility	6,800	6,800
AIR FORCE	Eielson AFB	F–35 Conventional Munitions Maintenance Fac	15,500	15,500
	Arizona			
AIR FORCE	Davis-Monthan AFB	AGE Facility	0	15,000
AIR FORCE	Luke AFB	F–35A Squad Ops #6	17,000	17,000
AIR FORCE	Luke AFB	F–35A ADAL AMU B914 Sq 6	23,000	23,000
	Florida			
AIR FORCE	Eglin AFB	F–35A Student Dormitory II	28,000	28,000
AIR FORCE	Eglin AFB	F–35A Integrated Trng Center Academics Bldg	34,863	34,863
AIR FORCE	MacDill AFB	KC135 Beddown Add Flight Simulator Training	3,100	3,100
	Guam			
AIR FORCE	Joint Region Marianas	Hayman Munitions Storage Igloos MSA 2	9,800	9,800
	Mariana Islands			
AIR FORCE	Tinian	APR—Cargo Pad With Taxiway Extension	46,000	46,000
AIR FORCE	Tinian	APR—Maintenance Support Facility	4,700	4,700
	Maryland			
AIR FORCE	Joint Base Andrews	Child Development Center	0	13,000
AIR FORCE	Joint Base Andrews	PAR Relocate Haz Cargo Pad and EOD Range	37,000	37,000
AIR FORCE	Joint Base Andrews	Presidential Aircraft Recap Complex, Inc. 2	154,000	121,250
	Massachusetts			
AIR FORCE	Hanscom AFB	MIT-Lincoln Laboratory (West Lab CSL/MIF)	225,000	175,000
	Nebraska			
AIR FORCE	Offutt AFB	Parking Lot, USSTRATCOM	9,500	9,500
	Nevada			
AIR FORCE	Creech AFB	MQ–9 CPIP Operations & Command Center Fac.	28,000	28,000
AIR FORCE	Creech AFB	MQ–9 CPIP GCS Operations Facility	31,000	31,000
AIR FORCE	Nellis AFB	CRH Simulator	5,900	5,900
	New Mexico			
AIR FORCE	Holloman AFB	MQ–9 FTU Ops Facility	85,000	85,000
AIR FORCE	Kirtland AFB	Wyoming Gate Upgrade for Anti-Terrorism Compliance.	0	7,000
	New York			
AIR FORCE	Rome Lab	Anti-Terrorism Perimeter Security / Entry Control Point.	0	14,200
	North Dakota			
AIR FORCE	Minot AFB	Consolidated Helo/TRF Ops/AMU and Alert Fac	66,000	66,000
	Ohio			
AIR FORCE	Wright-Patterson AFB	ADAL Intelligence Production Complex (NASIC)	116,100	116,100
	Oklahoma			
AIR FORCE	Altus AFB	KC–46A FTU/FTC Simulator Facility PH 3	12,000	12,000
AIR FORCE	Tinker AFB	KC–46A Depot Maintenance Hangar	81,000	81,000
AIR FORCE	Tinker AFB	KC–46A Depot Fuel Maintenance Hangar	85,000	85,000
	Qatar			
AIR FORCE	Al Udeid	Personnel Deployment Processing Facility	40,000	40,000
AIR FORCE	Al Udeid	Flightline Support Facilities	30,400	30,400
	South Carolina			
AIR FORCE	Shaw AFB	CPIP MQ–9 MCE Group	53,000	53,000
	Texas			
AIR FORCE	Joint Base San Antonio-Lackland	BMT Recruit Dormitory 6	25,000	25,000
	United Kingdom			
AIR FORCE	Royal Air Force Lakenheath	F–35A Fuel System Maintenance Dock 2 Bay	16,880	16,880
AIR FORCE	Royal Air Force Lakenheath	F–35A Parking Apron	27,431	27,431
AIR FORCE	Royal Air Force Lakenheath	F–35A AGE Facility	12,449	12,449
AIR FORCE	Royal Air Force Lakenheath	F–35A ADAL Parts Store	13,926	13,926
AIR FORCE	Royal Air Force Lakenheath	F–35A 6 Bay Hangar	39,036	39,036

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Senate Authorized
AIR FORCE	Royal Air Force Lakenheath	F–35A Dorm	29,541	29,541
AIR FORCE	Royal Air Force Lakenheath	F–35A ADAL Conventional Munitions MX	9,204	9,204
	Utah			
AIR FORCE	Hill AFB	Composite Aircraft Antenna Calibration Fac	0	26,000
	Washington			
AIR FORCE	White Bluff	ADAL JPRA C2 Mission Support Facility	0	14,000
	Worldwide Classified			
AIR FORCE	Classified Location	TACMOR—Utilities and Infrastructure Support	18,000	18,000
	Worldwide Unspecified			
AIR FORCE	Various Worldwide Locations	Planning and Design	0	20,000
AIR FORCE	Various Worldwide Locations	Planning and Design	195,577	195,577
AIR FORCE	Various Worldwide Locations	Planning and Design	11,000	11,000
AIR FORCE	Various Worldwide Locations	Unspecified Minor Military Construction	38,500	38,500
SUBTOTAL AIR FORCE			**1,725,707**	**1,752,157**
DEFENSE-WIDE				
	Alabama			
DEFENSE-WIDE	Anniston Army Depot	Install microgrid	0	20,000
	Alaska			
DEFENSE-WIDE	Clear AFS	Long Range Discrim Radar Sys Complex Ph2	174,000	130,000
DEFENSE-WIDE	Fort Greely	Missile Field #1 Expansion	8,000	8,000
DEFENSE-WIDE	Joint Base Elmendorf-Richardson	Operations Facility Replacement	14,000	14,000
	Arkansas			
DEFENSE-WIDE	Little Rock AFB	Hydrant Fuel System Alterations	14,000	14,000
	Belgium			
DEFENSE-WIDE	U.S. Army Garrison Benelux (Chievres)	Europe West District Superintendent's Office	14,305	14,305
	California			
DEFENSE-WIDE	Camp Pendleton	SOF EOD Facility—West	3,547	3,547
DEFENSE-WIDE	Camp Pendleton	SOF Human Performance Training Center-West	9,049	9,049
DEFENSE-WIDE	Coronado	SOF NSWG–1 Operations Support Facility	25,172	25,172
DEFENSE-WIDE	Coronado	SOF Close Quarters Combat Facility	12,768	12,768
DEFENSE-WIDE	Coronado	SOF ATC Applied Instruction Facility	14,819	14,819
DEFENSE-WIDE	Coronado	SOF ATC Training Facility	18,329	18,329
DEFENSE-WIDE	Defense Distribution Depot-Tracy	Main Access Control Point Upgrades	18,800	18,800
DEFENSE-WIDE	NB Ventura County	SNI Energy Storage System	0	6,530
	Colorado			
DEFENSE-WIDE	Fort Carson	SOF Human Performance Training Center	15,297	15,297
DEFENSE-WIDE	Fort Carson	SOF Mountaineering Facility	9,000	9,000
	Conus Classified			
DEFENSE-WIDE	Classified Location	Battalion Complex, PH2	49,222	49,222
	Djibouti			
DEFENSE-WIDE	Camp Lemonnier	ECIP-Install PV Ground Array	0	3,750
	Germany			
DEFENSE-WIDE	Baumholder	SOF Joint Parachute Rigging Facility	11,504	11,504
DEFENSE-WIDE	Kaiserslautern AB	Kaiserslautern Middle School	99,955	99,955
DEFENSE-WIDE	Rhine Ordnance Barracks	Medical Center Replacement Inc. 8	319,589	319,589
DEFENSE-WIDE	Weisbaden	Clay Kaserne Elementary School	56,048	56,048
	Greece			
DEFENSE-WIDE	NSA Souda Bay	Energy Management Control Systems (EMCS)	0	2,230
	Guam			
DEFENSE-WIDE	Naval Base Guam	P–691 NBG 74 Facilities Automated Controls	0	4,634
	Guantanamo Bay, Cuba			
DEFENSE-WIDE	Guantanamo Bay	Working Dog Treatment Facility Replacement	9,080	9,080
	Hawaii			
DEFENSE-WIDE	Bellows AFB	Expand PV and provide energy resilience to fire crash rescue.	0	2,944
	Japan			
DEFENSE-WIDE	Camp McTureous	Bechtel Elementary School	94,851	94,851
DEFENSE-WIDE	Iwakuni	Fuel Pier	33,200	33,200
DEFENSE-WIDE	Kadena AB	Truck Unload Facilities	21,400	21,400
DEFENSE-WIDE	Yokosuka	Kinnick High School	170,386	40,000
	Kansas			
DEFENSE-WIDE	Salina Training Center	PV/Water Conservation & Energy Resilience	0	3,500
	Kentucky			
DEFENSE-WIDE	Fort Campbell	Ft Campbell Middle School	62,634	62,634
DEFENSE-WIDE	Fort Campbell	SOF Logistics Support Operations Facility	5,435	5,435
DEFENSE-WIDE	Fort Campbell	SOF Air/Ground Integ. Urban Live Fire Range	9,091	9,091

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Senate Authorized
DEFENSE-WIDE	Fort Campbell	SOF Multi-Use Helicopter Training Facility	5,138	5,138
	Louisiana			
DEFENSE-WIDE	JRB NAS New Orleans	Distribution Switchgear	0	5,340
	Maine			
DEFENSE-WIDE	Kittery	Consolidated Warehouse Replacement	11,600	11,600
	Maryland			
DEFENSE-WIDE	Fort Meade	NSAW Recapitalize Building #2 Inc 4	218,000	191,600
DEFENSE-WIDE	Fort Meade	NSAW Recapitalize Building #3 Inc 1	99,000	99,000
DEFENSE-WIDE	Fort Meade	Mission Support Operations Warehouse Facility	30,000	30,000
	Missouri			
DEFENSE-WIDE	St Louis	Next NGA West (N2W) Complex Phase 1 Inc. 2	213,600	50,000
DEFENSE-WIDE	St Louis	Next NGA West (N2W) Complex Phase 2 Inc. 1	110,000	110,000
	New Jersey			
DEFENSE-WIDE	Joint Base McGuire-Dix-Lakehurst	Hot Cargo Hydrant System Replacement	10,200	10,200
	North Carolina			
DEFENSE-WIDE	Fort Bragg	SOF Replace Training Maze and Tower	12,109	12,109
DEFENSE-WIDE	Fort Bragg	SOF SERE Resistance Training Lab. Complex	20,257	20,257
DEFENSE-WIDE	New River	Amb Care Center/Dental Clinic Replacement	32,580	32,580
	Oklahoma			
DEFENSE-WIDE	McAlester	Bulk Diesel System Replacement	7,000	7,000
	South Carolina			
DEFENSE-WIDE	MCAS Beaufort	Electrical Hardening and Black Start CHP System.	0	22,402
	Texas			
DEFENSE-WIDE	Camp Mabry	Install microgrid	0	5,500
DEFENSE-WIDE	Joint Base San Antonio-Lackland	Energy Aerospace Operations Facility	10,200	10,200
DEFENSE-WIDE	Red River Army Depot	General Purpose Warehouse	71,500	71,500
	United Kingdom			
DEFENSE-WIDE	Croughton RAF	Ambulatory Care Center Addition/Alteration	10,000	0
	Virginia			
DEFENSE-WIDE	Dam Neck	SOF Magazines	8,959	8,959
DEFENSE-WIDE	Fort A.P. Hill	Training Campus	11,734	11,734
DEFENSE-WIDE	Fort Belvoir	Human Performance Training Center	6,127	6,127
DEFENSE-WIDE	Humphreys Engineer Center	Maintenance and Supply Facility	20,257	20,257
DEFENSE-WIDE	Joint Base Langley-Eustis	Fuel Facilities Replacement	6,900	6,900
DEFENSE-WIDE	Joint Base Langley-Eustis	Ground Vehicle Fueling Facility Replacement	5,800	5,800
DEFENSE-WIDE	NAS Oceana	Super Flight Line Electrical Distribtion System (FLEDS).	0	2,520
DEFENSE-WIDE	Pentagon	North Village VACP & Fencing	12,200	12,200
DEFENSE-WIDE	Pentagon	Exterior Infrastruc. & Security Improvements	23,650	23,650
	Washington			
DEFENSE-WIDE	Joint Base Lewis-McChord	Refueling Facility	26,200	26,200
	Worldwide Unspecified			
DEFENSE-WIDE	Unspecified Worldwide Locations	Planning and Design—ERCIP	0	5,000
DEFENSE-WIDE	Unspecified Worldwide Locations	Planning and Design	55,925	55,925
DEFENSE-WIDE	Unspecified Worldwide Locations	Planning and Design	496	496
DEFENSE-WIDE	Unspecified Worldwide Locations	Unspecified Minor Construction	10,000	10,000
DEFENSE-WIDE	Unspecified Worldwide Locations	Planning and Design	14,184	14,184
DEFENSE-WIDE	Unspecified Worldwide Locations	Unspecified Minor Construction	13,642	13,642
DEFENSE-WIDE	Unspecified Worldwide Locations	Unspecified Minor Construction	5,000	5,000
DEFENSE-WIDE	Unspecified Worldwide Locations	Energy Resilience and Conserv. Invest. Prog.	150,000	150,000
DEFENSE-WIDE	Unspecified Worldwide Locations	Contingency Construction	10,000	10,000
DEFENSE-WIDE	Unspecified Worldwide Locations	Unspecified Minor Construction	3,000	3,000
DEFENSE-WIDE	Unspecified Worldwide Locations	Planning and Design	14,300	14,300
DEFENSE-WIDE	Unspecified Worldwide Locations	ERCIP Design	10,000	10,000
DEFENSE-WIDE	Unspecified Worldwide Locations	Exercise Related Minor Construction	12,479	12,479
DEFENSE-WIDE	Unspecified Worldwide Locations	Planning and Design	2,036	2,036
DEFENSE-WIDE	Various Worldwide Locations	Planning & Design	42,705	42,705

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Senate Authorized
DEFENSE-WIDE	Various Worldwide Locations	Unspecified Minor Construction	17,366	17,366
DEFENSE-WIDE	Various Worldwide Locations	Planning and Design	55,699	55,699
SUBTOTAL DEFENSE-WIDE			**2,693,324**	**2,403,288**
ARMY NATIONAL GUARD				
	Alaska			
ARMY NATIONAL GUARD	Joint Base Elmendorf-Richardson	United States Property & Fiscal Office	27,000	27,000
	Illinois			
ARMY NATIONAL GUARD	Marseilles	Automated Record Fire Range	5,000	5,000
	Montana			
ARMY NATIONAL GUARD	Malta	National Guard Readiness Center	15,000	15,000
	Nevada			
ARMY NATIONAL GUARD	North Las Vegas	National Guard Readiness Center	32,000	32,000
	New Hampshire			
ARMY NATIONAL GUARD	Pembroke	National Guard Readiness Center	12,000	12,000
	North Dakota			
ARMY NATIONAL GUARD	Fargo	National Guard Readiness Center	32,000	32,000
	Ohio			
ARMY NATIONAL GUARD	Camp Ravenna	Automated Multipurpose Machine Gun Range	7,400	7,400
	Oklahoma			
ARMY NATIONAL GUARD	Lexington	Aircraft vehicle storage building	0	11,000
	Oregon			
ARMY NATIONAL GUARD	Boardman	Tactical unmanned aerial vehicle hangar	0	11,000
	South Dakota			
ARMY NATIONAL GUARD	Rapid City	National Guard Readiness Center	15,000	15,000
	Texas			
ARMY NATIONAL GUARD	Houston	Unheated vehicle storage (aircraft)	0	15,000
	Virginia			
ARMY NATIONAL GUARD	Sandston	Army aviation support facility	0	89,000
	Worldwide Unspecified			
ARMY NATIONAL GUARD	Unspecified Worldwide Locations	Unspecified Minor Construction	18,100	18,100
ARMY NATIONAL GUARD	Unspecified Worldwide Locations	Planning and Design	16,622	16,622
SUBTOTAL ARMY NATIONAL GUARD			**180,122**	**306,122**
AIR NATIONAL GUARD				
	California			
AIR NATIONAL GUARD	Channel Islands Angs	Construct C–130J Flight Simulator Facility	8,000	8,000
	Hawaii			
AIR NATIONAL GUARD	Joint Base Pearl Harbor-Hickam	Construct Addition to F–22 LO/CRF B3408	17,000	17,000
	Illinois			
AIR NATIONAL GUARD	Gen. Wayne A. Downing Peoria International Airport	Construct New Fire Crash/Rescue Station	9,000	9,000
	Louisiana			
AIR NATIONAL GUARD	JRB NAS New Orleans	NORTHCOM—Construct Alert Apron	15,000	15,000
	New York			
AIR NATIONAL GUARD	Francis S. Gabreski Airport	Security Forces/Comm.training Facility	20,000	20,000
	Pennsylvania			
AIR NATIONAL GUARD	Fort Indiantown Gap	Replace Operations Training/Dining Hall	8,000	8,000
	Puerto Rico			
AIR NATIONAL GUARD	Luis Munoz Marin International	Hurricane Maria—Communications Facility	0	15,000
AIR NATIONAL GUARD	Luis Munoz Marin International Airport	Hurricane Maria—Maintenance Hangar	0	35,000
	Virginia			

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Senate Authorized
AIR NATIONAL GUARD	Joint Base Langley-Eustis	Construct Cyber Ops Facility	10,000	10,000
	Worldwide Unspecified			
AIR NATIONAL GUARD	Unspecified Worldwide Locations	Planning and Design	0	4,000
AIR NATIONAL GUARD	Unspecified Worldwide Locations	Unspecified Minor Construction	23,626	23,626
AIR NATIONAL GUARD	Various Worldwide Locations	Planning and Design	18,500	18,500
SUBTOTAL AIR NATIONAL GUARD			**129,126**	**183,126**
ARMY RESERVE				
	California			
ARMY RESERVE	Barstow	ECS Modified TEMF / Warehouse	34,000	34,000
	Wisconsin			
ARMY RESERVE	Fort McCoy	Transient Training Barracks	23,000	23,000
	Worldwide Unspecified			
ARMY RESERVE	Unspecified Worldwide Locations	Unspecified Minor Construction	2,064	2,064
ARMY RESERVE	Unspecified Worldwide Locations	Planning and Design	5,855	5,855
SUBTOTAL ARMY RESERVE			**64,919**	**64,919**
NAVY RESERVE				
	California			
NAVY RESERVE	Seal Beach	Reserve Training Center	21,740	21,740
	Georgia			
NAVY RESERVE	Benning	Reserve Training Center	13,630	13,630
	Worldwide Unspecified			
NAVY RESERVE	Unspecified Worldwide Locations	Unspecified Minor Construction	3,000	3,000
NAVY RESERVE	Unspecified Worldwide Locations	Planning & Design	4,695	4,695
SUBTOTAL NAVY RESERVE			**43,065**	**43,065**
AIR FORCE RESERVE				
	Indiana			
AIR FORCE RESERVE	Grissom ARB	Aerial Port Facility	0	9,400
AIR FORCE RESERVE	Grissom ARB	Add/Alter Aircraft Maintenance Hangar	12,100	12,100
	Minnesota			
AIR FORCE RESERVE	Minneapolis-St Paul IAP	Small Arms Range	9,000	9,000
	Mississippi			
AIR FORCE RESERVE	Keesler AFB	Aeromedical Staging Squadron Facility	4,550	4,550
	New York			
AIR FORCE RESERVE	Niagara Falls IAP	Physical Fitness Center	14,000	14,000
	Texas			
AIR FORCE RESERVE	Fort Worth	Munitions Training/Admin Facility	3,100	3,100
	Worldwide Unspecified			
AIR FORCE RESERVE	Unspecified Worldwide Locations	Planning and Design	0	5,000
AIR FORCE RESERVE	Unspecified Worldwide Locations	Planning & Design	4,055	4,055
AIR FORCE RESERVE	Unspecified Worldwide Locations	Unspecified Minor Construction	3,358	3,358
SUBTOTAL AIR FORCE RESERVE			**50,163**	**64,563**
NATO SECURITY INVESTMENT PROGRAM				
	Worldwide Unspecified			
NATO SECURITY INVESTMENT PROGRAM	NATO Security Investment Program	NATO Security Investment Program	171,064	171,064
SUBTOTAL NATO SECURITY INVESTMENT PROGRAM			**171,064**	**171,064**
TOTAL MILITARY CONSTRUCTION			**8,612,447**	**8,680,424**

FAMILY HOUSING
CONSTRUCTION, ARMY

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Senate Authorized
	Germany			
CONSTRUCTION, ARMY	*Baumholder*	*Family Housing Improvements*	*32,000*	*32,000*
	Italy			
CONSTRUCTION, ARMY	*Vicenza*	*Family Housing New Construction*	*95,134*	*95,134*
	Korea			
CONSTRUCTION, ARMY	*Camp Humphreys*	*Family Housing New Construction Incr 3*	*85,000*	*85,000*
CONSTRUCTION, ARMY	*Camp Walker*	*Family Housing Replacement Construction*	*68,000*	*68,000*
	Puerto Rico			
CONSTRUCTION, ARMY	*Fort Buchanan*	*Family Housing Replacement Construction*	*26,000*	*26,000*
	Wisconsin			
CONSTRUCTION, ARMY	*Fort McCoy*	*Family Housing New Construction*	*6,200*	*6,200*
	Worldwide Unspecified			
CONSTRUCTION, ARMY	*Unspecified Worldwide Locations*	*Family Housing P & D*	*18,326*	*18,326*
SUBTOTAL CONSTRUCTION, ARMY			***330,660***	***330,660***
OPERATION AND MAINTENANCE, ARMY				
	Worldwide Unspecified			
OPERATION AND MAINTENANCE, ARMY	*Unspecified Worldwide Locations*	*Management*	*36,302*	*36,302*
OPERATION AND MAINTENANCE, ARMY	*Unspecified Worldwide Locations*	*Services*	*10,502*	*10,502*
OPERATION AND MAINTENANCE, ARMY	*Unspecified Worldwide Locations*	*Furnishings*	*15,842*	*15,842*
OPERATION AND MAINTENANCE, ARMY	*Unspecified Worldwide Locations*	*Miscellaneous*	*408*	*408*
OPERATION AND MAINTENANCE, ARMY	*Unspecified Worldwide Locations*	*Maintenance*	*75,530*	*75,530*
OPERATION AND MAINTENANCE, ARMY	*Unspecified Worldwide Locations*	*Utilities*	*57,872*	*57,872*
OPERATION AND MAINTENANCE, ARMY	*Unspecified Worldwide Locations*	*Leasing*	*161,252*	*161,252*
OPERATION AND MAINTENANCE, ARMY	*Unspecified Worldwide Locations*	*Housing Privitization Support*	*18,801*	*18,801*
SUBTOTAL OPERATION AND MAINTENANCE, ARMY			***376,509***	***376,509***
CONSTRUCTION, NAVY AND MARINE CORPS				
	Mariana Islands			
CONSTRUCTION, NAVY AND MARINE CORPS	*Guam*	*Replace Andersen Housing PH III*	*83,441*	*83,441*
	Worldwide Unspecified			
CONSTRUCTION, NAVY AND MARINE CORPS	*Unspecified Worldwide Locations*	*Improvements, Washington DC*	*16,638*	*16,638*
CONSTRUCTION, NAVY AND MARINE CORPS	*Unspecified Worldwide Locations*	*P&D Washington DC*	*4,502*	*4,502*
SUBTOTAL CONSTRUCTION, NAVY AND MARINE CORPS			***104,581***	***104,581***
OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS				
	Worldwide Unspecified			
OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS	*Unspecified Worldwide Locations*	*Utilities*	*60,252*	*60,252*
OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS	*Unspecified Worldwide Locations*	*Furnishings*	*16,395*	*16,395*

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Senate Authorized
OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS	Unspecified Worldwide Locations	Management	50,870	50,870
OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS	Unspecified Worldwide Locations	Miscellaneous	148	148
OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS	Unspecified Worldwide Locations	Services	16,261	16,261
OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS	Unspecified Worldwide Locations	Leasing	62,515	62,515
OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS	Unspecified Worldwide Locations	Maintenance	86,328	86,328
OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS	Unspecified Worldwide Locations	Housing Privatization Support	21,767	21,767
SUBTOTAL OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS.			**314,536**	**314,536**
CONSTRUCTION, AIR FORCE				
	Worldwide Unspecified			
CONSTRUCTION, AIR FORCE	Unspecified Worldwide Locations	Construction Improvements	75,247	75,247
CONSTRUCTION, AIR FORCE	Unspecified Worldwide Locations	Planning & Design	3,199	3,199
SUBTOTAL CONSTRUCTION, AIR FORCE			**78,446**	**78,446**
OPERATION AND MAINTENANCE, AIR FORCE				
	Worldwide Unspecified			
OPERATION AND MAINTENANCE, AIR FORCE	Unspecified Worldwide Locations	Housing Privatization	22,205	22,205
OPERATION AND MAINTENANCE, AIR FORCE	Unspecified Worldwide Locations	Utilities	48,566	48,566
OPERATION AND MAINTENANCE, AIR FORCE	Unspecified Worldwide Locations	Management	54,423	54,423
OPERATION AND MAINTENANCE, AIR FORCE	Unspecified Worldwide Locations	Services	13,669	13,669
OPERATION AND MAINTENANCE, AIR FORCE	Unspecified Worldwide Locations	Furnishings	30,645	30,645
OPERATION AND MAINTENANCE, AIR FORCE	Unspecified Worldwide Locations	Miscellaneous	2,171	2,171
OPERATION AND MAINTENANCE, AIR FORCE	Unspecified Worldwide Locations	Leasing	15,832	15,832
OPERATION AND MAINTENANCE, AIR FORCE	Unspecified Worldwide Locations	Maintenance	129,763	129,763
SUBTOTAL OPERATION AND MAINTENANCE, AIR FORCE			**317,274**	**317,274**
OPERATION AND MAINTENANCE, DEFENSE-WIDE				
	Worldwide Unspecified			
OPERATION AND MAINTENANCE, DEFENSE-WIDE	Unspecified Worldwide Locations	Utilities	4,100	4,100
OPERATION AND MAINTENANCE, DEFENSE-WIDE	Unspecified Worldwide Locations	Furnishings	416	416
OPERATION AND MAINTENANCE, DEFENSE-WIDE	Unspecified Worldwide Locations	Utilities	106	106

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Senate Authorized
OPERATION AND MAINTENANCE, DEFENSE-WIDE	Unspecified Worldwide Locations	Leasing	13,046	13,046
OPERATION AND MAINTENANCE, DEFENSE-WIDE	Unspecified Worldwide Locations	Maintenance	121	121
OPERATION AND MAINTENANCE, DEFENSE-WIDE	Unspecified Worldwide Locations	Furnishings	643	643
OPERATION AND MAINTENANCE, DEFENSE-WIDE	Unspecified Worldwide Locations	Leasing	38,232	38,232
OPERATION AND MAINTENANCE, DEFENSE-WIDE	Unspecified Worldwide Locations	Furnishings	01	01
OPERATION AND MAINTENANCE, DEFENSE-WIDE	Unspecified Worldwide Locations	Services	02	02
OPERATION AND MAINTENANCE, DEFENSE-WIDE	Unspecified Worldwide Locations	Utilities	09	09
OPERATION AND MAINTENANCE, DEFENSE-WIDE	Unspecified Worldwide Locations	Maintenance	1,542	1,542
OPERATION AND MAINTENANCE, DEFENSE-WIDE	Unspecified Worldwide Locations	Management	155	155
SUBTOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE			**58,373**	**58,373**
IMPROVEMENT FUND				
IMPROVEMENT FUND	Worldwide Unspecified Unspecified Worldwide Locations	Administrative Expenses—FHIF	1,653	1,653
SUBTOTAL IMPROVEMENT FUND			**1,653**	**1,653**
UNACCMP HSG IMPRV FUND				
UNACCMP HSG IMPRV FUND	Worldwide Unspecified Unaccompanied Housing Improvement Fund	Administrative Expenses—UHIF	600	600
SUBTOTAL UNACCMP HSG IMPRV FUND			**600**	**600**
TOTAL FAMILY HOUSING			**1,582,632**	**1,582,632**
DEFENSE BASE REALIGNMENT AND CLOSURE				
ARMY				
ARMY	Worldwide Unspecified Base Realignment & Closure, Army	Base Realignment and Closure	62,796	62,796
NAVY				
NAVY	Worldwide Unspecified Unspecified Worldwide Locations	Base Realignment & Closure	151,839	151,839
AIR FORCE				
AIR FORCE	Worldwide Unspecified Unspecified Worldwide Locations	DoD BRAC Activities—Air Force	52,903	52,903
TOTAL DEFENSE BASE REALIGNMENT AND CLOSURE			**267,538**	**267,538**
TOTAL MILITARY CONSTRUCTION, FAMILY HOUSING, AND BRAC			**10,462,617**	**10,530,594**

1 **SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CON-**

2 **TINGENCY OPERATIONS.**

SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Account	State or Country and Installation	Project Title	FY 2019 Request	Senate Authorized
MILITARY CONSTRUCTION				
ARMY				
	Bulgaria			
ARMY	Nevo Selo FOS	EDI: Ammunition Holding Area	5,200	5,200
	Guantanamo Bay, Cuba			
ARMY	Guantanamo Bay	OCO: High Value Detention Facility	69,000	0
	Poland			
ARMY	Drawsko Pomorski Training Area	EDI: Staging Areas	17,000	17,000
ARMY	Powidz AB	EDI: Rail Extension & Railhead	14,000	14,000
ARMY	Powidz AB	EDI: Ammunition Storage Facility	52,000	52,000
ARMY	Powidz AB	EDI: Bulk Fuel Storage	21,000	21,000
ARMY	Zagan Training Area	EDI: Rail Extension and Railhead	6,400	6,400
ARMY	Zagan Training Area	EDI: Staging Areas	34,000	34,000
	Romania			
ARMY	Mihail Kogalniceanu FOS	EDI: Explosives & Ammo Load/Unload Apron	21,651	21,651
	Worldwide Unspecified			
ARMY	Unspecified Worldwide Locations	EDI: Planning and Design	20,999	20,999
SUBTOTAL ARMY			**261,250**	**192,250**
NAVY				
	Greece			
NAVY	Souda Bay	EDI: Marathi Logistics Support Center	6,200	6,200
NAVY	Souda Bay	EDI: Joint Mobility Processing Center	41,650	41,650
	Italy			
NAVY	Sigonella	EDI: P–8A Taxiway	66,050	66,050
	Spain			
NAVY	Rota	EDI: Port Operations Facilities	21,590	21,590
	United Kingdom			
NAVY	Lossiemouth	EDI: P–8 Base Improvements	79,130	79,130
	Worldwide Unspecified			
NAVY	Unspecified Worldwide Locations	EDI: Planning and Design	12,700	12,700
SUBTOTAL NAVY			**227,320**	**227,320**
AIR FORCE				
	Germany			
AIR FORCE	Ramstein AB	EDI—KMC DABS-FEV/RH Storage Warehouses	119,000	119,000
	Norway			
AIR FORCE	Rygge AS	EDI—Construct Taxiway	13,800	13,800
	Slovakia			
AIR FORCE	Malacky AB	EDI—Regional Munitions Storage Area	59,000	59,000
	United Kingdom			
AIR FORCE	RAF Fairford	EDI—Construct DABS-FEV Storage	87,000	87,000
AIR FORCE	RAF Fairford	EDI—Munitions Holding Area	19,000	19,000
	Worldwide Unspecified			
AIR FORCE	Unspecified Worldwide Locations	EDI—Planning & Design Funds	48,000	48,000
SUBTOTAL AIR FORCE			**345,800**	**345,800**
DEFENSE-WIDE				
	Estonia			
DEFENSE-WIDE	Unspecified Estonia	EDI: SOF Training Facility	9,600	9,600
DEFENSE-WIDE	Unspecified Estonia	EDI: SOF Operations Facility	6,100	6,100
	Qatar			
DEFENSE-WIDE	Al Udeid	OCO: Trans-Regional Logistics Complex	60,000	60,000
	Worldwide Unspecified			
DEFENSE-WIDE	Unspecified Worldwide Locations	EDI: Planning and Design	7,100	7,100
DEFENSE-WIDE	Various Worldwide Locations	EDI: Planning and Design	4,250	4,250
SUBTOTAL DEFENSE-WIDE			**87,050**	**87,050**
TOTAL MILITARY CONSTRUCTION			**921,420**	**852,420**
TOTAL MILITARY CONSTRUCTION, FAMILY HOUSING, AND BRAC			**921,420**	**852,420**

TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS.

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	Senate Authorized
Discretionary Summary By Appropriation		
Energy And Water Development, And Related Agencies		
Appropriation Summary:		
Energy Programs		
Nuclear Energy	136,090	136,090
Atomic Energy Defense Activities		
National nuclear security administration:		
Weapons activities	11,017,078	11,017,078
Defense nuclear nonproliferation	1,862,825	1,862,825
Naval reactors	1,788,618	1,788,618
Federal salaries and expenses	422,529	422,529
Total, National nuclear security administration	**15,091,050**	**15,091,050**
Environmental and other defense activities:		
Defense environmental cleanup	5,630,217	5,630,217
Other defense activities	853,300	853,300
Defense nuclear waste disposal	30,000	0
Total, Environmental & other defense activities	**6,513,517**	**6,483,517**
Total, Atomic Energy Defense Activities	**21,604,567**	**21,574,567**
Total, Discretionary Funding	**21,740,657**	**21,710,657**
Nuclear Energy		
Idaho sitewide safeguards and security	136,090	136,090
Total, Nuclear Energy	**136,090**	**136,090**
Weapons Activities		
Directed stockpile work		
Life extension programs and major alterations		
B61 Life extension program	794,049	794,049
W76 Life extension program	113,888	0
Split into W76–1 and W76–2 lines		[–113,888]
W76–1 Life extension program	0	48,888
Complete W76–1 life extension		[48,888]
W76–2 Warhead modification program	0	65,000
NPR Implementation		[65,000]
W88 Alt 370	304,285	304,285
W80–4 Life extension program	654,766	654,766
IW–1	53,000	53,000
Total, Life extension programs and major alterations	**1,919,988**	**1,919,988**
Stockpile systems		
B61 Stockpile systems	64,547	64,547
W76 Stockpile systems	94,300	94,300
W78 Stockpile systems	81,329	81,329
W80 Stockpile systems	80,204	80,204
B83 Stockpile systems	35,082	35,082
W87 Stockpile systems	83,107	83,107
W88 Stockpile systems	180,913	180,913
Total, Stockpile systems	**619,482**	**619,482**
Weapons dismantlement and disposition		
Operations and maintenance	56,000	56,000
Stockpile services		

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	Senate Authorized
Production support	*512,916*	*512,916*
Research and development support	*38,129*	*38,129*
R&D certification and safety	*216,582*	*216,582*
Management, technology, and production	*300,736*	*300,736*
Total, Stockpile services	***1,068,363***	***1,068,363***
Strategic materials		
Uranium sustainment	*87,182*	*87,182*
Plutonium sustainment	*361,282*	*361,282*
Tritium sustainment	*205,275*	*205,275*
Lithium sustainment	*29,135*	*29,135*
Domestic uranium enrichment	*100,704*	*100,704*
Strategic materials sustainment	*218,794*	*218,794*
Total, Strategic materials	***1,002,372***	***1,002,372***
Total, Directed stockpile work	***4,666,205***	***4,666,205***
Research, development, test and evaluation (RDT&E)		
Science		
Advanced certification	*57,710*	*57,710*
Primary assessment technologies	*95,057*	*95,057*
Dynamic materials properties	*131,000*	*131,000*
Advanced radiography	*32,544*	*32,544*
Secondary assessment technologies	*77,553*	*77,553*
Academic alliances and partnerships	*53,364*	*53,364*
Enhanced Capabilities for Subcritical Experiments	*117,632*	*117,632*
Total, Science	***564,860***	***564,860***
Engineering		
Enhanced surety	*43,226*	*43,226*
Weapon systems engineering assessment technology	*27,536*	*27,536*
Nuclear survivability	*48,230*	*48,230*
Enhanced surveillance	*58,375*	*58,375*
Stockpile Responsiveness	*34,000*	*34,000*
Total, Engineering	***211,367***	***211,367***
Inertial confinement fusion ignition and high yield		
Ignition	*22,434*	*22,434*
Support of other stockpile programs	*17,397*	*17,397*
Diagnostics, cryogenics and experimental support	*51,453*	*51,453*
Pulsed power inertial confinement fusion	*8,310*	*8,310*
Facility operations and target production	*319,333*	*319,333*
Total, Inertial confinement fusion and high yield	***418,927***	***418,927***
Advanced simulation and computing		
Advanced simulation and computing	*656,401*	*656,401*
Construction:		
18–D–670, Exascale Class Computer Cooling Equipment, LANL	*24,000*	*24,000*
18–D–620, Exascale Computing Facility Modernization Project, LLNL	*23,000*	*23,000*
Total, Construction	***47,000***	***47,000***
Total, Advanced simulation and computing	***703,401***	***703,401***
Advanced manufacturing		
Additive manufacturing	*17,447*	*17,447*
Component manufacturing development	*48,477*	*48,477*
Process technology development	*30,914*	*30,914*
Total, Advanced manufacturing	***96,838***	***96,838***
Total, RDT&E	***1,995,393***	***1,995,393***
Infrastructure and operations		
Operations of facilities	*891,000*	*891,000*
Safety and environmental operations	*115,000*	*115,000*
Maintenance and repair of facilities	*365,000*	*365,000*
Recapitalization:		
Infrastructure and safety	*431,631*	*431,631*
Capability based investments	*109,057*	*109,057*
Total, Recapitalization	***540,688***	***540,688***
Program increase to address high-priority deferred maintenance		

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	Senate Authorized
Construction:		
19–D–670, 138kV Power Transmission System Replacement, NNSS	6,000	6,000
19–D–660, Lithium Production Capability, Y–12	19,000	19,000
18–D–650, Tritium Production Capability, SRS	27,000	27,000
17–D–640, U1a Complex Enhancements Project, NNSS	53,000	53,000
16–D–515, Albuquerque complex project	47,953	47,953
06–D–141 Uranium processing facility Y–12, Oak Ridge, TN	703,000	703,000
04–D–125 Chemistry and metallurgy research facility replacement project, LANL	235,095	235,095
Total, Construction	**1,091,048**	**1,091,048**
Total, Infrastructure and operations	**3,002,736**	**3,002,736**
Secure transportation asset		
Operations and equipment	176,617	176,617
Program direction	102,022	102,022
Total, Secure transportation asset	**278,639**	**278,639**
Defense nuclear security		
Operations and maintenance	690,638	690,638
Total, Defense nuclear security	**690,638**	**690,638**
Information technology and cybersecurity	221,175	221,175
Legacy contractor pensions	162,292	162,292
Total, Weapons Activities	**11,017,078**	**11,017,078**
Defense Nuclear Nonproliferation		
Defense Nuclear Nonproliferation Programs		
Global material security		
International nuclear security	46,339	46,339
Domestic radiological security	90,764	90,764
International radiological security	59,576	59,576
Nuclear smuggling detection and deterrence	140,429	140,429
Total, Global material security	**337,108**	**337,108**
Material management and minimization		
HEU reactor conversion	98,300	98,300
Nuclear material removal	32,925	32,925
Material disposition	200,869	200,869
Total, Material management & minimization	**332,094**	**332,094**
Nonproliferation and arms control	129,703	129,703
Defense nuclear nonproliferation R&D	456,095	456,095
Nonproliferation Construction:		
18–D–150 Surplus Plutonium Disposition Project	59,000	59,000
99–D–143 Mixed Oxide (MOX) Fuel Fabrication Facility, SRS	220,000	220,000
Total, Nonproliferation construction	**279,000**	**279,000**
Total, Defense Nuclear Nonproliferation Programs	**1,534,000**	**1,534,000**
Legacy contractor pensions	28,640	28,640
Nuclear counterterrorism and incident response program	319,185	319,185
Use of prior year balances	–19,000	–19,000
Total, Defense Nuclear Nonproliferation	**1,862,825**	**1,862,825**
Naval Reactors		
Naval reactors development	514,951	514,951
Columbia-Class reactor systems development	138,000	138,000
S8G Prototype refueling	250,000	250,000
Naval reactors operations and infrastructure	525,764	525,764
Construction:		0
19–D–930, K8 Overhead Piping	10,994	10,994
17–D–911, BL Fire System Upgrade	13,200	13,200
14–D–901 Spent fuel handling recapitalization project, NRF	287,000	287,000
Total, Construction	**311,194**	**311,194**
Program direction	48,709	48,709
Total, Naval Reactors	**1,788,618**	**1,788,618**

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	Senate Authorized
Federal Salaries And Expenses		
Program direction	*422,529*	*422,529*
Total, Office Of The Administrator	***422,529***	***422,529***
Defense Environmental Cleanup		
Closure sites:		
Closure sites administration	*4,889*	*4,889*
Richland:		
River corridor and other cleanup operations	*89,577*	*89,577*
Central plateau remediation	*562,473*	*562,473*
Richland community and regulatory support	*5,121*	*5,121*
Construction:		
18–D–404 WESF Modifications and Capsule Storage	*1,000*	*1,000*
Total, Construction	***1,000***	***1,000***
Total, Hanford site	***658,171***	***658,171***
Office of River Protection:		
Waste Treatment Immobilization Plant Commissioning	*15,000*	*15,000*
Rad liquid tank waste stabilization and disposition	*677,460*	*677,460*
Construction:		
15–D–409 Low activity waste pretreatment system, ORP	*56,053*	*56,053*
01–D–416 A-D WTP Subprojects A-D	*675,000*	*675,000*
01–D–416 E—Pretreatment Facility	*15,000*	*15,000*
Total, Construction	***746,053***	***746,053***
Total, Office of River protection	***1,438,513***	***1,438,513***
Idaho National Laboratory:		
SNF stabilization and disposition—2012	*17,000*	*17,000*
Solid waste stabilization and disposition	*148,387*	*148,387*
Radioactive liquid tank waste stabilization and disposition	*137,739*	*137,739*
Soil and water remediation—2035	*42,900*	*42,900*
Idaho community and regulatory support	*3,200*	*3,200*
Total, Idaho National Laboratory	***349,226***	***349,226***
NNSA sites and Nevada off-sites		
Lawrence Livermore National Laboratory	*1,704*	*1,704*
Nuclear facility D & D Separations Process Research Unit	*15,000*	*15,000*
Nevada	*60,136*	*60,136*
Sandia National Laboratories	*2,600*	*2,600*
Los Alamos National Laboratory	*191,629*	*191,629*
Total, NNSA sites and Nevada off-sites	***271,069***	***271,069***
Oak Ridge Reservation:		
OR Nuclear facility D & D		
OR-0041—D&D—Y–12	*30,214*	*30,214*
OR-0042—D&D—ORNL	*60,007*	*60,007*
Total, OR Nuclear facility D & D	***90,221***	***90,221***
U233 Disposition Program	*45,000*	*45,000*
OR cleanup and waste disposition		
OR cleanup and disposition	*67,000*	*67,000*
Construction:		
17–D–401 On-site waste disposal facility	*5,000*	*5,000*
14–D–403 Outfall 200 Mercury Treatment Facility	*11,274*	*11,274*
Total, Construction	***16,274***	***16,274***
Total, OR cleanup and waste disposition	***83,274***	***83,274***
OR community & regulatory support	*4,711*	*4,711*
OR technology development and deployment	*3,000*	*3,000*
Total, Oak Ridge Reservation	***226,206***	***226,206***
Savannah River Sites:		
Nuclear Material Management	*351,331*	*351,331*
Environmental Cleanup		

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	Senate Authorized
Environmental Cleanup	*166,105*	*166,105*
Construction:		
18–D–402, Emergency Operations Center	*1,259*	*1,259*
Total, Environmental Cleanup	***167,364***	***167,364***
SR community and regulatory support	*4,749*	*4,749*
Radioactive liquid tank waste stabilization and disposition	*805,686*	*805,686*
Construction:		
18–D–401, SDU #8/9	*37,450*	*37,450*
17–D–402—Saltstone Disposal Unit #7	*41,243*	*41,243*
05–D–405 Salt waste processing facility, Savannah River Site	*65,000*	*65,000*
Total, Construction	***143,693***	***143,693***
Total, Savannah River site	***1,472,823***	***1,472,823***
Waste Isolation Pilot Plant		
Operations and maintenance	*220,000*	*220,000*
Central characterization project	*19,500*	*19,500*
Critical Infrastructure Repair/Replacement	*46,695*	*46,695*
Transportation	*25,500*	*25,500*
Construction:		
15–D–411 Safety significant confinement ventilation system, WIPP	*84,212*	*84,212*
15–D–412 Exhaust shaft, WIPP	*1,000*	*1,000*
Total, Construction	***85,212***	***85,212***
Total, Waste Isolation Pilot Plant	***396,907***	***396,907***
Program direction	*300,000*	*300,000*
Program support	*6,979*	*6,979*
Minority Serving Institution Partnership	*6,000*	*6,000*
Safeguards and Security		
Oak Ridge Reservation	*14,023*	*14,023*
Paducah	*15,577*	*15,577*
Portsmouth	*15,078*	*15,078*
Richland/Hanford Site	*86,686*	*86,686*
Savannah River Site	*183,357*	*183,357*
Waste Isolation Pilot Project	*6,580*	*6,580*
West Valley	*3,133*	*3,133*
Total, Safeguards and Security	***324,434***	***324,434***
Technology development	*25,000*	*25,000*
HQEF-0040—Excess Facilities	*150,000*	*150,000*
Total, Defense Environmental Cleanup	***5,630,217***	***5,630,217***
Other Defense Activities		
Environment, health, safety and security		
Environment, health, safety and security	*135,194*	*135,194*
Program direction	*70,653*	*70,653*
Total, Environment, Health, safety and security	***205,847***	***205,847***
Independent enterprise assessments		
Independent enterprise assessments	*24,068*	*24,068*
Program direction	*52,702*	*52,702*
Total, Independent enterprise assessments	***76,770***	***76,770***
Specialized security activities	*254,378*	*254,378*
Office of Legacy Management		
Legacy management	*140,575*	*140,575*
Program direction	*18,302*	*18,302*
Total, Office of Legacy Management	***158,877***	***158,877***
Defense related administrative support		
Chief financial officer	*48,484*	*48,484*
Chief information officer	*96,793*	*96,793*
Project management oversight and Assessments	*8,412*	*8,412*
Total, Defense related administrative support	***153,689***	***153,689***
Office of hearings and appeals	*5,739*	*5,739*
Subtotal, Other defense activities	***855,300***	***855,300***
Rescission of prior year balances (OHA)	*–2,000*	*–2,000*
Total, Other Defense Activities	***853,300***	***853,300***

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	*FY 2019 Request*	*Senate Authorized*
Defense Nuclear Waste Disposal		
Yucca mountain and interim storage	*30,000*	*0*
Program cut		*[–30,000]*
Total, Defense Nuclear Waste Disposal	***30,000***	***0***

DIVISION E—ADDITIONAL PROVISIONS

TITLE LI—PROCUREMENT

SEC. 5101. BRIEFING ON PROCUREMENT PLAN FOR ACQUIRED POSITION NAVIGATION AND TIMING (APNT) SOLUTION.

Not later than September 1, 2018, the Secretary of the Army, in coordination with the Director of the Army's Acquired Position Navigation and Timing (APNT) Cross Functional Team (CFT) pilot, shall provide to the congressional defense committees a briefing that outlines potential courses of action to begin immediate procurement of APNT systems, subject to successful test and evaluation.

SEC. 5102. SENSE OF CONGRESS ON KC–46A AERIAL REFUELING TANKER EMERGENT REQUIREMENTS.

It is the sense of Congress that—

(1) the KC–46A aircraft will serve as the backbone of the Air Force's critical aerial refueling mission for the next several decades, replacing the aging 1950's-era KC–135 Stratotanker fleet;

(2) the Air Force has provided funding for numerous military construction projects at installations across the country to prepare for the delivery and bed down of the KC–46A aircraft;

(3) as the KC–46A program matures and requirements become better defined, additional military construction and facilities, sustainment, restoration and modernization (FSRM) funding is likely to be necessary to properly support the fielding of the aircraft, house additional personnel, and meet unforeseen requirements of the tanker mission; and

(4) the Secretary of the Air Force should continue to review and validate new emergent requirements and prepare to provide additional military construction and FSRM funding in its budget request for fiscal year 2020 and future years as needed.

SEC. 5103. ADDITIONAL ELEMENT IN THE QUARTERLY UPDATES ON THE F–35 JOINT STRIKE FIGHTER PROGRAM.

The element on the assessment of the F–35 Joint Strike Fighter program under section 152(b)(3) in the quarterly updates on that program under section 152 shall include an assessment of efforts to ensure that excessive sustainment costs do not threaten the Department of Defense's ability to purchase the required number of aircraft.

TITLE LII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

SEC. 5201. JOINT ARTIFICIAL INTELLIGENCE RESEARCH, DEVELOPMENT, AND TRANSITION ACTIVITIES.

The near-term actionable recommendations of the Secretary of Defense under section 226(e)(3)(B) shall include recommendations on research into systems that integrate the strengths and reliability of artificial intelligence and machine learning with the inductive reasoning power of a human.

SEC. 5202. SCOPE OF COMPETITIVE ACQUISITION STRATEGY FOR THE BRADLEY FIGHTING VEHICLE TRANSMISSION REPLACEMENT.

The plan to use full and open competition in the acquisition strategy for the Bradley Fighting Vehicle transmission replacement required by section 241(b)(2) shall be based on the Federal Acquisition Regulation rather than to the maximum extent practicable.

SEC. 5203. PILOT PROGRAM TO TEST MACHINE-VISION TECHNOLOGIES TO DETERMINE THE AUTHENTICITY AND SECURITY OF MICROELECTRONIC PARTS IN WEAPON SYSTEMS.

(a) PILOT PROGRAM AUTHORIZED.—The Under Secretary of Defense for Research and Engineering, in coordination with the Defense Microelectronics Activity, shall establish a pilot program to test the feasibility and reliability of using machine-vision technologies to determine the authenticity and security of microelectronic parts in weapon systems.

(b) OBJECTIVES OF PILOT PROGRAM.—The objective of the pilot program required by subsection (a) shall include determining the following:

(1) The effectiveness and technology readiness level of machine-vision technologies to determine the authenticity of microelectronic parts at the time of the creation of such part through final insertion of such part into weapon systems.

(2) The best method of incorporating machine-vision technologies into the process of developing, transporting, and inserting microelectronics into weapon systems.

(3) The rules, regulations, or processes that hinder the development and incorporation of machine-vision technologies, and the application of such

rules, regulations, or processes to mitigate counterfeit microelectronics proliferation throughout the Department of Defense.

(c) CONSULTATION.—In carrying out the pilot program required by subsection (a), the Under Secretary may consult with the following:

(1) Manufacturers of semiconductors or electronics.

(2) Industry associations relating to semiconductors or electronics.

(3) Original equipment manufacturers of products for the Department of Defense.

(4) Nontraditional defense contractors (as defined in section 2302 of title 10, United States Code) that are machine-vision companies.

(5) Federal laboratories (as defined in section 2500 of title 10, United States Code).

(6) Other elements of the Department of Defense that fall under the authority of the Under Secretary of Defense for Research and Engineering.

(d) COMMENCEMENT AND DURATION.—The pilot program established under this section shall be established not later than April 1, 2019, and all activities under such pilot program shall terminate not later than December 31, 2020.

TITLE LIII—OPERATION AND MAINTENANCE

SEC. 5301. PRIORITIZATION OF ENVIRONMENTAL IMPACTS FOR FACILITIES SUSTAINMENT, RESTORATION, AND MODERNIZATION DEMOLITION.

The Secretary of Defense shall establish prioritization metrics for facilities deemed eligible for demolition within the Facilities Sustainment, Restoration, and Modernization (FSRM) process. Those metrics shall include full spectrum readiness and environmental impacts, including the removal of contamination.

SEC. 5302. CORE SAMPLING AT JOINT BASE SAN ANTONIO, TEXAS.

(a) SITE INVESTIGATION REQUIRED.—The Secretary of the Air Force shall conduct a core sampling study along the proposed route of the W–6 wastewater treatment line on Air Force real property, in compliance with best engineering practices, to determine if any regulated or hazardous substances are present in the soil along the proposed route.

(b) REPORT REQUIRED.—Not later than 120 days after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the Committees on Armed Services of the Senate and the House of Representatives a

report on the results of the core samples taken pursuant to subsection (a).

SEC. 5303. TRANSPORTATION TO CONTINENTAL UNITED STATES OF RETIRED MILITARY WORKING DOGS OUTSIDE THE CONTINENTAL UNITED STATES THAT ARE SUITABLE FOR ADOPTION IN THE UNITED STATES.

Section 2583(f) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(3)(A) In the case of a military working dog located outside the continental United States (OCONUS) at the time of retirement that is suitable for adoption at that time, the Secretary of the military department concerned shall undertake transportation of the dog to the continental United States (including transportation by contract at United States expense) for adoption under this section unless—

"(i) the dog is adopted as described in paragraph (2)(A); or

"(ii) transportation of the dog to the continental United States would not be in the best interests of the dog for medical reasons.

"(B) Nothing in this paragraph shall be construed to alter the preference in adoption of retired military working dogs for former handlers as set forth in subsection (g).".

SEC. 5304. ADDITIONAL ELEMENT IN REPORT ON COLD WEATHER CAPABILITIES AND READINESS OF THE UNITED STATES ARMED FORCES.

The report on cold weather capabilities and readiness of the United States Armed Forces required by section 322 shall also include an analysis of potential partnerships with State, local, tribal, and private entities to maximize training potential and to utilize local expertise.

SEC. 5305. REPORT ON AIR FORCE TRAINING RANGE REQUIREMENTS TO ADDRESS FIFTH GENERATION THREATS.

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

(1) The Department of Defense needs to ensure that air training ranges are properly equipped to prepare pilots for operating in any battlespace where they may have to operate.

(2) The ongoing development of anti-aircraft technology among near-peer competitors of the United States, and the proliferation of that technology to a widening array of potential battlefields, necessitates maximum preparedness among United States fighter and bomber pilots.

(3) Years of focusing on low intensity stability operations and multiple budget cycles under spending caps have resulted in an under capitalization of fifth generation training resources.

(b) 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 needs of the Air Force to ensure pilots can train against the full range of fifth generation threats at training ranges, including—

(1) the appropriate mix of live and virtual threats that should be available on the training ranges;

(2) the need to have threat representative simulators at those training ranges;

(3) the plan to meet those needs;

(4) the resources required to meet those needs; and

(5) the timeline for meeting those needs.

SEC. 5306. ANNUAL REPORT ON DIFFERENCES IN SHIP REPAIR CONTRACT AND FINAL DELIVERY COSTS.

(a) REPORT REQUIRED.—The Secretary of the Navy shall submit to the congressional defense committees a report on the differences between the final contract and final delivery cost for each ship repair, including a description of any growth work that was added after the contract award and a detailed explanation on why the growth work was not included in original contract proposal.

(b) SENSE OF CONGRESS.—It is the sense of Congress that it is important to create and maintain a stable work load for the defense industrial base at ship repair yards.

SEC. 5307. REPORT ON AIR FORCE AIRFIELD OPERATIONAL REQUIREMENTS.

(a) IN GENERAL.—Not later than February 1, 2019, the Secretary of the Air Force shall conduct an assessment and submit to the congressional defense committees a report detailing the operational requirements for Air Force airfields.

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

(1) An assessment of the state of airfields where runway degradation currently poses a threat to operations and airfields where such degradation threatens operations in the next five and ten years.

(2) A description of the operational requirements for airfields, including an assessment of the impact to operations, cost to repair, cost to replace, remaining useful life, and the required daily maintenance to ensure runways are acceptable for full operations.

(3) A description of any challenges with infrastructure acquisition methods and processes.

(4) An assessment of the operational impact in the event a runway were to become inoperable due to

a major degradation incident, such as a crack or fracture resulting from lack of maintenance and repair.

(5) A plan to address any shortfalls associated with the Air Force's runway infrastructure.

(c) FORM.—The report required under subsection (a) shall be in unclassified form but may contain a classified annex as necessary.

TITLE LV—MILITARY PERSONNEL POLICY

SEC. 5501. REPORT ON PARTICIPATION IN THE TRANSITION ASSISTANCE PROGRAM.

(a) REPORT REQUIRED.—Not later than February 28, 2019, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on participation in the Transition Assistance Program under section 1144 of title 10, United States Code, by members of the Armed Forces.

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

(1) Information on the participation of members of the Armed Forces in the Transition Assistance Program during 2018, including the following:

(A) The number of members who were eligible for participation in the Program during

2018, in aggregate and by component of the Armed Forces.

(B) The number of members who participated in the Program during 2018, in aggregate and by component of the Armed Forces, for each service as follows:

(i) Preseparation counseling provided by the Department of Defense.

(ii) Briefings provided by the Department of Veterans Affairs.

(iii) Employment workshops provided by the Department of Labor.

(C) The number of members who did not participate in the Program during 2018 due to a waiver of the participation requirement under section 114(c)(2) of title 10, United Stats Code, for each service set forth in subparagraph (B).

(2) Such recommendations for legislative or administrative action as the Secretary of Defense, in consultation with the Secretary of Labor, the Secretary of Veterans Affairs, and the Secretary of Homeland Security, considers appropriate to increase participation of members of the Armed Forces in each service set forth in paragraph (1)(B).

(3) Assessments of the Transition Assistance Program by members of the Armed Forces who participated in the Program during 2018, including the following:

(A) A summary of the data obtained by the Department of Defense through assessments of the Program by participants in the Program during 2018, including data obtained through the assessments as follows:

(i) The Transition Goals Plans Success (GPS) Participant Assessment.

(ii) Status of Forces Surveys (SOFS).

(B) A summary of the conclusions derived by the Secretary of Defense from the data described in subparagraph (A).

(4) Such recommendations for improvements to the Transition Assistance Program as the Secretary of Defense considers appropriate in light of the data described by paragraph (3)(A) and the conclusions described by paragraph (3)(B), including recommendations for such legislative or administrative action as the Secretary considers appropriate to carry out such improvements.

SEC. 5502. BRIEFING ON THE STATUS OF THE PLAN OF THE ARMY TO TRANSITION TO NEW INSECTICIDE PRETREATMENTS ON COMBAT UNIFORMS.

Not later than 60 days after the date of the enactment of this Act, the Secretary of the Army shall provide to the Committees on Armed Services of the Senate and the House of Representatives a briefing the status of approval of, and any plan to transition to, the use of new insecticide pretreatments on combat uniforms.

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

SEC. 5801. INSTRUCTION ON PILOT PROGRAM REGARDING EMPLOYMENT OF PERSONS WITH DISABILITIES.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall update the Defense Federal Acquisition Regulatory Supplement to include an instruction on the pilot program regarding employment of persons with disabilities authorized under section 853 of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108–136; 10 U.S.C. 2302 note).

SEC. 5802. DEVELOPING INNOVATION AND GROWING THE INTERNET OF THINGS.

(a) FINDINGS; SENSE OF CONGRESS.—

(1) FINDINGS.—Congress finds that—

(A) the Internet of Things refers to the growing number of connected and interconnected devices;

(B) estimates indicate that more than 50,000,000,000 devices will be connected to the internet by 2020;

(C) the Internet of Things has the potential to generate trillions of dollars in new economic activity around the world;

(D) businesses across the United States can develop new services and products, improve operations, simplify logistics, cut costs, and pass savings on to consumers by utilizing the Internet of Things and related innovations;

(E) the United States leads the world in the development of technologies that support the internet and the United States technology sector is well-positioned to lead in the development of technologies for the Internet of Things;

(F) the United States Government can implement this technology to better deliver services to the public; and

(G) the Senate unanimously passed Senate Resolution 110, 114th Congress, agreed to March

24, 2015, calling for a national strategy for the development of the Internet of Things.

(2) SENSE OF CONGRESS.—It is the sense of Congress that policies governing the Internet of Things should maximize the potential and development of the Internet of Things to benefit all stakeholders, including businesses, governments, and consumers.

(b) DEFINITIONS.—In this section:

(1) COMMISSION.—The term "Commission" means the Federal Communications Commission.

(2) SECRETARY.—The term "Secretary" means the Secretary of Commerce.

(3) STEERING COMMITTEE.—The term "steering committee" means the steering committee established under subsection (c)(5).

(4) WORKING GROUP.—The term "working group" means the working group convened under subsection (c)(1).

(c) FEDERAL WORKING GROUP.—

(1) IN GENERAL.—The Secretary shall convene a working group of Federal stakeholders for the purpose of providing recommendations and a report to Congress relating to the aspects of the Internet of Things described in paragraph (2).

(2) DUTIES.—The working group shall—

(A) identify any Federal regulations, statutes, grant practices, budgetary or jurisdictional challenges, and other sector-specific policies that are inhibiting, or could inhibit, the development of the Internet of Things;

(B) consider policies or programs that encourage and improve coordination among Federal agencies with jurisdiction over the Internet of Things;

(C) consider any findings or recommendations made by the steering committee and, where appropriate, act to implement those recommendations; and

(D) examine—

(i) how Federal agencies can benefit from utilizing the Internet of Things;

(ii) the use of Internet of Things technology by Federal agencies as of the date on which the working group performs the examination;

(iii) the preparedness and ability of Federal agencies to adopt Internet of Things technology in the future; and

(iv) any additional security measures that Federal agencies may need to take to—

(I) safely and securely use the Internet of Things, including measures that ensure the security of critical infrastructure; and

(II) enhance the resiliency of Federal systems against cyber threats to the Internet of Things.

(3) AGENCY REPRESENTATIVES.—In convening the working group under paragraph (1), the Secretary may appoint representatives, and shall specifically consider seeking representation, from—

(A) the Department of Commerce, including—

(i) the National Telecommunications and Information Administration;

(ii) the National Institute of Standards and Technology; and

(iii) the National Oceanic and Atmospheric Administration;

(B) the Department of Transportation;

(C) the Department of Homeland Security;

(D) the Office of Management and Budget;

(E) the National Science Foundation;

(F) the Commission;

(G) the Federal Trade Commission;

(H) the Office of Science and Technology Policy;

(I) the Department of Energy; and

(J) the Federal Energy Regulatory Commission.

(4) NONGOVERNMENTAL STAKEHOLDERS.—The working group shall consult with nongovernmental stakeholders, including—

(A) the steering committee;

(B) information and communications technology manufacturers, suppliers, service providers, and vendors;

(C) subject matter experts representing industrial sectors other than the technology sector that can benefit from the Internet of Things, including the energy, agriculture, and health care sectors;

(D) small, medium, and large businesses;

(E) think tanks and academia;

(F) nonprofit organizations and consumer groups;

(G) rural stakeholders; and

(H) other stakeholders with relevant expertise, as determined by the Secretary.

(5) STEERING COMMITTEE.—

(A) ESTABLISHMENT.—There is established within the Department of Commerce a steering committee to advise the working group.

(B) DUTIES.—The steering committee shall advise the working group with respect to—

(i) the identification of any Federal regulations, statutes, grant practices, programs, budgetary or jurisdictional challenges, and other sector-specific policies that are inhibiting, or could inhibit, the development of the Internet of Things;

(ii) whether adequate spectrum is available to support the growing Internet of Things and what legal or regulatory barriers may exist to providing any spectrum needed in the future;

(iii) policies or programs that—

(I) promote or are related to the privacy of individuals who use or are affected by the Internet of Things;

(II) may enhance the security of the Internet of Things, including the security of critical infrastructure;

(III) may protect users of the Internet of Things; and

(IV) may encourage coordination among Federal agencies with jurisdiction over the Internet of Things;

(iv) the opportunities and challenges associated with the use of Internet of Things technology by small businesses; and

(v) any international proceeding, international negotiation, or other international matter affecting the Internet of Things to which the United States is or should be a party.

(C) MEMBERSHIP.—The Secretary shall appoint to the steering committee members representing a wide range of stakeholders outside of the Federal Government with expertise relating to the Internet of Things, including—

(i) information and communications technology manufacturers, suppliers, service providers, and vendors;

(ii) subject matter experts representing industrial sectors other than the technology sector that can benefit from the Internet of Things, including the energy, agriculture, and health care sectors;

(iii) small, medium, and large businesses;

(iv) think tanks and academia;

(v) nonprofit organizations and consumer groups;

(vi) rural stakeholders; and

(vii) other stakeholders with relevant expertise, as determined by the Secretary.

(D) REPORT.—Not later than 1 year after the date of enactment of this Act, the steering committee shall submit to the working group a report that includes any findings made by, or recommendations of, the steering committee.

(E) INDEPENDENT ADVICE.—

(i) IN GENERAL.—The steering committee shall set the agenda of the steering committee in carrying out the duties of the steering committee under subparagraph (B).

(ii) SUGGESTIONS.—The working group may suggest topics or items for the

steering committee to study and the steering committee shall take those suggestions into consideration in carrying out the duties of the steering committee.

(iii) REPORT.—The steering committee shall ensure that the report submitted under subparagraph (D) is the result of the independent judgment of the steering committee.

(F) TERMINATION.—The steering committee shall terminate on the date on which the working group submits the report under paragraph (6) unless, on or before that date, the Secretary files a new charter for the steering committee under section 9(c) of the Federal Advisory Committee Act (5 U.S.C. App.).

(6) REPORT TO CONGRESS.—

(A) IN GENERAL.—Not later than 18 months after the date of enactment of this Act, the working group shall submit to Congress a report that includes—

(i) the findings and recommendations of the working group with respect to the duties of the working group under paragraph (2);

(ii) the report submitted by the steering committee under paragraph (5)(D), as the report was received by the working group;

(iii) recommendations for action or reasons for inaction, as applicable, with respect to each recommendation made by the steering committee in the report submitted under paragraph (5)(D); and

(iv) an accounting of any progress made by Federal agencies to implement recommendations made by the working group or the steering committee.

(B) COPY OF REPORT.—The working group shall submit a copy of the report described in subparagraph (A) to—

(i) the Committee on Commerce, Science, and Transportation and the Committee on Energy and Natural Resources of the Senate;

(ii) the Committee on Energy and Commerce of the House of Representatives; and

(iii) any other committee of Congress, upon request to the working group.

(d) ASSESSING SPECTRUM NEEDS.—

(1) IN GENERAL.—The Commission, in consultation with the National Telecommunications and Information Administration, shall issue a notice of inquiry seeking public comment on the current, as of the date of enactment of this Act, and future spectrum needs of the Internet of Things.

(2) REQUIREMENTS.—In issuing the notice of inquiry under paragraph (1), the Commission shall seek comments that consider and evaluate—

(A) whether adequate spectrum is available to support the growing Internet of Things;

(B) what regulatory barriers may exist to providing any needed spectrum for the Internet of Things; and

(C) what the role of licensed and unlicensed spectrum is and will be in the growth of the Internet of Things.

(3) REPORT.—Not later than 1 year after the date of enactment of this Act, the Commission shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Energy and Commerce of the House of Representatives a report summarizing the comments submitted

in response to the notice of inquiry issued under paragraph (1).

TITLE LIX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

SEC. 5901. CLARIFICATION OF CERTAIN RISK ASSESSMENT REQUIREMENTS OF THE CHAIRMAN OF THE JOINT CHIEFS OF STAFF IN CONNECTION WITH THE NATIONAL MILITARY STRATEGY.

Section 153(b) of title 10, United States Code, is amended—

(1) in paragraph (1)(D)(iii), by striking "military strategic and operational risks" and inserting "military risk"; and

(2) in paragraph (2)(B)(ii), by striking "military strategic and operational risks to United States interests and the military strategic and operational risks in executing the National Military Strategy (or update)" and inserting "military strategic risks to United States interests and military risks in executing the National Military Strategy (or update)".

TITLE LX—GENERAL PROVISIONS

SEC. 6001. BUSINESS CASE ANALYSIS OF READY RESERVE FORCE RECAPITALIZATION OPTIONS.

(a) BUSINESS CASE ANALYSIS REQUIRED.—Not later than 120 days after the date of the enactment of this Act, the Secretary of the Navy shall, in consultation with the Administrator of the Maritime Administration and the Commander of United States Transportation Command, submit to the congressional defense committees a report setting forth a business case analysis of recapitalization options for the Ready Reserve Force (RRF).

(b) ELEMENTS.—The business case analysis required by subsection (a) shall include the following:

(1) Each sealift capability area, and the associated capacity, for which Ready Reserve Force vessels are required to be recapitalized through fiscal year 2048.

(2) The categories of vessels being considered in each area specified pursuant to paragraph (1), including the following:

(A) United States purpose-built vessels (such as Common Hull Auxiliary Multi-mission Platform).

(B) United States non-purpose built vessels (such as vessels formerly engaged in Jones Act trade).

(C) Foreign-built vessels that participated in the Maritime Security Program.

(D) Foreign-built vessels that did not participate in the Maritime Security Program.

(3) For each category of vessel specified pursuant to paragraph (2), the following:

(A) Anticipated availability of vessels within such category in the timeframe needed to meet United States Transportation Command sealift requirements.

(B) Anticipated purchase price, if applicable.

(C) Anticipated cost and scope of modernization.

(D) Anticipated duration of modernization period.

(E) Anticipated service life as a Ready Reserve Force vessel.

(F) Anticipated military utility.

(G) Ability of one such vessel to replace more than one existing Ready Reserve Force vessel.

(4) A cost-benefit determination on the mix of capabilities and vessels identified pursuant to paragraphs (1) through (3) that could ensure United States Transportation Command sealift requirements are met through fiscal year 2048, which determination shall include a comparison of the useful service life of each category of vessels specified pursuant to paragraph (2) with the costs of such category of vessels.

SEC. 6002. TRANSFER OF EXCESS NAVAL VESSEL TO BAHRAIN.

(a) TRANSFER BY GRANT.—The President is authorized to transfer to the Government of Bahrain the OLIVER HAZARD PERRY class guided missile frigate ex-USS ROBERT G. BRADLEY (FFG–49) on a grant basis under section 516 of the Foreign Assistance Act of 1961 (22 U.S.C. 2321j).

(b) GRANT NOT COUNTED IN ANNUAL TOTAL OF TRANSFERRED EXCESS DEFENSE ARTICLES.—The value of the vessel transferred to the Government of Bahrain on a grant basis pursuant to authority provided by subsection (a) shall not be counted against the aggregate value of excess defense articles transferred in any fiscal year under section 516 of the Foreign Assistance Act of 1961 (22 U.S.C. 2321j).

(c) COSTS OF TRANSFER.—Any expense incurred by the United States in connection with the transfer authorized by this section shall be charged to the Government of Bahrain notwithstanding section 516(e) of the Foreign Assistance Act of 1961 (22 U.S.C. 2321j(e)).

(d) REPAIR AND REFURBISHMENT IN UNITED STATES SHIPYARDS.—To the maximum extent practicable, the President shall require, as a condition of the transfer of a vessel under this section, that the Government of Bahrain have such repair or refurbishment of the vessel as is needed, before the vessel joins the naval forces of that country, performed at a shipyard located in the United States, including a United States Navy shipyard.

(e) EXPIRATION OF AUTHORITY.—The authority to transfer a vessel under this section shall expire at the end of the three-year period beginning on the date of the enactment of this Act.

SEC. 6003. MEMBERS OF PANEL CONDUCTING REVIEW OF MILITARY AVIATION READINESS IN SUPPORT OF THE NATIONAL DEFENSE STRATEGY.

Notwithstanding subparagraph (C) of section 1044(b)(2), the official who shall be referred to in that subparagraph is the Commander, Naval Air Forces.

SEC. 6004. STUDY ON PHASING OUT OPEN BURN PITS.

(a) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a report that includes—

(1) details of any ongoing use of open burn pits; and

(2) the feasibility of phasing out the use of open burn pits by using technology incinerators.

(b) OPEN BURN PIT DEFINED.—In this section, the term "open burn pit" means an area of land—

(1) that is designated by the Secretary of Defense to be used for disposing solid waste by burning in the outdoor air; and

(2) does not contain a commercially manufactured incinerator or other equipment specifically designed and manufactured for the burning of solid waste.

SEC. 6005. AIRBORNE HAZARDS AND OPEN BURN PIT REGISTRY.

Beginning not later than one year after the date of the enactment of this Act, the Secretary of Defense shall carry out an annual education campaign to inform individuals who may be eligible to enroll in the Airborne Hazards and Open Burn Pit Registry of such eligibility. Each such campaign shall include at least one electronic method

and one physical mailing method to provide such information.

SEC. 6006. IMPROVING SMALL BUSINESS LOAN PROGRAMS FOR EMPLOYEE-OWNED BUSINESS CONCERNS.

(a) DEFINITIONS.—In this section—

(1) the terms "Administration" and "Administrator" mean the Small Business Administration and the Administrator thereof, respectively;

(2) the term "cooperative" has the meaning given the term in section 7(a)(35) of the Small Business Act, as added by subsection (b);

(3) the term "employee-owned business concern" means—

(A) a cooperative; and

(B) a qualified employee trust;

(4) the terms "qualified employee trust" and "small business concern" have the meanings given those terms in section 3 of the Small Business Act (15 U.S.C. 632); and

(5) the term "small business development center" means a small business development center described in section 21 of the Small Business Act (15 U.S.C. 648).

(b) EXPANSION OF 7(A) LOANS.—

(1) IN GENERAL.—Section 7(a) of the Small Business Act (15 U.S.C. 636(a)) is amended—

(A) in paragraph (15)—

(i) in subparagraph (A)—

(I) by striking "this subsection to qualified employee trusts" and inserting "this subsection—

"(i) to qualified employee trusts";

(II) in clause (i), as so designated—

(aa) by inserting ", and for any transaction costs associated with purchasing," after "purchasing";

(bb) by striking the period at the end and inserting "; and"; and

(III) by adding at the end the following:

"(ii) to a small business concern under a plan approved by the Administrator, if the proceeds from the loan are only used to make a loan to a qualified employee trust, and for any transaction costs associated with making that loan, that results in the qualified employee trust own-

ing at least 51 percent of the small business concern.";

(ii) in subparagraph (B)—

(I) in the matter preceding clause (i), by inserting "or by the small business concern" after "the trustee of such trust";

(II) in clause (ii), by striking "and" at the end;

(III) in clause (iii), by striking the period at the end and inserting ", and"; and

(IV) by adding at the end the following:

"(iv) with respect to a loan made to a trust, or to a cooperative in accordance with paragraph (35)—

"(I) a seller of the small business concern may remain involved as an officer, director, or key employee of the small business concern when a qualified employee trust or cooperative has acquired 100 percent of ownership of the small business concern; and

"(II) any seller of the small business concern who remains as an owner of the small business concern, regardless of the percentage of ownership interest, shall be required to provide a personal guarantee by the Administration."; and

(iii) by adding at the end the following:

"(F) A small business concern that makes a loan to a qualified employee trust under subparagraph (A)(ii) is not required to contain the same terms and conditions as the loan made to the small business concern that is guaranteed by the Administration under such subparagraph.

"(G) With respect to a loan made to a qualified employee trust under this paragraph, or to a cooperative in accordance with paragraph (35), the Administrator may, as determined appropriate by the Administrator, elect to not require any mandatory equity to be provided by the qualified employee trust or cooperative to make the loan."; and

(B) by adding at the end the following:

"(35) LOANS TO COOPERATIVES.—

"(A) DEFINITION.—In this paragraph, the term 'cooperative' means an entity that is deter-

mined to be a cooperative by the Administrator, in accordance with applicable Federal and State laws and regulations.

"(B) AUTHORITY.—The Administration shall guarantee loans made to a cooperative for the purpose described in paragraph (15).".

(2) DELEGATION OF AUTHORITY TO PREFERRED LENDERS.—Section 5(b)(7) of the Small Business Act (15 U.S.C. 634(b)(7)) is amended by inserting ", including loans guaranteed under paragraph (15) or (35) of section 7(a)" after "deferred participation loans".

(c) SMALL BUSINESS INVESTMENT COMPANY PROGRAM OUTREACH.—The Administrator shall provide outreach and educational materials to companies licensed under section 301(c) of the Small Business Investment Act of 1958 (15 U.S.C. 681(c)) to increase the use of funds to make investments in company transitions to employee-owned business concerns.

(d) SMALL BUSINESS MICROLOAN PROGRAM OUTREACH.—The Administrator shall provide outreach and educational materials to intermediaries under section 7(m) of the Small Business Act (15 U.S.C. 636(m)) to increase the use of funds to make loans to employee-owned business

concerns, including transitions to employee-owned business concerns.

(e) SMALL BUSINESS DEVELOPMENT CENTER OUTREACH AND ASSISTANCE.—

(1) ESTABLISHMENT.—The Administrator shall establish a Small Business Employee Ownership and Cooperatives Promotion Program to offer technical assistance and training on the transition to employee ownership through cooperatives and qualified employee trusts.

(2) SMALL BUSINESS DEVELOPMENT CENTERS.—

(A) IN GENERAL.—In carrying out the program established under paragraph (1), the Administrator shall enter into agreements with small business development centers under which the centers shall—

(i) provide access to information and resources on employee ownership through cooperatives or qualified employee trusts as a business succession strategy;

(ii) conduct training and educational activities; and

(iii) carry out the activities described in subparagraph (U) of section 21(c)(3) of

the Small Business Act (15 U.S.C. 648(c)(3)), as added by subparagraph (B).

(B) ADDITIONAL SERVICES.—Section 21(c)(3) of the Small Business Act (15 U.S.C. 648(c)(3)) is amended—

(i) in subparagraph (S), by striking "and" at the end;

(ii) in subparagraph (T), by striking the period at the end and inserting "; and"; and

(iii) by adding at the end the following:

"(U) encouraging and assisting the provision of succession planning to small business concerns with a focus on transitioning to cooperatives, as defined in section 7(a)(35), and qualified employee trusts (collectively referred to in this subparagraph as 'employee-owned business concerns'), including by—

"(i) providing training to individuals to promote the successful management, governance, or operation of a business purchased by those individuals in the formation of an employee-owned business concern;

"(ii) assisting employee-owned business concerns that meet applicable size standards established under section 3(a) with education and technical assistance with respect to financing and contracting programs administered by the Administration;

"(iii) coordinating with lenders on conducting outreach on financing through programs administered by the Administration that may be used to support the transition of ownership to employees;

"(iv) supporting small business concerns in exploring or assessing the possibility of transitioning to an employee-owned business concern; and

"(v) coordinating with the cooperative development centers of the Department of Agriculture, the land grant extension network, the Manufacturing Extension Partnership, community development financial institutions, employee ownership associations and service providers, and local, regional and national cooperative associations.".

(f) INTERAGENCY WORKING GROUP.—

(1) IN GENERAL.—Not later than 90 days after the date of enactment of this Act, the Administrator or a designee of the Administrator shall coordinate and chair an interagency working group, which shall—

(A) develop recommendations on how Federal programs can promote, support, and increase the number of employee-owned business concerns;

(B) ensure coordination with Federal agencies and national and local employee ownership, cooperative, and small business organizations; and

(C) publish a report on the activities of the interagency working group that is indexed and maintained for public review.

(2) MEETINGS.—The interagency working group described in paragraph (1) shall meet in person or via electronic resources at such times as determined necessary by the Administrator, but not less frequently than biannually.

(g) AMENDMENT TO REPORT TO CONGRESS ON STATUS OF EMPLOYEE-OWNED FIRMS.—Section 7(a)(15) of the Small Business Act (15 U.S.C. 636(a)(15)), as amended by this section, is amended—

(1) in subparagraph (E), by striking "Administration." and inserting "Administration, which shall include—

"(i) the total number of loans made to cooperatives and qualified employee trusts (collectively referred to in this subparagraph as 'employee-owned business concerns') that were guaranteed by the Administrator under this section or section 502 of the Small Business Investment Act of 1958 (15 U.S.C. 696), including the number of loans made—

"(I) to small business concerns owned and controlled by socially and economically disadvantaged individuals; and

"(II) to cooperatives;

"(ii) the total number of financings made to employee-owned business concerns by companies licensed under section 301(c) of the Small Business Investment Act of 1958 (15 U.S.C. 696(c)), including the number of financings made—

"(I) to small business concerns owned and controlled by socially and economically disadvantaged individuals; and

"(II) to cooperatives; and

"(iii) any outreach and educational activities conducted by the Administration with respect to employee-owned business concerns."; and

(A) by adding at the end the following:

"(H) In this paragraph—

"(i) the term 'cooperative' has the meaning given the term in paragraph (35); and

"(ii) the term 'small business concern owned and controlled by socially and economically disadvantaged individuals' has the meaning given the term in section 8(d)(3)(C).".

(h) REPORT ON COOPERATIVE LENDING.—

(1) SENSE OF CONGRESS.—It is the sense of Congress that cooperatives have a unique business structure and are unable to access the lending programs of the Administration effectively due to loan guarantee requirements that are incompatible with the business structure of cooperatives.

(2) STUDY AND REPORT.—

(A) STUDY.—The Administrator, in coordination with lenders, stakeholders, and Federal agencies, shall study and recommend practical alternatives for cooperatives that will satisfy the loan guarantee requirements of the Administration.

(B) REPORT.—Not later than 120 days after the date of enactment of this Act, the Administrator shall submit to Congress the recommendations developed under paragraph (1) and a plan to implement those recommendations.

SEC. 6007. COMPTROLLER GENERAL OF THE UNITED STATES REVIEW OF EFFECT OF OTHER-THAN-HONORABLE DISCHARGES ON VETERAN EMPLOYMENT OUTCOMES.

(a) REVIEW REQUIRED.—Not later than one year after the date of the enactment of this Act, the Comptroller General of the United States shall, in consultation with the Secretary of Defense, the Secretary of Veterans Affairs, and the Secretary of Labor, complete a review of the effect of discharges and releases from service in the active military, naval, or air service under conditions other than honorable on employment outcomes for veterans who were so discharged or released.

(b) ELEMENTS.—The review required by subsection (a) shall include the following:

(1) An assessment of the effect of a discharge or release described in subsection (a) on a veteran's employment outcomes.

(2) Development of recommendations for legislative or administrative action to reduce the negative

effect of such a discharge or release on employment outcomes, including potential educational campaigns.

(3) An assessment of agency outreach or other relevant efforts to inform veterans of their ability to seek a change to their character of discharge through a discharge review board.

(4) An assessment of the progress of the Secretary of Defense in implementing the recommendations of the Comptroller General published in the Government Accountability Office report GAO–17–260 in May of 2017 on actions needed to ensure post-traumatic stress disorder and traumatic brain injury are considered in misconduct separations.

(5) A review and development of recommended areas for improvement in the implementation by the Department of Defense of its August 25, 2017, clarifying guidance to Military Discharge Review Boards and Board for Correction of Military/Naval Records related to mental health conditions, sexual assault, or sexual harassment. Such review shall include identifying statistics on the number of upgrades and discharge reliefs requested and granted and the average timeframe for review of such requests.

(c) REPORT.—Not later than 90 days after the date on which the Comptroller General completes the review re-

quired by subsection (a), the Comptroller General shall submit to Congress a report on the results of the review.

(d) DEFINITIONS.—In this section, the terms "active military, naval, or air service", "discharge or release", and "veteran" have the meaning given such terms in section 101 of title 38, United States Code.

SEC. 6008. COMPTROLLER GENERAL STUDY ON AVAILABILITY OF LONG-TERM CARE OPTIONS FOR VETERANS FROM DEPARTMENT OF VETERANS AFFAIRS.

(a) IN GENERAL.—The Comptroller General of the United States shall conduct a study on the availability of long-term care options from the Department of Veterans Affairs for veterans with combat-related disabilities, including veterans who served in the Armed Forces after September 11, 2001.

(b) ELEMENTS.—The study required by subsection (a) shall—

(1) determine the potential demand for long-term care by veterans eligible for health care from the Department;

(2) determine the capacity of the Department for providing all four levels of long-term care, which are independent living, assisted living, nursing home care, and memory care;

(3) identify the number of veterans with combat-related disabilities who require a personal care assistant and which facilities of the Department provide this service; and

(4) examine the value of long-term care benefits provided by the Department, including personal care assistant services, to identify the potential elements of a pilot program that affords aging veterans the choice of receiving long-term care benefits at nonprofit continuing care retirement communities.

(c) REPORT.—Not later than January 1, 2020, the Comptroller General shall submit to the Committee on Armed Services and the Committee on Veterans' Affairs of the Senate and the Committee on Armed Services and the Committee on Veterans' Affairs of the House of Representatives a report on the study conducted under this section.

SEC. 6009. SENSE OF CONGRESS RELATING TO SOO LOCKS, SAULT SAINTE MARIE, MICHIGAN.

It is the sense of Congress that—

(1) the Soo Locks in Sault Ste. Marie, Michigan, are of critical importance to the national security of the United States;

(2) the Soo Locks are the only waterway connection from Lake Superior to the Lower Great Lakes and the St. Lawrence Seaway;

(3) only the Poe Lock is of sufficient size to allow for the passage of the largest cargo vessels that transport well over 90 percent of all iron ore mined in the United States, and this lock is nearing the end of its 50-year useful lifespan;

(4) a report issued by the Office of Cyber and Infrastructure Analysis of the Department of Homeland Security concluded that an unscheduled 6-month outage of the Poe Lock would cause—

(A) a dramatic increase in national and regional unemployment; and

(B) 75 percent of Great Lakes steel production, and nearly all North American appliance, automobile, railcar, and construction, farm, and mining equipment production to cease;

(5) the Corps of Engineers is reevaluating a past economic evaluation report to update the benefit-to-cost ratio for building a new lock at the Soo Locks; and

(6) the Secretary of the Army and all relevant Federal agencies should—

(A) expedite the completion of the report described in paragraph (5) and ensure the analysis adequately reflects the critical importance of the

Soo Locks infrastructure to the national security and economy of the United States; and

(B) expedite all other necessary reviews, analysis, and approvals needed to speed the required upgrades at the Soo Locks.

TITLE LXI—CIVILIAN PERSONNEL MATTERS

SEC. 6101. DEPARTMENT OF DEFENSE CYBER SCHOLARSHIP PROGRAM SCHOLARSHIPS AND GRANTS.

(a) ADDITIONAL CONSIDERATIONS.—Section 2200c of title 10, United States Code, is amended—

(1) by inserting before "In the selection" the following:

"(a) CENTERS OF ACADEMIC EXCELLENCE IN CYBER EDUCATION.—"; and

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

"(b) CERTAIN INSTITUTIONS OF HIGHER EDUCATION.—In the selection of a recipient for the award of a scholarship or grant under this chapter, consideration shall be given to whether—

"(1) in the case of a scholarship, the institution of higher education at which the recipient pursues a degree is an institution described in section 371(a) of

the Higher Education Act of 1965 (20 U.S.C. 1067q(a)); and

"(2) in the case of a grant, the recipient is an institution described in such section.".

(b) CLERICAL AMENDMENTS.—

(1) SECTION HEADING.—The heading of section 2200c of title 10, United States Code, is amended to read as follows:

"§ 2200c. Special considerations in awarding scholarships and grants".

(2) TABLE OF SECTIONS.—The table of sections at the beginning of chapter 112 of title 10, United States Code, is amended by striking the item relating to section 2200c and inserting the following new item:

"2200c. Special considerations in awarding scholarships and grants.".

Subtitle LXII—Matters Relating to Foreign Nations

SEC. 6201. COORDINATION OF EFFORTS TO NEGOTIATE FREE TRADE AGREEMENTS WITH CERTAIN SUB-SAHARAN AFRICAN COUNTRIES.

(a) IN GENERAL.—The Chief Executive Officer of the Millennium Challenge Corporation shall consult and coordinate with the United States Trade Representative and the Administrator of the United States Agency for International Development with respect to countries described in subsection (b) for the purpose of developing and carrying

out the plan required by section 116(b) of the African Growth and Opportunity Act (19 U.S.C. 3723(b)).

(b) COUNTRIES DESCRIBED.—A country is described in this paragraph if the country—

(1) is identified under section 110(b)(1) of the Trade Preferences Extension Act of 2015 (Public Law 114–27; 19 U.S.C. 3705 note); and

(2)(A) has entered into a Millennium Challenge Compact pursuant to section 609 of the Millennium Challenge Act of 2003 (22 U.S.C. 7708); or

(B) is selected by the Board of Directors of the Millennium Challenge Corporation under subsection (c) of section 607 of that Act (22 U.S.C. 7706) from among the countries determined to be eligible countries under subsection (a) of that section.

SEC. 6202. TREATMENT OF RWANDAN PATRIOTIC FRONT AND RWANDAN PATRIOTIC ARMY UNDER IMMIGRATION AND NATIONALITY ACT.

(a) REMOVAL OF TREATMENT AS TERRORIST ORGANIZATIONS.—

(1) IN GENERAL.—Except as provided in paragraph (2), the Rwandan Patriotic Front and the Rwandan Patriotic Army shall be excluded from the definition of terrorist organization (as defined in section 212(a)(3)(B)(vi)(III) of the Immigration and

Nationality Act (8 U.S.C. 1182(a)(3)(B)(vi)(III))) for purposes of such section 212(a)(3)(B) for any period before August 1, 1994.

(2) EXCEPTION.—

(A) IN GENERAL.—The Secretary of State, in consultation with the Secretary of Homeland Security and the Attorney General, or the Secretary of Homeland Security, in consultation with the Secretary of State and the Attorney General, as applicable, may suspend the application of paragraph (1) for the Rwandan Patriotic Front or the Rwandan Patriotic Army in the sole and unreviewable discretion of such applicable Secretary.

(B) REPORT.—Not later than, or contemporaneously with, a suspension of paragraph (1) under subparagraph (A), the Secretary of State or the Secretary of Homeland Security, as applicable, shall submit to the appropriate committees of Congress a report on the justification for such suspension.

(b) RELIEF FROM INADMISSIBILITY.—

(1) ACTIVITIES BEFORE AUGUST 1, 1994.—Section 212(a)(3)(B) of the Immigration and Nationality Act (8 U.S.C. 1182(a)(3)(B)) shall not apply to

an alien with respect to any activity undertaken by the alien in association with the Rwandan Patriotic Front or the Rwandan Patriotic Army before August 1, 1994.

(2) EXCEPTION.—

(A) IN GENERAL.—Paragraph (1) shall not apply if the Secretary of State or the Secretary of Homeland Security, as applicable, determines in the sole unreviewable discretion of such applicable Secretary that, in the totality of the circumstances, such alien—

(i) poses a threat to the safety and security of the United States; or

(ii) does not merit a visa, admission to the United States, or a grant of an immigration benefit or protection.

(B) IMPLEMENTATION.—Subparagraph (A) shall be implemented by the Secretary of State and the Secretary of Homeland Security, in consultation with the Attorney General.

(c) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

(1) the Committee on the Judiciary, the Committee on Foreign Relations, the Committee on Home-

land Security and Governmental Affairs, and the Committee on Appropriations of the Senate; and

(2) the Committee on the Judiciary, the Committee on Foreign Affairs, the Committee on Homeland Security, and the Committee on Appropriations of the House of Representatives.

SEC. 6203. SYRIAN WAR CRIMES ACCOUNTABILITY.

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

(1) March 2017 marks the sixth year of the ongoing conflict in Syria.

(2) As of February 2017—

(A) more than 13,000,000 people are in need of humanitarian assistance in Syria;

(B) approximately 6,600,000 people are displaced from their homes inside Syria; and

(C) approximately 5,600,000 Syrians have fled to neighboring countries as refugees.

(3) Since the conflict in Syria began, the United States has provided more than $8,000,000,000 to meet humanitarian needs in Syria, making the United States the world's single largest donor by far to the Syrian humanitarian response.

(4) In response to growing concerns over systemic human rights violations in Syria, the Independent International Commission of Inquiry on the

Syrian Arab Republic (referred to in this subsection as "COI") was established on August 22, 2011. The purpose of COI is to "investigate all alleged violations of international human rights law since March 2011 in the Syrian Arab Republic, to establish the facts and circumstances that may amount to such violations and of the crimes perpetrated and, where possible, to identify those responsible with a view to ensuring that perpetrators of violations, including those that may constitute crimes against humanity, are held accountable".

(5) On December 21, 2016, the United Nations General Assembly adopted a resolution to establish the International, Impartial and Independent Mechanism to Assist in the Investigation and Prosecution of Those Responsible for the Most Serious Crimes under International Law Committed in the Syrian Arab Republic since March 2011.

(6) In 2017, then Secretary of State Rex Tillerson stated "ISIS is clearly responsible for genocide against Yezidis, Christians, and Shia Muslims in areas it controls or has controlled. ISIS is also responsible for crimes against humanity and ethnic cleansing directed at these same groups, and in some cases against Sunni Muslims, Kurds, and other mi-

norities . . . . The protection of these groups, and others subject to violent extremism, is a human rights priority for the Trump administration.".

(7) On February 7, 2017, Amnesty International reported that between 5,000 and 13,000 people were extrajudicially executed in the Saydnaya Military Prison between September 2011 and December 2015.

(8) In February 2017, COI released a report—

(A) stating that a joint United Nations-Syrian Arab Red Crescent convoy in Orum al-Kubra, Syria, was attacked by air on September 19, 2016;

(B) explaining that the attack killed at least 14 civilian aid workers, injured at least 15 others, and destroyed trucks, food, medicine, clothes, and other supplies; and

(C) concluding that "the attack was meticulously planned and ruthlessly carried out by the Syrian air force to purposefully hinder the delivery of humanitarian aid and target aid workers, constituting the war crimes of deliberately attacking humanitarian relief personnel, denial of humanitarian aid and targeting civilians.".

(9) On October 26, 2017, the Organization for the Prohibition of Chemical Weapons-United Nations

Joint Investigative Mechanism transmitted its sixth report, which concluded that the Syrian Arab Armed Forces and the Islamic State in Iraq and Syria (ISIS) have both used chemical weapons against villages in Syria, including the use of sarin by the forces of the Government of Syria in Khan Sheikhoun in April 2017.

(10) On August 8, 2017, COI released a report stating that certain offenses, including deliberately attacking hospitals, holding back humanitarian aid as a tactic to control civilian populations, and the continued use of chemical weapons against civilians, constitute war crimes and crimes against humanity.

(11) Physicians for Human Rights reported that, between March 2011 and the end of December 2017, Syrian government and allied forces—

(A) had committed 446 attacks on 330 separate medical facilities (including through the use of indiscriminate barrel bombs on at least 80 occasions); and

(B) had killed 847 medical personnel.

(12) The Department of State's 2017 Country Reports on Human Rights Practices—

(A) states that President Bashar al-Assad "engaged in frequent violations and abuses, in-

cluding massacres, indiscriminate killings, kidnapping of civilians, arbitrary detentions, and rape as a war tactic.";

(B) explains that "these attacks included bombardment with improvised explosive devices, commonly referred to as 'barrel bombs' . . .";

and

(C) reports that "[t]he government [of Syria] continued the use of torture and rape, including of children".

(13) In February 2016, COI reported that—

(A) "crimes against humanity continue to be committed by [Syrian] Government forces and by ISIS";

(B) the Syrian government has "committed the crimes against humanity of extermination, murder, rape or other forms of sexual violence, torture, imprisonment, enforce disappearance and other inhuman acts"; and

(C) "[a]ccountability for these and other crimes must form part of any political solution".

(14) Credible civil society organizations collecting evidence of war crimes, crimes against humanity, and genocide in Syria report that at least 12

countries in western Europe and North America have requested assistance on investigating such crimes.

(15) In April 2018, the COI—

(A) reported at least 34 chemical attacks during the period beginning in 2013 and ending in January 2018, many of which—

(i) used chlorine or sarin, a nerve agent; and

(ii) were conducted by the Government of Syria.

(16) According to the World Health Organization, following the April 7, 2018, chemical weapons attack in Douma, Eastern Ghouta, an estimated 500 people were treated for "signs and symptoms consistent with exposure to toxic chemicals".

(17) On April 13, 2018, United States Ambassador to the United States Nikki Haley stated: "The United States estimates that Assad has used chemical weapons in the Syrian war at least 50 times. Public estimates are as high as 200."

(b) SENSE OF CONGRESS.—Congress—

(1) strongly condemns—

(A) the ongoing violence, use of chemical weapons, targeting of civilian populations with barrel, incendiary, and cluster bombs and SCUD

missiles, and systematic gross human rights violations carried out by the Government of Syria and pro-government forces under the direction of President Bashar al-Assad; and

(B) all abuses committed by violent extremist groups and other combatants involved in the civil war in Syria;

(2) expresses its support for the people of Syria seeking democratic change;

(3) urges all parties to the conflict—

(A) to immediately halt indiscriminate attacks on civilians;

(B) to allow for the delivery of humanitarian and medical assistance; and

(C) to end sieges of civilian populations;

(4) calls on the President to support efforts in Syria, and on the part of the international community, to ensure accountability for war crimes, crimes against humanity, and genocide committed during the conflict; and

(5) supports the request in United Nations Security Council Resolutions 2139 (2014), 2165 (2014), and 2191 (2014) for the Secretary-General to regularly report to the Security Council on implementation on the resolutions, including of paragraph 2 of

Resolution 2139, which "demands that all parties immediately put an end to all forms of violence [and] cease and desist from all violations of international humanitarian law and violations and abuses of human rights".

(c) REPORT ON ACCOUNTABILITY FOR WAR CRIMES, CRIMES AGAINST HUMANITY, AND GENOCIDE IN SYRIA.—

(1) IN GENERAL.—The Secretary of State shall submit a report on war crimes, crimes against humanity, and genocide in Syria to the appropriate congressional committees not later than 90 days after the date of the enactment of this Act and another such report not later than 180 days after the Secretary of State determines that the violence in Syria has ceased.

(2) ELEMENTS.—The reports required under paragraph (1) shall include—

(A) a description of alleged war crimes, crimes against humanity, and genocide perpetrated during the civil war in Syria, including—

(i) incidents that may constitute war crimes, crimes against humanity, or genocide committed by the regime of President

Bashar al-Assad and all forces fighting on its behalf;

(ii) incidents that may constitute war crimes, crimes against humanity, or genocide committed by violent extremist groups, anti-government forces, and any other combatants in the conflict;

(iii) any incidents that may violate the principle of medical neutrality and, if possible, the identification of the individual or individuals who engaged in or organized such incidents; and

(iv) if possible, a description of the conventional and unconventional weapons used for such crimes and the origins of such weapons; and

(B) a description and assessment by the Department of State Office of Global Criminal Justice, the United States Agency for International Development, the Department of Justice, and other appropriate agencies of programs that the United States Government has undertaken to ensure accountability for war crimes, crimes against humanity, and genocide perpetrated against the people of Syria by the regime of

President Bashar al-Assad, violent extremist groups, and other combatants involved in the conflict, including programs—

(i) to train investigators within and outside of Syria on how to document, investigate, develop findings of, and identify and locate alleged perpetrators of war crimes, crimes against humanity, or genocide, including—

(I) the number of United States Government or contract personnel currently designated to work full-time on these issues; and

(II) the identification of the authorities and appropriations being used to support such training efforts;

(ii) to promote and prepare for a transitional justice process or processes for the perpetrators of war crimes, crimes against humanity, and genocide in Syria beginning in March 2011;

(iii) to document, collect, preserve, and protect evidence of war crimes, crimes against humanity, and genocide in Syria, including support for Syrian, foreign, and

international nongovernmental organizations, and other entities, including the International, Impartial and Independent Mechanism to Assist in the Investigation and Prosecution of Persons Responsible for the Most Serious Crimes under International Law Committed in the Syrian Arab Republic since March 2011 and the Independent International Commission of Inquiry on the Syrian Arab Republic; and

(iv) to assess the influence of accountability measures on efforts to reach a negotiated settlement to the Syrian conflict during the reporting period.

(3) FORM.—The report required under paragraph (1) may be submitted in unclassified or classified form, but shall include a publicly available annex.

(4) PROTECTION OF WITNESSES AND EVIDENCE.—The Secretary shall take due care to ensure that the identification of witnesses and physical evidence are not publicly disclosed in a manner that might place such persons at risk of harm or encourage the destruction of evidence by the Government of Syria, violent extremist groups, anti-government

forces, or any other combatants or participants in the conflict.

(d) TRANSITIONAL JUSTICE STUDY.—Not later than 180 days after the date of the enactment of this Act, the Secretary of State (acting through appropriate officials and offices, which may include the Office of Global Criminal Justice), after consultation with the Department of Justice, the United States Agency for International Development, and other appropriate Federal agencies, shall—

(1) complete a study of the feasibility and desirability of potential transitional justice mechanisms for Syria, including a hybrid tribunal, to address war crimes, crimes against humanity, and genocide perpetrated in Syria beginning in March 2011; and

(2) submit a detailed report of the results of the study conducted under paragraph (1), including recommendations on which transitional justice mechanisms the United States Government should support, why such mechanisms should be supported, and what type of support should be offered, to—

(A) the Committee on Foreign Relations of the Senate;

(B) the Committee on Foreign Affairs of the House of Representatives;

(C) the Committee on Appropriations of the Senate; and

(D) the Committee on Appropriations of the House of Representatives.

(e) TECHNICAL ASSISTANCE AUTHORIZED.—

(1) IN GENERAL.—The Secretary of State (acting through appropriate officials and offices, which may include the Office of Global Criminal Justice), after consultation with the Department of Justice and other appropriate Federal agencies, is authorized to provide appropriate assistance to support entities that, with respect to war crimes, crimes against humanity, and genocide perpetrated by the regime of President Bashar al-Assad, all forces fighting on its behalf, and all non-state armed groups fighting in the country, including violent extremist groups in Syria beginning in March 2011—

(A) identify suspected perpetrators of war crimes, crimes against humanity, and genocide;

(B) collect, document, and protect evidence of crimes and preserve the chain of custody for such evidence;

(C) conduct criminal investigations;

(D) build Syria's investigative and judicial capacities and support prosecutions in the do-

mestic courts of Syria, provided that President Bashar al-Assad is no longer in power;

(E) support investigations by third-party states, as appropriate; or

(F) protect witnesses that may be helpful to prosecutions or other transitional justice mechanisms.

(2) ADDITIONAL ASSISTANCE.—The Secretary of State, after consultation with appropriate Federal agencies and the appropriate congressional committees, and taking into account the findings of the transitional justice study required under subsection (e), is authorized to provide assistance to support the creation and operation of transitional justice mechanisms, including a potential hybrid tribunal, to prosecute individuals suspected of committing war crimes, crimes against humanity, or genocide in Syria beginning in March 2011.

(3) BRIEFING.—The Secretary of State shall provide detailed, biannual briefings to the appropriate congressional committees describing the assistance provided to entities described in paragraph (1).

(f) STATE DEPARTMENT REWARDS FOR JUSTICE PROGRAM.—Section 36(b)(10) of the State Department Basic Authorities Act of 1956 (22 U.S.C. 2708(b)(10)) is amended

by inserting "(including war crimes, crimes against humanity, or genocide committed in Syria beginning in March 2011)" after "genocide".

(g) INDEPENDENT INTERNATIONAL COMMISSION OF INQUIRY ON THE SYRIAN ARAB REPUBLIC.—The Secretary of State, acting through the United States Permanent Representative to the United Nations, should use the voice, vote, and influence of the United States at the United Nations to advocate that the United Nations Human Rights Council, while the United States remains a member, annually extend the mandate of the Independent International Commission of Inquiry on the Syrian Arab Republic until the Commission has completed its investigation of all alleged violations of international human rights laws beginning in March 2011 in the Syrian Arab Republic.

(h) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term "appropriate congressional committees" means—

(A) the Committee on Foreign Relations of the Senate;

(B) the Committee on Armed Services of the Senate;

(C) the Committee on Foreign Affairs of the House of Representatives; and

(D) the Committee on Armed Services of the House of Representatives.

(2) GENOCIDE.—The term "genocide" means any offense described in section 1091(a) of title 18, United States Code.

(3) HYBRID TRIBUNAL.—The term "hybrid tribunal" means a temporary criminal tribunal that involves a combination of domestic and international lawyers, judges, and other professionals to prosecute individuals suspected of committing war crimes, crimes against humanity, or genocide.

(4) TRANSITIONAL JUSTICE.—The term "transitional justice" means the range of judicial, non-judicial, formal, informal, retributive, and restorative measures employed by countries transitioning out of armed conflict or repressive regimes—

(A) to redress legacies of atrocities; and

(B) to promote long-term, sustainable peace.

(5) WAR CRIME.—The term "war crime" has the meaning given the term in section 2441(c) of title 18, United States Code.

SEC. 6204. CLARIFICATION OF LIMITATION ON THE TRANSFER OF THE F–35 TO TURKEY.

The limitation on the transfer of the F–35 to Turkey in section 1269(c) shall apply to the transfer or delivery

of that aircraft to Turkey rather than to the transfer of title for that aircraft to Turkey.

SEC. 6205. REPORT ON HONDURAS, GUATEMALA, AND EL SALVADOR.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Director of National Intelligence, shall submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report regarding narcotics trafficking corruption and illicit campaign finance in Honduras, Guatemala, and El Salvador.

(b) MATTERS TO BE INCLUDED.—The report required under subsection (a) shall include—

(1) the names of senior government officials in Honduras, Guatemala, and El Salvador who are known to have committed or facilitated acts of grand corruption or narcotics trafficking;

(2) the names of elected officials in Honduras, Guatemala, and El Salvador who are known to have received campaign funds that are the proceeds of narco-trafficking or other illicit activities in the last 2 years; and

(3) the names of individuals in Honduras, Guatemala, and El Salvador who are known to have facilitated the financing of political campaigns in any of the Northern Triangle countries with the proceeds of narco-trafficking or other illicit activities in the last 2 years.

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

SEC. 6206. REPORT ON ARMS EMBARGO ON CYPRUS.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense and the Secretary of State shall jointly submit to the appropriate congressional committees a report on the current impact of the United States arms embargo on the Republic of Cyprus.

(b) MATTERS TO BE INCLUDED.—The report required under subsection (a) shall include the following:

(1) A list of items that have been requested by Cyprus from the United States, but have been denied under the arms embargo referred to in such subsection.

(2) An analysis of the impact that lifting the arms embargo would have on United States interests

related to the island of Cyprus and the Eastern Mediterranean region.

(3) An analysis of how the arms embargo is being complied with in areas controlled by Cyprus, and in occupied northern Cyprus, and whether any party has violated the letter or spirit of the arms embargo.

(4) An analysis of how the arms embargo against Cyprus impacts the ability of the United States and its partners to combat threats in the Mediterranean region.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means—

(1) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives; and

(2) the Committee on Armed Services and the Committee on Foreign Relations of the Senate.

TITLE LXVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

SEC. 6601. TECHNICAL CORRECTIONS TO CERTAIN CYBERSPACE MATTERS.

(a) SCOPE OF POLICY OF THE UNITED STATES ON CYBERSPACE, CYBERSECURITY, CYBER WARFARE, AND CYBER DETERRENCE.—The policy of the United States on cyberspace, cybersecurity, cyber warfare, and cyber deterrence under section 1621(a) shall apply to cyber attacks and malicious cyber activities described in that section by a foreign power rather than to any cyber attacks and malicious cyber activities described in that section.

(b) SCOPE OF AUTHORITY TO DISRUPT, DEFEAT, AND DETER CYBER ATTACKS OF THE RUSSIAN FEDERATION.—The authority to disrupt, defeat, and deter cyber attacks of the Russian Federation in section 1623(a)(1) shall apply to authority to take appropriate and proportional action described in that section in foreign cyberspace rather than in any cyberspace.

SEC. 6602. TIER 1 EXERCISE OF SUPPORT TO CIVIL AUTHORITIES FOR A CYBER INCIDENT.

(a) IN GENERAL.—The Commander of the United States Cyber Command, the Commander of United States Northern Command, and such other commands or compo-

nents of the Department of Defense as the Secretary of Defense considers appropriate, shall, consistent with the recommendations made by the Comptroller General of the United States in the Government Accountability Office report GAO–16–574, conduct a tier 1 exercise of support to civil authorities for a cyber incident.

(b) ELEMENTS.—The exercise required by subsection (a) shall include the following:

(1) Department level leadership and decision-making for providing cyber support to civil authorities.

(2) Testing of the policy, guidance, doctrine and other elements in the Department of Defense Cyber Incident Coordinating Procedure.

(3) Operational planning and execution by the Joint Staff and supported and supporting combatant commands.

(4) Coordination with, and incorporation of, as appropriate, the Department of Homeland Security, the Federal Bureau of Investigation, and elements across Federal and State governments and the private sector.

SEC. 6603. REPORT ON STRENGTHENING NATO CYBER DEFENSE.

(a) SENSE OF SENATE.—It is the sense of the Senate that the Department of Defense should continue to cooperate with the North Atlantic Treaty Organization (NATO) and key Organization allies in order to promote the common defense in the cyberspace domain as well as to deter cyberattacks.

(b) REPORT REQUIRED.—

(1) IN GENERAL.—Not later than March 31, 2019, the Secretary of Defense shall submit to the congressional defense committees a report detailing the Department's efforts to enhance the United States' leadership and collaboration with the North Atlantic Treaty Organization with respect to the development of a comprehensive, cross-domain strategy to build cyber-defense capacity and deter cyber attacks among Organization member countries.

(2) CONTENTS.—The report required by paragraph (1) shall address the following:

(A) Improving cyber situational awareness among Organization member countries.

(B) Implementation of the cyber operational-domain roadmap of the Organization with respect to doctrine, political oversight and

governance, planning, rules of engagement, and integration across member countries.

(C) Planned cooperative efforts to combat information warfare across Organization member countries.

(D) The development of cyber capabilities, including cooperative development efforts and technology transfer.

(E) Supporting stronger cyber partnerships with non-Organization member countries as appropriate.

SEC. 6604. BRIEFING ON CYBER EDUCATION AND TRAINING.

(a) SENSE OF THE SENATE.—It is the sense of the Senate that—

(1) traditional approaches to cyber training focused solely on tactics, techniques, and procedures that hackers have used in the past may be inadequate for the challenges facing the cyber workforce of the Department of Defense because they fail to focus on future threats;

(2) such workforce encounters an information gap when conducting training derived from events that have already occurred rather than training developed for the evolving nature of cyber threats in real time, and cyber certifications such as Security + and

CISSP are based on preventing vulnerabilities, exploits, and gaps identified in the past and lose relevance depending on when the courseware was updated;

(3) bridging the gap in cyber training between curriculum that has been built on legacy data versus training built on current real world cyberattacks is a meaningful area of cyber training research, curriculum development, and instruction delivery that should be addressed; and

(4) universities and private industry are, and will continue to be, critical partners in the education and training of our future cyber force, and developing partnerships with such universities and industry will be crucial in staying informed of the latest best practices in the cyber domain.

(b) BRIEFING REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall brief the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives on how the Department of Defense can leverage and partner with universities and industry on cyber education and training.

(c) ELEMENTS.—The briefing required by subsection (a) shall include discussion of the following:

(1) Current partnerships and ability to expand and leverage such partnerships to improve cyber education and training.

(2) Existing curriculum relating to cyber education and training and recommendations for changes to ensure relevance of such education and training to future threats.

(3) Joint development of curriculum, courseware, and research projects.

(4) Joint use of instructors and of facilities.

(5) Recommendations for legislative or administrative action to improve cyber education and training partnerships.

SEC. 6605. REPORT ON DEVELOPMENT OF LONG-RANGE STAND-OFF WEAPON.

(a) REPORT REQUIRED.—Not later than 90 days after the date of the enactment of this Act, and every 180 days thereafter until December 31, 2024, the Secretary of the Air Force shall, in coordination with the Administrator for Nuclear Security, submit to the congressional defense committees a report describing the joint development of the long-range stand-off weapon, including the missile developed by the Air Force and the W80–4 warhead life extension program conducted by the National Nuclear Security Administration.

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

(1) An estimate of the date on which the long-range stand-off weapon will reach initial operating capability.

(2) A description of any development milestones for the missile developed by the Air Force or the warhead developed by the National Nuclear Security Administration that depend on corresponding progress at the other agency.

(3) A description of coordination efforts between the Air Force and the National Nuclear Security Administration during the 180 days preceding submission of the report.

(4) A description of any schedule delays projected by the Air Force or the National Nuclear Security Administration and the anticipated effect such delays would have on the other agency's schedule of work.

(5) Plans to mitigate the effects of any delays described in paragraph (4).

(6) A description of any ways, including through the availability of additional funding or authorities, in which the development milestones described in paragraph (2) or the estimated date of initial oper-

ating capability referred to in paragraph (1), could be achieved more quickly.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form but may include a classified annex.

TITLE LXVII—COMMITTEE ON FOREIGN INVESTMENT IN THE UNITED STATES

SEC. 6701. INEFFECTIVENESS OF SECTION 1727.

Section 1727, relating to a prohibition on modification of civil penalties under export control and sanctions laws, shall have no force or effect.

SEC. 6702. PROHIBITION ON MODIFICATION OF CIVIL PENALTIES UNDER EXPORT CONTROL AND SANCTIONS LAWS AND PROHIBITION ON CERTAIN TELECOMMUNICATIONS EQUIPMENT.

(a) PROHIBITION ON MODIFICATION OF PENALTIES.—

(1) IN GENERAL.—Notwithstanding any other provision of law, no Federal official may modify any penalty, including a penalty imposed pursuant to a denial order, implemented by the Government of the United States with respect to a Chinese telecommunications company pursuant to a determination that the company has violated an export control or sanctions law of the United States until the date that is

30 days after the President certifies to the appropriate congressional committees that the company—

(A) has not, for a period of one year, conducted activities in violation of the laws of the United States; and

(B) is fully cooperating with investigations into the activities of the company conducted by the Government of the United States, if any.

(2) REINSTATEMENT OF PENALTIES OR SUSPENDED ORDER.—

(A) IN GENERAL.—If, before the date of the enactment of this Act, any penalty imposed pursuant to the order of the Acting Assistant Secretary of Commerce for Export Enforcement entitled "Order Activating Suspended Denial Order Relating to Zhongxing Telecommunications Equipment Corporation and ZTE Kangxun Telecommunications Ltd." (83 Fed. Reg. 17644), and dated April 15, 2018, is reduced or eliminated, or that order is suspended, on such date of enactment, that penalty shall be reinstated to the penalty in place before such reduction or elimination, or that order shall be reinstated, as the case may be.

(B) ADDITIONAL MODIFICATIONS.—Any modification to a penalty imposed pursuant to the order described in subparagraph (A) on or after the date of the enactment of this Act shall be subject to the requirements of paragraph (1).

(b) PROHIBITION ON USE OR PROCUREMENT.—The head of an executive agency may not—

(1) procure or obtain or extend or renew a contract to procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system; or

(2) enter into a contract (or extend or renew a contract) with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

(c) PROHIBITION ON LOAN AND GRANT FUNDS.—The head of an executive agency may not obligate or expend loan or grant funds to procure or obtain, extend or renew a contract to procure or obtain, or enter into a contract (or extend or renew a contract) to procure or obtain the equipment, services, or systems described in subsection (b).

(d) EFFECTIVE DATES.—The prohibitions under subsection (b)(1) and subsection (c) shall take effect 180 days after the date of the enactment of this Act and the prohibition under subsection (b)(2) shall take effect three years after the date of the enactment of this Act.

(e) RULE OF CONSTRUCTION.—Nothing in subsection (b) or (c) shall be construed to—

(1) prohibit the head of an executive agency from procuring with an entity to provide a service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) cover telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(f) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term "appropriate congressional committees'" means—

(A) the Committee on Banking, Housing, and Urban Affairs and the Committee on Foreign Relations of the Senate; and

(B) the Committee on Financial Services and the Committee on Foreign Affairs of the House of Representatives.

(2) COVERED FOREIGN COUNTRY.—The term "covered foreign country" means the People's Republic of China.

(3) COVERED TELECOMMUNICATIONS EQUIPMENT OR SERVICES.—The term "covered telecommunications equipment or services" means any of the following:

(A) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

(B) Telecommunications services provided by such entities or using such equipment.

(C) Telecommunications equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

(4) EXECUTIVE AGENCY.—The term "executive agency" has the meaning given the term in section 133 of title 41, United States Code.

(g) TREATMENT OF PROVISION RELATING TO PROHIBITION ON CERTAIN TELECOMMUNICATIONS EQUIPMENT.—Section 891, relating to a prohibition on certain telecommunications equipment, shall have no force or effect.

TITLE LXXVIII—MILITARY CONSTRUCTION AND GENERAL PROVISIONS

SEC. 6801. CLARIFICATION TO INCLUDE NATIONAL GUARD INSTALLATIONS IN READINESS AND ENVIRONMENTAL PROTECTION INTEGRATION PROGRAM.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) State-owned National Guard installations have always qualified as military installations under section 2684a of title 10, United States Code; and

(2) State-owned National Guard installations should continue to qualify as military installations under section 2684a of that section.

(b) CLARIFICATION.—

(1) IN GENERAL.—Section 2684a(a) of title 10, United States Code, is amended by inserting ", as

well as a State-owned National Guard installation," after "military installation".

(2) RETROACTIVE EFFECT.—The amendment made by paragraph (1) shall take effect as of December 2, 2002.

SEC. 6802. RELEASE OF RESTRICTIONS, UNIVERSITY OF CALIFORNIA, SAN DIEGO.

(a) RELEASE.—The Secretary of the Navy may, upon receipt of full consideration as provided in subsection (b), release to the Regents of the University of California (in this section referred to as the "University of California") all remaining right, title, and interest of the United States, including restrictions on use imposed by deed or otherwise and reversionary rights, in and to a parcel of real property consisting of approximately 495 acres that comprises part of the San Diego campus of the University of California.

(b) CONSIDERATION.—

(1) CONSIDERATION REQUIRED.—As consideration for the release under subsection (a), the University of California shall provide an amount that is acceptable to the Secretary of the Navy, whether by cash payment, in-kind consideration as described under paragraph (2), or a combination thereof, at such time as the Secretary may require. The consideration under this paragraph shall be based on an appraisal

approved by the Secretary of the value to the Department of the Navy of the restrictions released under subsection (a), except that in determining the value of such restrictions, there shall be excluded the value of any existing improvements to the property made by or on behalf of the University of California and the value of the University of California's existing rights to the property.

(2) IN-KIND CONSIDERATION.—In-kind consideration provided by the University of California under paragraph (1) may include goods or services that benefit the Department of the Navy and may take into consideration the value which has accrued to the Department of the Navy from the San Diego campus of the University of California's research, education, and clinical care activities, as well as the contracts, grants, and other collaborations between the Department of the Navy and the San Diego campus of the University of California.

(3) TREATMENT OF CONSIDERATION RECEIVED.—Consideration in the form of cash payment received by the Secretary under paragraph (1) shall be deposited in the separate fund in the Treasury described in section 572(a)(1) of title 40, United States Code.

(c) PAYMENT OF COSTS OF RELEASE.—

(1) PAYMENT REQUIRED.—The Secretary of the Navy shall require the University of California to cover costs to be incurred by the Secretary, or to reimburse the Secretary for such costs incurred by the Secretary, to carry out the release under subsection (a), including survey costs, costs for environmental documentation related to the release, and any other administrative costs related to the release. If amounts are collected from the University of California in advance of the Secretary incurring the actual costs, and the amount collected exceeds the costs actually incurred by the Secretary to carry out the release, the Secretary shall refund the excess amount to the University of California.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received as reimbursement under paragraph (1) shall be credited to the fund or account that was used to cover the costs incurred by the Secretary in carrying out the release under subsection (a) or, if the period of availability of obligations for that appropriation has expired, to the appropriations of a fund that is currently available to the Secretary for the same purpose. 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.

(d) DESCRIPTION OF PROPERTY.—The exact acreage and legal description of the real property that is the subject of the release under subsection (a) shall be determined by a survey or other documentation satisfactory to both the Secretary of the Navy and the University of California.

(e) REVERSIONARY INTEREST.—The Secretary may amend the conveyance instrument to establish a period of applicability of a reversionary interest consistent with conveyances for educational purposes with the period commencing with the date of the original conveyance.

(f) ADDITIONAL TERMS AND CONDITIONS.—The Secretary of the Navy may require such additional terms and conditions in connection with the release under subsection (a) as the Secretary considers appropriate to protect the interests of the United States.

SEC. 6803. PLAN TO ALLOW INCREASED PUBLIC ACCESS TO THE NATIONAL NAVAL AVIATION MUSEUM AND BARRANCAS NATIONAL CEMETERY, NAVAL AIR STATION PENSACOLA.

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 plan to allow increased

public access to the National Naval Aviation Museum and Barrancas National Cemetery at Naval Air Station Pensacola.

TITLE LXXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

SEC. 7101. ADDITIONAL AMOUNTS FOR INERTIAL CONFINEMENT FUSION AND HIGH YIELD PROGRAM.

(a) IN GENERAL.—Notwithstanding the amounts specified in the funding table in section 4701, the total amount authorized to be appropriated to the Department of Energy for fiscal year 2019 for research, development, test and evaluation and available for the inertial confinement fusion and high yield program shall be $518,927,000, to be allocated as follows:

(1) Ignition, $69,575,000.

(2) Support of other stockpile programs, $22,565,000.

(3) Diagnostics, cryogenics, and experimental support, $74,194,000.

(4) Pulsed power inertial confinement fusion, $8,310,000.

(5) Joint program in high energy density laboratory plasmas, $9,492,000.

(6) Facility operations and target production, $334,791,000.

(b) OFFSET.—The amount authorized to be appropriated to the Department of Energy for fiscal year 2019 by section 3102 and available as specified in the funding table in section 4701 for defense environmental cleanup for excess facilities is hereby reduced by $100,000,000.

TITLE LXXXV—MARITIME ADMINISTRATION

SEC. 7501. INEFFECTIVENESS OF TITLE XXXV.

Title XXXV shall have no force or effect.

SEC. 7502. AUTHORIZATION OF THE MARITIME ADMINISTRATION.

(a) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated to the Department of Transportation for fiscal year 2019, to be available without fiscal year limitation if so provided in appropriations Acts, the following amounts for programs associated with maintaining the United States merchant marine:

(1) For expenses necessary for operations of the United States Merchant Marine Academy, $69,000,000 for Academy operations.

(2) For expenses necessary to support the State maritime academies, $32,200,000, of which—

(A) $2,400,000 shall remain available until September 30, 2020, for the Student Incentive Program;

(B) $6,000,000 shall remain available until expended for direct payments to such academies;

(C) $22,000,000 shall remain available until expended for maintenance and repair of State maritime academy training vessels; and

(D) $1,800,000 shall remain available until expended for training ship fuel assistance.

(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, $60,442,000, of which $5,000,000 shall remain available until expended for port infrastructure development under section 50302 of title 46, United States Code.

(5) For expenses necessary to dispose of vessels in the National Defense Reserve Fleet, $6,000,000, which shall remain available until expended.

(6) For expenses necessary to maintain and preserve a United States flag merchant marine to serve

the national security needs of the United States under chapter 531 of title 46, United States Code, $300,000,000.

(7) For expenses necessary for the loan guarantee program authorized under chapter 537 of title 46, United States Code, $33,000,000, of which—

(A) $30,000,000 may be used for the cost (as defined in section 502(5) of the Federal Credit Reform Act of 1990 (2 U.S.C. 661a(5))) of loan guarantees under the program; and

(B) $3,000,000 may be used for administrative expenses relating to loan guarantee commitments under the program.

(b) CAPITAL ASSET MANAGEMENT PROGRAM REPORT.—Not later than 180 days after the date of the enactment of this Act, the Maritime Administrator shall submit to 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 a report on the status of unexpended appropriations for capital asset management at the United States Merchant Marine Academy, and the plan for expending such appropriations.

SEC. 7503. CONCURRENT JURISDICTION.

Notwithstanding any other law, the Secretary of Transportation may relinquish, at the Secretary's discretion, to the State of New York, such measure of legislative jurisdiction over the lands constituting the United States Merchant Marine Academy in King's Point, New York, as is necessary to establish concurrent jurisdiction between the Federal Government and the State of New York. Such partial relinquishment of legislative jurisdiction shall be accomplished—

(1) by filing with the Governor of New York a notice of relinquishment to take effect upon acceptance thereof; or

(2) as the laws of that State may provide.

SEC. 7504. UNITED STATES MERCHANT MARINE ACADEMY POLICY ON SEXUAL HARASSMENT, DATING VIOLENCE, DOMESTIC VIOLENCE, SEXUAL ASSAULT, AND STALKING.

(a) POLICY ON SEXUAL HARASSMENT, DATING VIOLENCE, DOMESTIC VIOLENCE, SEXUAL ASSAULT, AND STALKING.—Section 51318 of title 46, United States Code, is amended—

(1) in subsection (a)(2)—

(A) in subparagraph (A), by inserting "and prevention" after "awareness";

(B) by redesignating subparagraph (B) as subparagraph (C), and subparagraphs (C) through (F) as subparagraphs (E) through (H), respectively;

(C) by inserting after subparagraph (A) the following:

"(B) procedures for documenting, tracking, and maintaining the data required to conduct the annual assessments to determine the effectiveness of the policies, procedures, and training program of the Academy with respect to sexual harassment, dating violence, domestic violence, sexual assault, and stalking involving cadets or other Academy personnel, as required by subsection (c);"; and

(D) by inserting after subparagraph (C), as redesignated by subparagraph (B), the following:

"(D) procedures for investigating sexual harassment, dating violence, domestic violence, sexual assault, or stalking involving a cadet or other Academy personnel to determine whether disciplinary action is necessary;";

(2) in subsection (b)(2)(A), by inserting "and other Academy personnel" after "cadets at the Academy"; and

(3) in subsection (d)—

(A) in paragraph (2)(A) by inserting ", including sexual harassment," after "sexual assaults, rapes, and other sexual offenses"; and

(B) in paragraph (4)(B), by striking "The Secretary" and inserting "Not later than January 15 of each year, the Secretary".

(b) IMPLEMENTATION.—The Superintendent of the United States Merchant Marine Academy may implement the amendment to subsection (b)(2)(A) of section 51318 of title 46, United States Code, made by subsection (a)(2), by updating an existing plan issued pursuant to the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

SEC. 7505. REPORT ON IMPLEMENTATION OF RECOMMENDATIONS FOR THE UNITED STATES MERCHANT MARINE ACADEMY SEXUAL ASSAULT PREVENTION AND RESPONSE PROGRAM.

Not later than April 1, 2019, the Maritime Administrator shall submit to 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 a report describing the progress of the Maritime Administration in im-

plementing and closing each of the recommendations made in the Office of Inspector General's Report issued March 28, 2018 (ST–2018–039) identifying gaps in the United States Merchant Marine Academy's Sexual Assault Prevention and Response Program.

SEC. 7506. REPORT ON THE APPLICATION OF THE UNIFORM CODE OF MILITARY JUSTICE TO THE UNITED STATES MERCHANT MARINE ACADEMY.

(a) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Maritime Administrator shall submit a report to 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 on the impediments to the application of the Uniform Code of Military Justice at the United States Merchant Marine Academy.

(b) CONSULTATION.—The Maritime Administrator may, in preparing the report under subsection (a), consult with the Department of Defense, other Federal agencies, and non-Federal entities, as appropriate.

SEC. 7507. ELECTRONIC RECORDS ON MARINER AVAILABILITY TO MEET NATIONAL SECURITY NEEDS.

Section 7502 of title 46, United States Code, is amended—

(1) by redesignating subsection (c) as subsection (d); and

(2) by inserting after subsection (b) the following:

"(c) The Secretary shall coordinate with the Secretary of Transportation to ensure that, to the extent feasible, electronic records provide information on mariner availability and respective credentials to meet national security needs for credentialed mariners crewing strategic sealift vessels.".

SEC. 7508. SMALL SHIPYARD GRANTS.

Section 54101(b) of title 46, United States Code, is amended—

(1) by redesignating paragraphs (2) and (3) as paragraphs (3) and (4), respectively;

(2) by inserting after paragraph (1) the following:

"(2) TIMING OF GRANT NOTICE.—The Administrator shall post a Notice of Funding Opportunity regarding grants awarded under this section not more than 15 days after the date of enactment of the appropriations Act for the fiscal year concerned."; and

(3) in paragraph (4), as redesignated by paragraph (1), by striking "paragraph (2)" and inserting "paragraph (3)".

SEC. 7509. DOMESTIC SHIP RECYCLING FACILITIES.

Section 3502 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (Public Law 106–398; 54 U.S.C. 308704 note) is amended—

(1) by redesignating subsections (c) through (f) as subsections (d) through (g), respectively; and

(2) by inserting after subsection (b) the following:

"(c) SCRAPPING OF IMPORTED VESSELS.—

"(1) IN GENERAL.—Notwithstanding any other provision of law, domestic ship scrapping facilities selected by the Secretary of Transportation in accordance with subsection (b) may import into the United States, for the purpose of dismantling, marine vessels that contain regulated levels of polychlorinated biphenyls that are integral to a vessel's structure, equipment, or systems necessary for its operation.

"(2) NO TSCA PRIOR AUTHORIZATION REQUIRED.—In lieu of rulemaking by the Administrator of the Environmental Protection Agency under section 6(e) of the Toxic Substances Control Act (15 U.S.C. 2605(e)), imports of vessels containing regulated levels

of polychlorinated biphenyls shall be subject to prior notification and consent in accordance with this subsection.

"(3) NOTIFICATION.—

"(A) CONTENTS.—An importer of 1 or more vessels containing regulated levels of polychlorinated biphenyls shall submit a notification to the Environmental Protection Agency not less than 75 days before a vessel is imported into the United States under this subsection. The import notification may cover up to one year of shipments of vessels containing regulated levels of polychlorinated biphenyls being sent to the same ship scrapping facility, and shall contain, at a minimum, the following items:

"(i) The name, contact name, address, telephone number, email address, and EPA Identification Number (if applicable) of the ship scrapping facility and the recognized trader, if the ship scrapping facility is not the importer.

"(ii) The name, contact name, address, telephone number, email address, and EPA Identification Number (if applicable) of each facility where polychlorinated

biphenyls or hazardous materials contained on a vessel will be stored and disposed of, including any polychlorinated biphenyls storage or disposal facility approved under the Toxic Substances Control Act (15 U.S.C. 2601 et seq.).

"(iii) The types of polychlorinated biphenyls or polychlorinated biphenyls items expected to be removed from the vessels.

"(iv) The number of vessels proposed for import and maximum tonnage.

"(v) The period of time covered by the import notice (not to exceed one year) and the start and end dates of shipment.

"(B) FORM.—Each notice under this paragraph shall be clearly marked 'PCB Waste Import Notice' and shall be submitted to the Environmental Protection Agency in such form and manner as the Environmental Protection Agency may require.

"(C) REVISED NOTIFICATION.—If an importer wishes to change any of the information specified on the original notification, the importer must submit a revised notification, con-

taining notification of the changes, to the Environmental Protection Agency.

"(4) CONSENT.—

"(A) IN GENERAL.—An importer shall not import vessels containing regulated levels of polychlorinated biphenyls until the importer has received consent from the Administrator of the Environmental Protection Agency.

"(B) TERMS.—Importers shall only import vessels under the terms of the consent issued by the Administrator of the Environmental Protection Agency under this paragraph and subject to the condition that the facility shall establish a valid written contract, chain of contracts, or equivalent arrangements with other United States facilities, where applicable, to manage the polychlorinated biphenyls and hazardous waste expected to be removed from the vessel or vessels.

"(5) REPORT TO THE ENVIRONMENTAL PROTECTION AGENCY.—Any ship scrapping facility authorized by this subsection to import vessels containing regulated levels of polychlorinated biphenyls shall file with the Administrator of the Environmental Protection Agency, not later than April 1 of each year, a

report providing, for each vessel imported in accordance with this subsection, the following information:

"(A) The vessel name and approximated tonnage.

"(B) Registration number and flag of the vessel.

"(C) The date of import.

"(D) The types, quantities, and final destination of all polychlorinated biphenyls and hazardous waste removed.

"(E) The EPA-issued consent number under which the vessel was imported.

"(6) APPLICABLE LAWS.—Once a vessel has been imported pursuant to this subsection, the manufacturing, processing, distribution in commerce, use, and disposal of any polychlorinated biphenyls and hazardous waste contained on the vessel shall be carried out in accordance with applicable Federal, State, and local laws and regulations.

"(7) AUTHORITY.—The Administrator of the Environmental Protection Agency may promulgate additional standards or procedures for the import of ships that contain regulated levels of polychlorinated biphenyls and hazardous waste, for the purpose of recycling, under this subsection, if—

"(A) the benefits of such additional standards or procedures exceed the costs of those standards or procedures;

"(B) not later than 180 days prior to promulgating such additional standards or procedures, the Administrator of the Environmental Protection Agency submits a report to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Transportation and Infrastructure of the House of Representatives demonstrating compliance with subparagraph (A) and the reasons such standards or procedures are necessary; and

"(C) the Administrator of the Environmental Protection Agency receives the concurrence of the Maritime Administrator on any such additional standards or procedures.".

SEC. 7510. SEA YEAR ON CONTRACTED VESSELS.

Section 51307 of title 46, United States Code, is amended—

(1) by striking "The Secretary" and inserting the following:

"(a) IN GENERAL.—The Secretary";

(2) in paragraph (1) of subsection (a), by striking "owned or subsidized by" and inserting "owned, subsidized by, or contracted with"; and

(3) by adding at the end the following:

"(b) MARITIME SECURITY PROGRAM VESSELS.—The Secretary shall require an operator of a vessel participating in the Maritime Security Program under chapter 531 of this title to carry on each Maritime Security Program vessel 2 United States Merchant Marine Academy cadets, if available, on each voyage.

"(c) MILITARY SEALIFT COMMAND VESSELS.—

"(1) IN GENERAL.—Except as provided in paragraph (2), the Commander of the Military Sealift Command shall require an operator of a vessel in the United States Navy's Military Sealift Command to carry on each such vessel 2 United States Merchant Marine Academy cadets, if available, on each voyage, if the vessel—

"(A) is flagged in the United States; and

"(B) is rated at 10,000 gross tons or higher.

"(2) WAIVER.—The Commander of the Military Sealift Command may waive the requirement under paragraph (1) at any time if the Commander determines that carrying a cadet from the United States

Merchant Marine Academy would place an undue burden on the vessel or the operator of the vessel.

"(d) DEFINITION OF OPERATOR.—In this section, the term 'operator' includes a government operator and a non-government operator.

"(e) SAVINGS CLAUSE.—Nothing in this section may be construed as affecting—

"(1) the discretion of the Secretary to determine whether to place a United States Merchant Marine Academy cadet on a vessel;

"(2) the authority of the Coast Guard regarding a vessel security plan approved under section 70103; or

"(3) the discretion of the master of the vessel to ensure the safety of all crew members.".

SEC. 7511. GAO REPORT ON NATIONAL MARITIME STRATEGY.

The Comptroller General of the United States shall complete a study and submit to the Committee on Commerce, Science, and Transportation of the Senate, the Committee on Armed Services of the House of Representatives, and the Committee on Transportation and Infrastructure of the House of Representatives, a report on—

(1) the key challenges, if any, to ensuring that the United States marine transportation system and

merchant marine are sufficient to support United States economic and defense needs, as articulated by the Maritime Administration, the Committee on the Marine Transportation System, and other stakeholders;

(2) the extent to which a national maritime strategy incorporates desirable characteristics of successful national strategies as identified by the Comptroller General, and any key obstacles (as identified by stakeholders) to successfully implementing such strategies; and

(3) the extent to which Federal efforts to establish national maritime strategy are duplicative or fragmented, and if so, the impact on United States maritime policy for the future.

SEC. 7512. DEPARTMENT OF TRANSPORTATION INSPECTOR GENERAL REPORT ON TITLE XI PROGRAM.

Not later than 180 days after the date of enactment of this Act, the Department of Transportation Office of Inspector General shall—

(1) initiate an audit of the financial controls and protections included in the policies and procedures of the Department of Transportation for approving loan applications for the loan guarantee pro-

gram authorized under chapter 537 of title 46, United States Code; and

(2) submit to 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 a report containing the results of that audit once the audit is completed.

SEC. 7513. MULTI-YEAR CONTRACTS.

Nothing in section 3505 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) may be construed to prohibit the Maritime Administration from entering into a multi-year contract for the procurement of up to 5 new vessels within the National Security Multi-Mission Vessel Program and associated government–furnished equipment, subject to the availability of appropriations.

SEC. 7514. USE OF STATE MARITIME ACADEMY TRAINING VESSELS.

Section 51504(g) of title 46, United States Code, is amended to read as follows:

"(g) VESSEL CAPACITY SHARING.—

"(1) IN GENERAL.—Not later than 90 days after the date of enactment of the National Defense Authorization Act for Fiscal Year 2019, the Secretary, act-

ing through the Maritime Administrator, shall upon consultation with the maritime academies, and to the extent feasible with the consent of the maritime academies, implement a program of training vessel capacity sharing, requiring maritime academies to share training vessel capacity provided by the Secretary among maritime academies, as necessary to ensure that training needs of each academy are met.

"(2) PROGRAM OF VESSEL CAPACITY SHARING.—For purposes of this subsection, a program of vessel capacity sharing shall include—

"(A) ways to maximize the available underway training capacity available in the fleet of training vessels;

"(B) coordinating the dates and duration of training cruises with the academic calendars of maritime academies;

"(C) coordinating academic programs designed to be implemented aboard training vessels among maritime academies; and

"(D) identifying ways to minimize costs.

"(3) EVALUATION.—Not later than 30 days after the beginning of each fiscal year, the Secretary, acting through the Maritime Administrator, shall evaluate the vessel capacity sharing program under this sub-

section to determine the optimal utilization of State maritime training vessels, and modify the program as necessary to improve utilization.".

SEC. 7515. PERMANENT AUTHORITY OF SECRETARY OF TRANSPORTATION TO ISSUE VESSEL WAR RISK INSURANCE.

(a) IN GENERAL.—Section 53912 of title 46, United States Code, is repealed.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 539 of title 46, United States Code, is amended by striking the item relating to section 53912.

SEC. 7516. NAVIGATION SYSTEM STUDY AND REPORT.

(a) STUDY OF THE GREAT LAKES SYSTEM.—

(1) IN GENERAL.—The Comptroller General of the United States shall conduct a comprehensive study of the Great Lakes-Saint Lawrence Seaway navigation system (referred to in this section as the "Great Lakes System") that examines the current state of the system and makes recommendations for improvements.

(2) CONTENTS.—The study—

(A) shall examine, with respect to the Great Lakes System—

(i) typical cargo routing options;

(ii) the cost profile of each route and alternative routes;

(iii) port infrastructure quality;

(iv) intermodal connections;

(v) competing transportation options, including air, rail, and ground transportation and their relative market position;

(vi) taxes and fees imposed on vessels;

(vii) marketing efforts to increase shipments;

(viii) subsidies provided to the Great Lakes System and to competing cargo transportation systems;

(ix) the condition of the docks at each port;

(x) United States and Canadian Government icebreaking capabilities to facilitate commercial shipping;

(xi) the maritime safety and marine casualty statistics for commercial vessels transiting the Great Lakes System; and

(xii) the condition of vessel navigation infrastructure (such as channels, locks, jetties, and breakwaters) and efforts to main-

tain, upgrade, or replace that infrastructure; and

(B) shall make recommendations on—

(i) the level of additional investment needed to improve the Great Lakes System;

(ii) any benefits of increased Federal or State investment in the Great Lakes System; and

(iii) any regulatory or competitive burdens impeding growth of the Great Lakes System.

(b) REPORT.—Not later than 1 year after the date of the enactment of this Act, the Comptroller General shall submit to the Committee on Commerce, Science, and Transportation of the Senate, the Committee on Transportation and Infrastructure of the House of Representatives, and the Co-Chairs of the Great Lakes Task Force of the Senate and of the House of Representatives a report containing the results of the study conducted under this section.

SEC. 7517. MISCELLANEOUS.

(a) NONCOMMERCIAL VESSELS.—Section 3514(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 46 U.S.C. 51318 note) is amended—

(1) by striking "Not later than" and inserting the following:

"(1) IN GENERAL.—Not later than"; and

(2) by redesignating paragraphs (1) and (2) as subparagraphs (A) and (B), respectively, and adjusting the margins accordingly; and

(3) by adding at the end the following:

"(2) NONCOMMERCIAL VESSELS.—For the purposes of this section, vessels operated by any of the following entities shall not be considered commercial vessels:

"(A) Any entity or agency of the United States.

"(B) The government of a State or territory.

"(C) Any political subdivision of a State or territory.

"(D) Any other municipal organization.".

(b) PASSENGER RECORDS.—Section 51322(c) of title 46, United States Code, is amended to read as follows:

"(c) MAINTENANCE OF SEXUAL ASSAULT TRAINING RECORDS.—The Maritime Administrator shall require the owner or operator of a commercial vessel, or the seafarer union for a commercial vessel, to maintain records of sexual

assault training for any person required to have such training.".

(c) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.—Section 3134 of title 40, United States Code, is amended by adding at the end the following:

"(c) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.—The Secretary of Commerce may waive this subchapter with respect to contracts for the construction, alteration, or repair of vessels, regardless of the terms of the contracts as to payment or title, when the contract is made under the Act entitled 'An Act to define the functions and duties of the Coast and Geodetic Survey, and for other purposes', approved August 6, 1947 (33 U.S.C. 883a et seq.).".

(d) ANNUAL PAYMENTS FOR MAINTENANCE AND SUPPORT.—Section 51505(b)(2) of title 46 is amended to read as follows:

"(2) MAXIMUM.—The amount under paragraph (1) may not be more than $25,000, unless the academy satisfies section 51506(b) of this title.".

SEC. 7518. SUPERIOR NATIONAL FOREST LAND EXCHANGE.

(a) PURPOSE AND NEED FOR NORTHMET LAND EXCHANGE.—

(1) PURPOSE.—It is the purpose of this section to further the public interest by consummating the

NorthMet Land Exchange as specifically set forth in this section.

(2) NEED.—According to the Final Record of Decision, the NorthMet Land Exchange is advisable and needed because the NorthMet Land Exchange will—

(A) result in a 40-acre net gain in National Forest System lands;

(B) improve the spatial arrangement of National Forest System lands by reducing the amount of ownership boundaries to be managed by 33 miles;

(C) improve management effectiveness by exchanging isolated Federal lands with no public overland access for non-Federal lands that will have public overland access and be accessible and open to public use and enjoyment;

(D) result in Federal cost savings by eliminating certain easements and their associated administration costs;

(E) meet several of the priorities identified in the land and resource management plan for Superior National Forest to protect and manage administratively or congressionally designated, unique, proposed, or recommended areas, includ-

ing acquisition of 307 acres of land to the administratively proposed candidate Research Natural Areas, which are managed by preserving and maintaining areas for ecological research, observation, genetic conservation, monitoring, and educational activities;

(F) promote more effective land management that would meet specific National Forest needs for management, including acquisition of over 6,500 acres of land for new public access, watershed protection, ecologically rare habitats, wetlands, water frontage, and improved ownership patterns;

(G) convey Federal land generally not needed for other Forest resource management objectives, because such land is adjacent to intensively developed private land including ferrous mining areas, where abundant mining infrastructure and transportation are already in place, including—

(i) a large, intensively developed open pit mine lying directly to the north of the Federal land;

(ii) a private mine railroad, powerlines, and roads lying directly to the south of the Federal land; and

(iii) already existing ore processing, milling, and tailings facilities located approximately 5 miles to the west of the Federal land; and

(H) provide a practical resolution to complex issues pertaining to the development of private mineral rights underlying the Federal land surface, and thereby avoid potential litigation which could adversely impact the status and management of the Federal land and other National Forest System land acquired under the authority of section 6 of the Act of March 1, 1911 (commonly known as the Weeks Law; 16 U.S.C. 515).

(b) DEFINITIONS.—In this section:

(1) COLLECTION AGREEMENTS.—The term "Collection Agreements" means the following agreements between the Secretary and Poly Met pertaining to the NorthMet Land Exchange:

(A) The agreement dated August 25, 2015.

(B) The agreement dated January 15, 2016.

(2) FEDERAL LAND PARCEL.—The term "Federal land parcel" means all right, title, and interest of the United States in and to approximately 6,650 acres of National Forest System land, as identified in the Final Record of Decision, within the Superior National Forest in St. Louis County, Minnesota, as generally depicted on the map entitled "Federal Land Parcel–NorthMet Land Exchange", and dated June 2017.

(3) NON-FEDERAL LAND.—The term "non-Federal land" means all right, title, and interest of Poly Met in and to approximately 6,690 acres of land in four separate tracts (comprising 10 separate land parcels in total) within the Superior National Forest to be conveyed to the United States by Poly Met in the land exchange as generally depicted on an overview map entitled "Non-Federal Land Parcels–NorthMet Land Exchange" and dated June 2017, and further depicted on separate tract maps as follows:

(A) TRACT 1.—Approximately 4,650 acres of land in St. Louis County, Minnesota, generally depicted on the map entitled "Non-Federal Land Parcels–NorthMet Land Exchange–Hay Lake Tract", and dated June 2017.

(B) TRACT 2.—Approximately 320 acres of land in 4 separate parcels in Lake County, Minnesota, generally depicted on the map entitled "Non-Federal Land Parcels–NorthMet Land Exchange–Lake County Lands", and dated June 2017.

(C) TRACT 3.—Approximately 1,560 acres of land in 4 separate parcels in Lake County, Minnesota, generally depicted on the map entitled "Non-Federal Land Parcels–NorthMet Land Exchange–Wolf Lands", and dated June 2017.

(D) TRACT 4.—Approximately 160 acres of land in St. Louis County, Minnesota, generally depicted on the map entitled "Non-Federal Land Parcel–NorthMet Land Exchange–Hunting Club Lands", dated June 2017.

(4) NORTHMET LAND EXCHANGE.—The term "NorthMet Land Exchange" means the land exchange specifically authorized and directed by subsection (c).

(5) POLY MET.—The term "Poly Met" means Poly Met Mining Corporation, Inc., a Minnesota Corporation with executive offices in St. Paul, Minnesota, and headquarters in Hoyt Lakes, Minnesota.

(6) RECORD OF DECISION.—The term "Record of Decision" means the Final Record of Decision of the

Forest Service issued on January 9, 2017, approving the NorthMet Land exchange between the United States and PolyMet Mining, Inc., a Minnesota Corporation, involving National Forest System land in the Superior National Forest in Minnesota.

(7) SECRETARY.—The term "Secretary" means the Secretary of Agriculture.

(8) STATE.—The term "State" means the State of Minnesota.

(c) NORTHMET LAND EXCHANGE.—

(1) EXCHANGE AUTHORIZED AND DIRECTED.—

(A) IN GENERAL.—Subject to subsection (d)(3)(A) and other conditions imposed by this section, if Poly Met offers to convey to the United States all right, title, and interest of Poly Met in and to the non-Federal land, the Secretary shall accept the offer and convey to Poly Met all right, title, and interest of the United States in and to the Federal land parcel.

(B) LAND EXCHANGE EXPEDITED.—Subject to the conditions imposed by this section, the NorthMet Land Exchange directed by this section shall be consummated not later than 90 days after the date of enactment of this Act.

(2) FORM OF CONVEYANCE.—

(A) NON-FEDERAL LAND.—Title to the non-Federal land conveyed by Poly Met to the United States shall be by general warranty deed subject to existing rights of record, and otherwise conform to the title approval regulations of the Attorney General of the United States.

(B) FEDERAL LAND PARCEL.—The Federal land parcel shall be quitclaimed by the Secretary to Poly Met by an exchange deed.

(3) EXCHANGE COSTS.—

(A) REIMBURSEMENT REQUIRED.—Poly Met shall pay or reimburse the Secretary, either directly or through the Collection Agreements, for all land survey, appraisal, land title, deed preparation, and other costs incurred by the Secretary in processing and consummating the NorthMet Land Exchange. The Collection Agreements, as in effect on the date of the enactment of this Act, may be modified through the mutual consent of the parties.

(B) DEPOSIT OF FUNDS.—All funds paid or reimbursed to the Secretary under subparagraph (A)—

(i) shall be deposited and credited to the accounts in accordance with the Collection Agreements;

(ii) shall be used for the purposes specified for the accounts; and

(iii) shall remain available to the Secretary until expended without further appropriation.

(4) CONDITIONS ON LAND EXCHANGE.—

(A) RESERVATION OF CERTAIN MINERAL RIGHTS.—Notwithstanding paragraph (1), the United States shall reserve the mineral rights on approximately 181 acres of the Federal land parcel as generally identified on the map entitled "Federal Land Parcel–NorthMet Land Exchange", and dated June 2017.

(B) THIRD-PARTY AUTHORIZATIONS.—As set forth in the Final Record of Decision, Poly Met shall honor existing road and transmission line authorizations on the Federal land parcel. Upon relinquishment of the authorizations by the holders or upon revocation of the authorizations by the Forest Service, Poly Met shall offer replacement authorizations to the holders on at least equivalent terms.

(d) VALUATION OF NORTHMET LAND EXCHANGE.—

(1) APPRAISALS.—The Congress makes the following new findings:

(A) Appraisals of the Federal and non-Federal lands to be exchanged in the NorthMet Land Exchange were formally prepared in accordance with the Uniform Appraisal Standards for Federal Land Acquisitions, and were approved by the Secretary in conjunction with preparation of the November 2015 Draft Record of Decision on the NorthMet Land Exchange.

(B) The appraisals referred to in subparagraph (A) determined that the value of the non-Federal lands exceeded the value of the Federal land parcel by approximately $425,000.

(C) Based on the appraisals referred to in subparagraph (A), the United States would ordinarily be required to make a $425,000 cash equalization payment to Poly Met to equalize exchange values under the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1701 et seq.), unless such an equalization payment is waived by Poly Met.

(2) VALUES FOR CONSUMMATION OF LAND EXCHANGE.—The appraised values of the Federal and

non-Federal land determined and approved by the Secretary in November 2015, and referenced in paragraph (1)—

(A) shall be the values utilized to consummate the NorthMet Land Exchange; and

(B) shall not be subject to reappraisal.

(3) WAIVER OF EQUALIZATION PAYMENT.—

(A) CONDITION ON LAND EXCHANGE.—Notwithstanding section 206(b) of the Federal Land Policy and Management Act (43 U.S.C. 1716(b)), and as part of its offer to exchange the non-Federal lands as provided in subsection (c)(1)(A), Poly Met shall waive any payment to it of any monies owed by the United States to equalize land values.

(B) TREATMENT OF WAIVER.—A waiver of the equalization payment under subparagraph (A) shall be considered as a voluntary donation to the United States by Poly Met for all purposes of law.

(e) MAPS AND LEGAL DESCRIPTIONS.—

(1) MINOR ADJUSTMENTS.—By mutual agreement, the Secretary and Poly Met may correct minor or typographical errors in any map, acreage estimate, or description of the Federal land parcel or non-Fed-

eral land to be exchanged in the NorthMet Land Exchange.

(2) CONFLICT.—If there is a conflict between a map, an acreage estimate, or a description of land under this section, the map shall control unless the Secretary and Poly Met mutually agree otherwise.

(3) EXCHANGE MAPS.—The maps referred to in subsection (b) depicting the Federal and non-Federal lands to be exchanged in the NorthMet Land Exchange, and dated June 2017, depict the identical lands identified in the Final Record of Decision, which are on file in the Office of the Supervisor, Superior National Forest.

(f) POST-EXCHANGE LAND MANAGEMENT.—

(1) NON-FEDERAL LAND.—Upon conveyance of the non-Federal land to the United States in the NorthMet Land Exchange, the non-Federal land shall become part of the Superior National Forest and be managed in accordance with—

(A) the Act of March 1, 1911 (commonly known as the Weeks Law; 16 U.S.C. 500 et seq.); and

(B) the laws and regulations applicable to the Superior National Forest and the National Forest System.

(2) PLANNING.—Upon acquisition by the United States in the NorthMet Land Exchange, the non-Federal lands shall be managed in a manner consistent with the land and resource management plan applicable to adjacent federally owned lands in the Superior National Forest. An amendment or supplement to the land and resource management plan shall not be required solely because of the acquisition of the non-Federal lands.

(3) FEDERAL LAND.—Upon conveyance of the Federal land parcel to Poly Met in the NorthMet Land Exchange, the Federal land parcel shall become private land and available for any lawful use in accordance with applicable Federal, State, and local laws and regulations pertaining to mining and other uses of land in private ownership.

(g) MISCELLANEOUS PROVISIONS.—

(1) WITHDRAWAL OF ACQUIRED NON-FEDERAL LAND.—The non-Federal lands acquired by the United States in the NorthMet Land Exchange shall be withdrawn, without further action by the Secretary, from appropriation and disposal under public land laws and under laws relating to mineral and geothermal leasing.

(2) WITHDRAWAL REVOCATION.—Any public land order that withdraws the Federal land parcel from appropriation or disposal under a public land law shall be revoked without further action by the Secretary to the extent necessary to permit conveyance of the Federal land parcel to Poly Met.

(3) WITHDRAWAL OF FEDERAL LAND PENDING CONVEYANCE.—The Federal land parcel to be conveyed to Poly Met in the NorthMet Land Exchange, if not already withdrawn or segregated from appropriation or disposal under the mineral leasing and geothermal or other public land laws upon enactment of this Act, is hereby so withdrawn, subject to valid existing rights, until the date of conveyance of the Federal land parcel to Poly Met.

(4) ACT CONTROLS.—In the event any provision of the Record of Decision conflicts with a provision of this section, the provision of this section shall control.

Attest:

Secretary.

115th CONGRESS
2d Session

H.R. 5515

AMENDMENT

June 19, 2018

Ordered to be printed as passed