

**Calendar No. 439**115<sup>TH</sup> CONGRESS  
2<sup>D</sup> SESSION**S. 2987****[Report No. 115–262]**

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.

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**IN THE SENATE OF THE UNITED STATES**

JUNE 5, 2018

Mr. INHOFE, from the Committee on Armed Services, reported the following original bill; which was read twice and placed on the calendar

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**A BILL**

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.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

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

5 (b) REFERENCES.—Any reference in this or any  
6 other Act to the “National Defense Authorization Act for  
7 Fiscal Year 2019” shall be deemed to be a reference to  
8 the “John S. McCain National Defense Authorization Act  
9 for Fiscal Year 2019”.

10 **SEC. 2. ORGANIZATION OF ACT INTO DIVISIONS; TABLE OF**  
11 **CONTENTS.**

12 (a) DIVISIONS.—This Act is organized into four divi-  
13 sions as follows:

14 (1) Division A—Department of Defense Au-  
15 thorizations.

16 (2) Division B—Military Construction Author-  
17 izations.

18 (3) Division C—Department of Energy Na-  
19 tional Security Authorizations and Other Authoriza-  
20 tions.

21 (4) Division D—Funding Tables.

22 (b) TABLE OF CONTENTS.—The table of contents for  
23 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

#### Subtitle A—Active Forces

- 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.  
 Sec. 412. End strengths for Reserves on active duty in support of the reserves.  
 Sec. 413. End strengths for military technicians (dual status).  
 Sec. 414. Maximum number of reserve personnel authorized to be on active duty for operational support.

#### Subtitle C—Authorization of Appropriations

- 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.

### 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.
- Sec. 502. Annual defense manpower requirements report matters.
- 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.
- Sec. 504. Enhancement of availability of constructive service credit for private sector training or experience upon original appointment as a commissioned officer.
- Sec. 505. Standardized temporary promotion authority across the military departments for officers in certain grades with critical skills.
- 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.

#### 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.
- Sec. 517. Reduction in number of years of active naval service required for permanent appointment as a limited duty officer.
- 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.

Subtitle D—Military Justice Matters

- Sec. 541. Punitive article on domestic violence under the Uniform Code of Military Justice.
- Sec. 542. Inclusion of strangulation and suffocation in conduct constituting aggravated assault for purposes of the Uniform Code of Military Justice.
- Sec. 543. Authorities of Defense Advisory Committee on Investigation, Prosecution, and Defense of Sexual Assault in the Armed Forces.
- Sec. 544. Protective orders against individuals subject to the Uniform Code of Military Justice.
- Sec. 545. Expansion of eligibility for Special Victims' Counsel services.
- 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.
- Sec. 548. Uniform command action form on disposition of unrestricted sexual assault cases involving members of the Armed Forces.
- 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.

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.
- Sec. 552. Consecutive service of active service obligations for medical training with other service obligations for education or training.
- Sec. 553. Clarification of application and honorable service requirements under the Troops-to-Teachers Program to members of the Retired Reserve.
- Sec. 554. Prohibition on use of funds for attendance of enlisted personnel at senior level and intermediate level officer professional military education courses.
- Sec. 555. Repeal of program on encouragement of postseparation public and community service.
- 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

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.
- Sec. 562. Impact aid for children with severe disabilities.
- Sec. 563. Department of Defense Education Activity policies and procedures on sexual harassment of students of Activity schools.

## 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.
- Sec. 567. Expansion of period of availability of Military OneSource program for retired and discharged members of the Armed Forces and their immediate families.
- Sec. 568. Expansion of authority for noncompetitive appointments of military spouses by Federal agencies.
- Sec. 569. Improvement of My Career Advancement Account program for military spouses.
- 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.
- Sec. 571. Department of Defense Military Family Readiness Council matters.
- Sec. 572. Multidisciplinary teams for military installations on child abuse and other domestic violence.
- Sec. 573. Provisional or interim clearances to provide childcare services at military childcare centers.
- Sec. 574. Pilot program on prevention of child abuse and training on safe childcare practices among military families.
- Sec. 575. Pilot program on participation of military spouses in Transition Assistance Program activities.
- Sec. 576. Small business activities of military spouses on military installations in the United States.

## 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.
- Sec. 582. Award of medals or other commendations to handlers of military working dogs.

## 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.
- 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.
- 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.
- Sec. 594. Limitation on justifications entered by military recruiters for enlistment or accession of individuals into the Armed Forces.
- Sec. 595. National Commission on Military, National, and Public Service matters.
- Sec. 596. Burial of unclaimed remains of inmates at the United States Disciplinary Barracks Cemetery, Fort Leavenworth, Kansas.
- Sec. 597. Space-available travel on Department of Defense aircraft for veterans with service-connected disabilities rated as total.

## TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS



Subtitle A—Pay and Allowances

- Sec. 601. Fiscal year 2019 increase in military basic pay.
- Sec. 602. Repeal of authority for payment of personal money allowances to Navy officers serving in certain positions.
- 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.
- Sec. 604. Financial support for lessors under the Military Housing Privatization Initiative during 2019.
- Sec. 605. Modification of authority of President to determine alternative pay adjustment in annual basic pay of members of the uniformed services.
- Sec. 606. Eligibility of reserve component members for high-deployment allowance for lengthy or numerous deployments and frequent mobilizations.
- Sec. 607. Eligibility of reserve component members for nonreduction in pay while serving in the uniformed services or National Guard.
- Sec. 608. Temporary adjustment in rate of basic allowance for housing following identification of significant underdetermination of civilian housing costs for housing areas.

Subtitle B—Bonuses and Special and Incentive Pays

- Sec. 611. One-year extension of certain expiring bonus and special pay authorities.

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.

Subtitle D—Other Matters

- Sec. 631. Rates of per diem for long-term temporary duty assignments.
- Sec. 632. Prohibition on per diem allowance reductions based on the duration of temporary duty assignment or civilian travel.

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.
- Sec. 702. Administration of TRICARE dental plans through the Federal Employees Dental Insurance Program.
- Sec. 703. Contraception coverage parity under the TRICARE program.
- Sec. 704. Pilot program on opioid management in the military health system.
- Sec. 705. Pilot program on treatment of members of the Armed Forces for post-traumatic stress disorder related to military sexual trauma.

Subtitle B—Health Care Administration

- Sec. 711. Improvement of administration of Defense Health Agency and military medical treatment facilities.
- Sec. 712. Organizational framework of the military healthcare system to support medical requirements of the combatant commands.

- Sec. 713. Streamlining of TRICARE Prime beneficiary referral process.
- Sec. 714. Sharing of information with State prescription drug monitoring programs.
- 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.

#### Subtitle C—Reports and Other Matters

- Sec. 721. Extension of authority for Joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund.
- Sec. 722. Increase in number of appointed members of the Henry M. Jackson Foundation for the Advancement of Military Medicine.
- 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.
- Sec. 724. Pilot program on earning by special operations forces medics of credits towards a physician assistant degree.
- Sec. 725. Pilot program on partnerships with civilian organizations for specialized medical training.
- Sec. 726. Registry of individuals exposed to per- and polyfluoroalkyl substances on military installations.
- Sec. 727. Inclusion of gambling disorder in health assessments for members of the Armed Forces and related research efforts.
- Sec. 728. Comptroller General review of Defense Health Agency oversight of TRICARE managed care support contractors.

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

#### Subtitle A—Acquisition Policy and Management

- Sec. 801. Permanent Supply Chain Risk Management Authority.
- Sec. 802. Commercially available market research.
- Sec. 803. Comptroller General assessment of acquisition programs and related initiatives.

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

- Sec. 811. Department of Defense contracting dispute matters.
- Sec. 812. Continuation of technical data rights during challenges.
- Sec. 813. Increased micro-purchase threshold.
- Sec. 814. Modification of limitations on single source task or delivery order contracts.
- Sec. 815. Preliminary cost analysis requirement for exercise of multiyear contract authority.
- Sec. 816. Inclusion of best available information regarding past performance of subcontractors and joint venture partners.
- Sec. 817. Modification of criteria for waivers of requirement for certified cost and price data.
- Sec. 818. Subcontracting price and approved purchasing systems.
- Sec. 819. Comptroller General of the United States report on progress payment financing of Department of Defense contracts.
- Sec. 820. Authorization to limit foreign access to technology through contracts.
- Sec. 821. Briefing requirement on services contracts.

- 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.

Subtitle C—Provisions Relating to Major Defense Acquisition Programs

- Sec. 831. Program cost, fielding, and performance goals in planning major acquisition programs.
- Sec. 832. Implementation of recommendations of the Independent Study on Consideration of Sustainment in Weapons Systems Life Cycle.
- Sec. 833. Pilot program to accelerate major weapons system programs.

Subtitle D—Provisions Relating to Acquisition Workforce

- Sec. 841. Permanent authority for demonstration projects relating to acquisition personnel management policies and procedures.
- Sec. 842. Establishment of integrated review team on defense acquisition industry-government exchange.
- Sec. 843. Exchange program for acquisition workforce employees.

Subtitle E—Provisions Relating to Commercial Items

- Sec. 851. Report on commercial item procurement reform.

Subtitle F—Industrial Base Matters

- Sec. 861. National technology and industrial base application process.
- Sec. 862. Report on defense electronics industrial base.
- Sec. 863. Support for defense manufacturing communities to support the defense industrial base.

Subtitle G—Other Transactions

- Sec. 871. Change to notification requirement for other transactions.
- Sec. 872. Data and policy on 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.
- 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.
- 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.
- Sec. 884. Enabling and other activities of the Cloud Executive Steering Group.

Subtitle I—Other Matters

- Sec. 891. Prohibition on certain telecommunications services or equipment.
- Sec. 892. Limitation on use of funds pending submittal of report on Army Marketing and Advertising Program.
- Sec. 893. Permanent SBIR and STTR authority for the Department of Defense.
- Sec. 894. Procurement of telecommunications supplies for experimental purposes.

Sec. 895. Access by developmental and operational testing activities to data regarding modeling and simulation activity.

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.
- Sec. 902. Redesignation and modification of responsibilities of Under Secretary of Defense for Personnel and Readiness.
- Sec. 903. Modification of responsibilities of the Under Secretary of Defense for Policy.
- Sec. 904. Report on allocation of former responsibilities of the Under Secretary of Defense for Acquisition, Technology, and Logistics.
- Sec. 905. Assistant Secretary of Defense for Strategy, Plans, Assessments, Readiness, and Capabilities.
- Sec. 906. Clarification of responsibilities and duties of the Chief Information Officer of the Department of Defense.
- Sec. 907. Specification of certain duties of the Defense Technical Information Center.
- Sec. 908. Limitation on termination of, and transfer of functions, responsibilities, and activities of, the Strategic Capabilities Office.
- Sec. 909. Technical corrections to Department of Defense Test Resource Management Center authority.

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.
- Sec. 922. Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict review of United States Special Operations Command.
- Sec. 923. Qualifications for appointment as Deputy Chief Management Officer of a military department.
- Sec. 924. Expansion of principal duties of Assistant Secretary of the Navy for Research, Development, and Acquisition.
- Sec. 925. Cross-functional teams in the Department of Defense.
- 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.

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.
- Sec. 932. Responsibility for policy on civilian casualty matters.
- Sec. 933. Additional matters in connection with background and security investigations for Department of Defense personnel.
- Sec. 934. Program of expedited security clearances for mission-critical positions.
- Sec. 935. Information sharing program for positions of trust.

- Sec. 936. Report on clearance in person concept.
- Sec. 937. Strategic Defense Fellows Program.

#### Subtitle D—Other Matters

- Sec. 941. Analysis of Department of Defense business management and operations datasets to promote savings and efficiencies.
- Sec. 942. Research and development to advance capabilities of the Department of Defense in data integration and advanced analytics in connection with personnel security.

### TITLE X—GENERAL PROVISIONS

#### Subtitle A—Financial Matters

- Sec. 1001. General transfer authority.
- Sec. 1002. Inclusion of funds for Air Force pass-through items in Defense-wide budget for 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.
- Sec. 1004. Ranking of auditability of financial statements of the organizations and elements of the Department of Defense.
- Sec. 1005. Transparency of accounting firms used to support Department of Defense audit.

#### 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.
- Sec. 1012. Annual reports on examination of Navy vessels.
- Sec. 1013. Limitation on duration of homeporting of certain vessels in foreign locations.
- Sec. 1014. Specific authorization requirement for nuclear refueling of aircraft carriers.
- Sec. 1015. Dismantlement and disposal of nuclear-powered aircraft carriers.
- Sec. 1016. National Defense Sealift Fund.
- Sec. 1017. Limitation on use of funds for retirement of hospital ships.

#### 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.
- 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.
- 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.
- Sec. 1024. Extension of prohibition on use of funds to close or relinquish control of United States Naval Station, Guantanamo Bay, Cuba.
- 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.

#### Subtitle D—Miscellaneous Authorities and Limitations

- Sec. 1031. Strategic guidance documents within the Department of Defense.
- Sec. 1032. Guidance on the electronic warfare mission area and joint electromagnetic spectrum operations.
- Sec. 1033. Limitation on use of funds for United States Special Operations Command Global Messaging and Counter-Messaging platform.
- Sec. 1034. Sense of Congress on the basing of KC-46A aircraft outside the continental United States.
- Sec. 1035. Relinquishment of legislative jurisdiction of criminal offenses committed by juveniles on military installations.
- Sec. 1036. Policy on response to juvenile-on-juvenile abuse committed on military installations.

#### Subtitle E—Studies and Reports

- Sec. 1041. Report on highest-priority roles and missions of the Department of Defense and the Armed Forces.
- Sec. 1042. Annual reports by the Armed Forces on Out-Year Unconstrained Total Munitions Requirements and Out-Year inventory numbers.
- Sec. 1043. Comprehensive review of operational and administrative chains-of-command and functions of the Department of the Navy.
- Sec. 1044. Military aviation readiness review in support of the National Defense Strategy.
- Sec. 1045. Report on capabilities and capacities of Armored Brigade Combat Teams.
- Sec. 1046. Improvement of annual report on civilian casualties in connection with United States military operations.
- Sec. 1047. Report on Department of Defense participation in Export Administration Regulations license application review process.
- Sec. 1048. Automatic sunset for future statutory reporting requirements.
- Sec. 1049. Repeal of certain Department of Defense reporting requirements that otherwise terminate as of December 31, 2021.
- Sec. 1050. Report on potential improvements to certain military educational institutions of the Department of Defense.
- Sec. 1051. Recruiting costs of the Armed Forces.

#### Subtitle F—Other Matters

- Sec. 1061. Authority to transfer funds for Bien Hoa dioxin cleanup.
- Sec. 1062. Improvement of database on emergency response capabilities.
- 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.
- Sec. 1064. United States policy with respect to freedom of navigation and overflight.
- Sec. 1065. Prohibition of funds for Chinese language instruction provided by a Confucius Institute.

### 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.

- 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.
- 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.
- Sec. 1104. Enhancement of flexible management authorities for Science and Technology Reinvention Laboratories of the Department of Defense.
- 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.
- Sec. 1106. Authority to employ civilian faculty members at 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.
- Sec. 1122. Expedited hiring authority for college graduates and post secondary students.
- Sec. 1123. Increase in maximum amount of voluntary separation incentive pay authorized for civilian employees.
- Sec. 1124. One-year extension of temporary authority to grant allowances, benefits, and gratuities to civilian personnel on official duty in a combat zone.
- 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.

### 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.
- Sec. 1202. Modification to Department of Defense State Partnership Program.
- Sec. 1203. Expansion of Regional Defense Combating Terrorism Fellowship Program to include irregular warfare.
- Sec. 1204. Extension and modification of authority to support border security operations of certain foreign countries.
- Sec. 1205. Legal and policy review of advise, assist, and accompany missions.
- Sec. 1206. Technical corrections relating to defense security cooperation statutory reorganization.
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- 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.
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- 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.
- Sec. 1732. Effective date.
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- Sec. 2102. Family housing.
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- Sec. 2202. Family housing.
- Sec. 2203. Improvements to military family housing units.
- Sec. 2204. Authorization of appropriations, Navy.

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- Sec. 2801. Additional authority to obtain architectural and engineering services and construction design for defense laboratory modernization pilot program.
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- Sec. 2805. Congressional oversight of projects carried out pursuant to laws other than Military Construction Authorization Acts.

### 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.
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- Sec. 2901. Authorized Army construction and land acquisition projects.
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- Sec. 3111. Clarification of roles and authorities of National Nuclear Security Administration.
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- Sec. 3113. Amendments to the Atomic Energy Act of 1954.
- Sec. 3114. Extension of enhanced procurement authority to manage supply chain risk.
- Sec. 3115. Pilot program on conduct by Department of Energy of background reviews for access by certain individuals to national security laboratories.
- 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.
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- Sec. 3121. Modifications to cost-benefit analyses for competition of management and operating contracts.
- Sec. 3122. Review of defense environmental cleanup activities.
- Sec. 3123. Survey of workforce of national security laboratories and nuclear weapons production facilities.
- Sec. 3124. Elimination of certain reports.
- Sec. 3125. Implementation of Nuclear Posture Review by National Nuclear Security Administration.

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- Sec. 3201. Authorization.

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- Sec. 4001. Authorization of amounts in funding tables.

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- Sec. 4101. Procurement.  
 Sec. 4102. Procurement for overseas contingency operations.

TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND  
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- Sec. 4201. Research, development, test, and evaluation.  
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TITLE XLIII—OPERATION AND MAINTENANCE

- Sec. 4301. Operation and maintenance.  
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TITLE XLIV—MILITARY PERSONNEL

- Sec. 4401. Military personnel.  
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TITLE XLV—OTHER AUTHORIZATIONS

- Sec. 4501. Other authorizations.  
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TITLE XLVI—MILITARY CONSTRUCTION

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

TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY  
 PROGRAMS

- Sec. 4701. Department of Energy national security programs.

**1 SEC. 3. CONGRESSIONAL DEFENSE COMMITTEES.**

2       In this Act, the term “congressional defense commit-  
 3 tees” has the meaning given that term in section  
 4 101(a)(16) of title 10, United States Code.

**5 SEC. 4. BUDGETARY EFFECTS OF THIS ACT.**

6       The budgetary effects of this Act, for the purposes  
 7 of complying with the Statutory Pay-As-You-Go Act of  
 8 2010, shall be determined by reference to the latest state-  
 9 ment titled “Budgetary Effects of PAYGO Legislation”  
 10 for this Act, jointly submitted for printing in the Congres-  
 11 sional Record by the Chairmen of the House and Senate

1 Budget Committees, provided that such statement has  
2 been submitted prior to the vote on passage in the House  
3 acting first on the conference report or amendment be-  
4 tween the Houses.

5 **DIVISION A—DEPARTMENT OF**  
6 **DEFENSE AUTHORIZATIONS**  
7 **TITLE I—PROCUREMENT**  
8 **Subtitle A—Authorization of**  
9 **Appropriations**

10 **SEC. 101. AUTHORIZATION OF APPROPRIATIONS.**

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

15 **Subtitle B—Army Programs**

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

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

23 (b) DEPLOYMENT REQUIRED.—The Army shall de-  
24 ploy an interim, fixed site cruise missile defense capability,

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

3 (1) Two batteries by not later than September  
4 30, 2020.

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

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

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

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

19 (2) may use a combination of—

20 (A) procurement of non-developmental air  
21 and missile defense systems currently in pro-  
22 duction to ensure rapid delivery of capability;

23 (B) use of existing systems, components,  
24 and capabilities already in the Joint Force in-

1           ventory, including rockets and missiles as avail-  
2           able;

3           (C) operational information technology for  
4           communication, detection, and fire control that  
5           is certified to work with existing joint informa-  
6           tion technology systems to ensure interoper-  
7           ability;

8           (D) engagement and collaboration with  
9           science and technology, engineering, testing,  
10          and acquisition organization and activities in  
11          the Department of Defense, including the De-  
12          fense Innovation United Experimental, the Di-  
13          rector of Operational Test and Evaluation, the  
14          Defense Digital Service, the Strategic Capabili-  
15          ties Office, and the Rapid Capabilities offices,  
16          to accelerate the development, testing, and de-  
17          ployment of existing systems; and

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

20          (e) FUNDING.—Of the amount authorized to be ap-  
21          propriated for fiscal year 2019 by section 101 and avail-  
22          able for the Army for procurement as specified in the  
23          funding table in section 4101, up to \$500,000,000 may  
24          be available for the deployment of the interim capability  
25          required by subsection (b).

## 1           **Subtitle C—Navy Programs**

### 2   **SEC. 121. MULTIYEAR PROCUREMENT AUTHORITY FOR F/A-** 3                   **18E/F SUPER HORNET AND EA-18G AIRCRAFT** 4                   **PROGRAM.**

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

14           (b) **AUTHORITY FOR ADVANCE PROCUREMENT.**—The  
15 Secretary of the Navy may enter into one or more con-  
16 tracts for advance procurement associated with the F/A–  
17 18E/F Super Hornet and potential EA–18G aircraft, in-  
18 cluding economic order quantity, for which authorization  
19 to enter into a multiyear procurement contract is provided  
20 under subsection (a).

21           (c) **COST ANALYSIS REQUIREMENT.**—The Secretary  
22 may not exercise the authority provided under subsection  
23 (a) or (b) until the Secretary of Defense submits to the  
24 congressional defense committees the report and confirma-  
25 tion required under subparagraphs (A) and (B), respec-

1 tively, of section 2306b(i)(2) of title 10, United States  
2 Code.

3 (d) **CONDITION FOR OUT-YEAR CONTRACT PAY-**  
4 **MENTS.**—A contract entered into under subsection (a)  
5 shall provide that any obligation of the United States to  
6 make a payment under the contract for a fiscal year after  
7 fiscal year 2019 is subject to the availability of appropria-  
8 tions or funds for that purpose for such later fiscal year.

9 **SEC. 122. MULTIYEAR PROCUREMENT AUTHORITY FOR E-**  
10 **2D ADVANCED HAWKEYE (AHE) AIRCRAFT**  
11 **PROGRAM.**

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

21 (b) **AUTHORITY FOR ADVANCE PROCUREMENT AND**  
22 **ECONOMIC ORDER QUANTITY.**—The Secretary may enter  
23 into one or more contracts for advance procurement asso-  
24 ciated with the E-2D AHE (including economic order

1 quantity) for which authorization to enter into a multiyear  
2 procurement contract is provided under subsection (a).

3 (c) **COST ANALYSIS REQUIREMENT.**—The Secretary  
4 may not exercise the authority provided under subsection  
5 (a) or (b) until the Secretary of Defense submits to the  
6 congressional defense committees the report and confirma-  
7 tion required under subparagraphs (A) and (B), respec-  
8 tively, of section 2306b(i)(2) of title 10, United States  
9 Code.

10 (d) **CONDITION FOR OUT-YEAR CONTRACT PAY-**  
11 **MENTS.**—A contract entered into under subsection (a)  
12 shall provide that any obligation of the United States to  
13 make a payment under the contract for a fiscal year after  
14 fiscal year 2019 is subject to the availability of appropria-  
15 tions for that purpose for such later fiscal year.

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

19 Section 124 of the National Defense Authorization  
20 Act for Fiscal Year 2017 (Public Law 114–328), as  
21 amended by section 127 of the National Defense Author-  
22 ization Act for Fiscal Year 2018 (Public Law 115–91),  
23 is further amended by striking “or fiscal year 2018” and  
24 inserting “, fiscal year 2018, or fiscal year 2019”.

1 **SEC. 124. PROHIBITION ON AVAILABILITY OF FUNDS FOR**  
2 **NAVY PORT WATERBORNE SECURITY BAR-**  
3 **RIERS.**

4 (a) PROHIBITION.—Except as provided under sub-  
5 section (b), none of the funds authorized to be appro-  
6 priated by this Act or otherwise made available for the  
7 Department of Defense for fiscal year 2019 may be used  
8 for the procurement of new Navy port waterborne security  
9 barriers.

10 (b) WAIVER.—The Secretary of the Navy may waive  
11 the prohibition under subsection (a) not less than 30 days  
12 after submitting to the congressional defense commit-  
13 tees—

14 (1) a Navy requirements document that speci-  
15 fies Key Performance Parameters and Key System  
16 Attributes for new Navy port waterborne security  
17 barriers;

18 (2) a certification that the level of capability  
19 specified under paragraph (1) will meet or exceed  
20 that of legacy Navy port waterborne security bar-  
21 riers;

22 (3) the acquisition strategy for the recapitaliza-  
23 tion of legacy Navy port waterborne security bar-  
24 riers, which will meet or exceed the requirements  
25 specified under paragraph (1); and



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

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

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

13          (b) **AUTHORITY FOR ADVANCE PROCUREMENT AND**  
14          **ECONOMIC ORDER QUANTITY.**—The Secretary may enter  
15          into one or more contracts for advance procurement asso-  
16          ciated with the missiles (including economic order quan-  
17          tity) for which authorization to enter into a multiyear pro-  
18          curement contract is provided under subsection (a).

19          (c) **COST ANALYSIS REQUIREMENT.**—The Secretary  
20          may not exercise the authority provided under subsection  
21          (a) or (b) until the Secretary of Defense submits to the  
22          congressional defense committees the report and confirma-  
23          tion required under subparagraphs (A) and (B), respec-  
24          tively, of section 2306b(i)(2) of title 10, United States  
25          Code.

1 (d) CONDITION FOR OUT-YEAR CONTRACT PAY-  
2 MENTS.—A contract entered into under subsection (a)  
3 shall provide that any obligation of the United States to  
4 make a payment under the contract for a fiscal year after  
5 fiscal year 2019 is subject to the availability of appropria-  
6 tions for that purpose for such later fiscal year.

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

9 (a) LIMITATION.—None of the amounts authorized to  
10 be appropriated by this Act or otherwise made available  
11 for the Department of Defense for fiscal year 2019 may  
12 be used to exceed the total procurement quantity listed  
13 in revision five of the Littoral Combat Ship acquisition  
14 strategy unless the Under Secretary of Defense for Acqui-  
15 sition and Sustainment submits to the congressional de-  
16 fense committees the certification described in subsection  
17 (b).

18 (b) CERTIFICATION.—The certification described in  
19 this subsection is a certification by the Under Secretary  
20 that awarding a contract for the procurement of a Littoral  
21 Combat Ship that exceeds the total procurement quantity  
22 listed in revision five of the Littoral Combat Ship acqui-  
23 sition strategy—

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

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

5           (3) is necessary to maintain a full and open  
6           competition for the Guided Missile Frigate  
7           (FFG(X)) with a single source award in fiscal year  
8           2020.

9           (c) DEFINITION.—The term “revision five of the Lit-  
10          toral Combat Ship acquisition strategy” means the fifth  
11          revision of the Littoral Combat Ship acquisition strategy  
12          approved by the Under Secretary of Defense for Acquisi-  
13          tion and Sustainment on March 26, 2018.

14       **SEC. 127. NUCLEAR REFUELING OF AIRCRAFT CARRIERS.**

15          (a) AUTHORIZATION TO PROCURE NUCLEAR RE-  
16          FUELING MATERIALS.—Pursuant to section 7314a of title  
17          10, United States Code, as added by section 1014 of this  
18          Act, the Secretary of the Navy may procure naval nuclear  
19          reactor power units and associated reactor components for  
20          the following aircraft carriers:

21               (1) U.S.S. John C. Stennis (CVN–74).

22               (2) U.S.S. Harry S. Truman (CVN–75).

23               (3) U.S.S. Ronald Reagan (CVN–76).

24               (4) U.S.S. George H.W. Bush (CVN–77).

1 (b) CONDITION FOR OUT-YEAR PAYMENTS.—Any  
 2 contract entered into under subsection (a) shall provide  
 3 that any obligation of the United States to make a pay-  
 4 ment under the contract for a fiscal year after fiscal year  
 5 2019 is subject to availability of appropriations for that  
 6 purpose for that later fiscal year.

7 **SEC. 128. LIMITATION ON FUNDING FOR AMPHIBIOUS AS-**  
 8 **SAULT VEHICLE PRODUCT IMPROVEMENT**  
 9 **PROGRAM.**

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

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

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

20 **Subtitle D—Air Force Programs**

21 **SEC. 141. PROHIBITION ON AVAILABILITY OF FUNDS FOR**  
 22 **RETIREMENT OF E-8 JSTARS AIRCRAFT.**

23 (a) PROHIBITION ON AVAILABILITY OF FUNDS FOR  
 24 RETIREMENT.—Except as provided by subsection (d),  
 25 none of the funds authorized to be appropriated by this

1 Act or otherwise made available for fiscal year 2019 for  
2 the Air Force may be obligated or expended to retire, or  
3 prepare to retire, any E-8 Joint Surveillance Target At-  
4 tack Radar System aircraft.

5 (b) ADDITIONAL LIMITATION ON RETIREMENT.—

6 (1) IN GENERAL.—In addition to the prohibi-  
7 tion in subsection (a), the Secretary of the Air Force  
8 may not retire, or prepare to retire, any E-8C air-  
9 craft until the Under Secretary of Defense for Ac-  
10 quisition and Sustainment submits to the congress-  
11 sional defense committees the certification described  
12 under paragraph (2).

13 (2) REQUIRED CERTIFICATION.—The certifi-  
14 cation referred to in paragraph (1) is a certification  
15 submitted by the Under Secretary of Defense for Ac-  
16 quisition and Sustainment to the congressional de-  
17 fense committees that the Department of Defense’s  
18 plan for 21st Century Battle Management Command  
19 and Control, as briefed to the congressional defense  
20 committees in March 2018, is progressing according  
21 to the schedule presented in March 2018.

22 (c) EXCEPTION.—The prohibitions in subsections (a)  
23 and (b) shall not apply to individual E-8 Joint Surveil-  
24 lance Target Attack Radar System aircraft that the Sec-  
25 retary of the Air Force determines, on a case-by-case

1 basis, to be nonoperational because of mishaps, other dam-  
2 age, or being uneconomical to repair.

3 **SEC. 142. B-52H AIRCRAFT SYSTEM MODERNIZATION RE-**  
4 **PORT.**

5 Not later than 180 days after the date of the enact-  
6 ment of this Act, the Secretary of the Air Force shall sub-  
7 mit to the congressional defense committees a report on  
8 the long term modernization of the B-52H aircraft, in-  
9 cluding an estimated timeline and requirements as an inte-  
10 grated aircraft system of—

- 11 (1) electronic warfare and defensive systems;
- 12 (2) communications including secure jam resist-  
13 ant capability;
- 14 (3) radar replacement;
- 15 (4) engine replacement;
- 16 (5) future weapons and targeting capability;
- 17 and
- 18 (6) mission planning systems.

19 **SEC. 143. REPEAL OF FUNDING RESTRICTION FOR EC-130H**  
20 **COMPASS CALL RECAPITALIZATION PRO-**  
21 **GRAM AND REVIEW OF PROGRAM ACCELERA-**  
22 **TION OPPORTUNITIES.**

23 (a) REPEAL.—Section 131 of the National Defense  
24 Authorization Act for Fiscal Year 2017 (Public Law 114-  
25 328; 130 Stat. 2037) is repealed.

1 (b) PERIODIC REPORTS REQUIRED.—

2 (1) IN GENERAL.—Not later than December 30,  
3 2018, June 30, 2019, and December 30, 2019, the  
4 Secretary of the Air Force shall submit to the con-  
5 gressional defense committees a series of updated  
6 program status reports for the EC–130H Compass  
7 Call Recapitalization Program.

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

10 (A) a program status update describing  
11 progress in meeting current and future acquisi-  
12 tion milestones;

13 (B) a description of opportunities to accel-  
14 erate the program in fiscal years 2020 and  
15 2021;

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

19 (D) funding requirements to carry out pro-  
20 gram acceleration in order to replace the legacy  
21 EC–130H fleet as rapidly as possible; and

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

24 (i) meets the requirements of combat-  
25 ant commanders; and

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

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

6 **SEC. 151. MULTIYEAR PROCUREMENT AUTHORITY FOR C-**  
7 **130J AIRCRAFT PROGRAM.**

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

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

22 (c) CONDITION FOR OUT-YEAR CONTRACT PAY-  
23 MENTS.—A contract entered into under subsection (a)  
24 shall provide that any obligation of the United States to  
25 make a payment under the contract for a fiscal year after



1 fiscal year 2019 is subject to the availability of appropria-  
2 tions for that purpose for such later fiscal year.

3 (d) TREATMENT OF FISCAL YEAR 2018 AIRCRAFT.—  
4 The multiyear contract authority under subsection (a) in-  
5 cludes C-130J aircraft for which funds were appropriated  
6 for fiscal year 2018.

7 **SEC. 152. QUARTERLY UPDATES ON THE F-35 JOINT STRIKE**  
8 **FIGHTER PROGRAM.**

9 (a) IN GENERAL.—Beginning not later than October  
10 1, 2018, and on a quarterly basis thereafter through Octo-  
11 ber 1, 2024, the Under Secretary of Defense for Acquisi-  
12 tion and Sustainment shall provide to the congressional  
13 defense committees a briefing on the progress of the F-  
14 35 Joint Strike Fighter program.

15 (b) ELEMENTS.—Each briefing under subsection (a)  
16 shall include, with respect to the F-35 Joint Strike Fight-  
17 er program, the following elements:

18 (1) An overview of the program schedule.

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

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

24 (A) modernization;

25 (B) modification;

- 1 (C) testing;  
2 (D) delivery;  
3 (E) sustainment; and  
4 (F) program management.

5 **SEC. 153. AUTHORITY TO PROCURE ADDITIONAL POLAR-**  
6 **CLASS ICEBREAKERS.**

7 Section 122 of the National Defense Authorization  
8 Act for Fiscal Year 2018 (Public Law 115–91) is amend-  
9 ed—

10 (1) in the section heading, by striking “**ICE-**  
11 **BREAKER VESSEL**” and inserting “**AUTHORIZA-**  
12 **TION TO PROCURE UP TO SIX POLAR-CLASS**  
13 **ICEBREAKERS**”;

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

15 (3) by inserting before subsection (c) the fol-  
16 lowing new subsection:

17 “(a) **AUTHORITY TO PROCURE ICEBREAKERS.**—The  
18 Secretary of the department in which the Coast Guard is  
19 operating may, in consultation with the Secretary of the  
20 Navy, enter into a contract or contracts for the procure-  
21 ment of up to six polar-class icebreakers, including—

22 “(1) polar-class heavy icebreakers; and

23 “(2) polar-class medium icebreakers.”;

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

1 (5) in paragraph (1) of subsection (b), as redese-  
 2 ignated by paragraph (4) of this section, by striking  
 3 “subsection (a)(1)” and inserting “subsection (a)”.

4 **TITLE II—RESEARCH, DEVELOP-**  
 5 **MENT, TEST, AND EVALUA-**  
 6 **TION**

7 **Subtitle A—Authorization of**  
 8 **Appropriations**

9 **SEC. 201. AUTHORIZATION OF APPROPRIATIONS.**

10 Funds are hereby authorized to be appropriated for  
 11 fiscal year 2019 for the use of the Department of Defense  
 12 for research, development, test, and evaluation, as speci-  
 13 fied in the funding table in section 4201.

14 **Subtitle B—Program Require-**  
 15 **ments, Restrictions, and Limita-**  
 16 **tions**

17 **SEC. 211. CODIFICATION AND REAUTHORIZATION OF DE-**  
 18 **FENSE RESEARCH AND DEVELOPMENT**  
 19 **RAPID INNOVATION PROGRAM.**

20 (a) CODIFICATION.—

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

1 **“§ 2359a. Defense Research and Development Rapid**  
2 **Innovation Program**

3 “(a) PROGRAM ESTABLISHED.—(1) The Secretary of  
4 Defense shall establish a competitive, merit-based pro-  
5 gram to accelerate the fielding of technologies developed  
6 pursuant to phase II Small Business Innovation Research  
7 Program projects, technologies developed by the defense  
8 laboratories, and other innovative technologies (including  
9 dual use technologies).

10 “(2) The purpose of this program is to stimulate in-  
11 novative technologies and reduce acquisition or lifecycle  
12 costs, address technical risks, improve the timeliness and  
13 thoroughness of test and evaluation outcomes, and rapidly  
14 insert such products directly in support of primarily major  
15 defense acquisition programs, but also other defense ac-  
16 quisition programs that meet critical national security  
17 needs.

18 “(b) GUIDELINES.—The Secretary shall issue guide-  
19 lines for the operation of the program. At a minimum such  
20 guidance shall provide for the following:

21 “(1) The issuance of one or more broad agency  
22 announcements or the use of any other competitive  
23 or merit-based processes by the Department of De-  
24 fense for candidate proposals in support of defense  
25 acquisition programs as described in subsection (a).

1           “(2) The review of candidate proposals by the  
2 Department of Defense and by each military depart-  
3 ment and the merit-based selection of the most  
4 promising cost-effective proposals for funding  
5 through contracts, cooperative agreements, and  
6 other transactions for the purposes of carrying out  
7 the program.

8           “(3) The total amount of funding provided to  
9 any project under the program from funding pro-  
10 vided under subsection (d) shall not exceed  
11 \$3,000,000, unless the Secretary, or the Secretary’s  
12 designee, approves a larger amount of funding for  
13 the project.

14           “(4) No project shall receive more than a total  
15 of two years of funding under the program from  
16 funding provided under subsection (d), unless the  
17 Secretary, or the Secretary’s designee, approves  
18 funding for any additional year.

19           “(5) Mechanisms to facilitate transition of fol-  
20 low-on or current projects carried out under the pro-  
21 gram into defense acquisition programs, through the  
22 use of the authorities of section 2302e of this title  
23 or such other authorities as may be appropriate to  
24 conduct further testing, low rate production, or full

1 rate production of technologies developed under the  
2 program.

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

7 “(c) TREATMENT PURSUANT TO CERTAIN CONGRES-  
8 SIONAL RULES.—Nothing in this section shall be inter-  
9 preted to require or enable any official of the Department  
10 of Defense to provide funding under this section to any  
11 earmark as defined pursuant to House Rule XXI, clause  
12 9, or any congressionally directed spending item as defined  
13 pursuant to Senate Rule XLIV, paragraph 5.

14 “(d) FUNDING.—Subject to the availability of appro-  
15 priations for such purpose, the amounts authorized to be  
16 appropriated for research, development, test, and evalua-  
17 tion for a fiscal year may be used for such fiscal year for  
18 the program established under subsection (a).

19 “(e) TRANSFER AUTHORITY.—(1) The Secretary  
20 may transfer funds available for the program to the re-  
21 search, development, test, and evaluation accounts of a  
22 military department, defense agency, or the unified com-  
23 batant command for special operations forces pursuant to  
24 a proposal, or any part of a proposal, that the Secretary

1 determines would directly support the purposes of the pro-  
2 gram.

3 “(2) The transfer authority provided in this sub-  
4 section is in addition to any other transfer authority avail-  
5 able to the Department of Defense.”.

6 (2) CLERICAL AMENDMENT.—The table of sec-  
7 tions at the beginning of chapter 139 of such title  
8 is amended by inserting after the item relating to  
9 section 2359 the following new item:

“2359a. Defense Research and Development Rapid Innovation Program.”.

10 (b) CONFORMING AMENDMENTS.—

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

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

19 **SEC. 212. PROCEDURES FOR RAPID REACTION TO EMERG-**  
20 **ING TECHNOLOGY.**

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

1 (1) urgently needed—

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

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

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

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

10 (1) A process for streamlined communications  
11 between the the Under Secretary, the Joint Chiefs  
12 of Staff, the commanders of the combatant com-  
13 mands, the science and technology executives within  
14 each military department, and the science and tech-  
15 nology community, including—

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

20 (B) a process for the science and tech-  
21 nology community to propose technologies that  
22 meet the needs communicated by the combatant  
23 commands and the Joint Chiefs of Staff.



1           (2) Procedures for the development of tech-  
2 nologies proposed pursuant to paragraph (1)(B), in-  
3 cluding—

4           (A) a process for demonstrating perform-  
5 ance of the proposed technologies on a short  
6 timeline;

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

10          (C) a process for making investment deter-  
11 minations based on information obtained pursu-  
12 ant to subparagraphs (A) and (B).

13 **SEC. 213. ACTIVITIES ON IDENTIFICATION AND DEVELOP-**  
14 **MENT OF ENHANCED PERSONAL PROTEC-**  
15 **TIVE EQUIPMENT AGAINST BLAST INJURY.**

16 (a) **ACTIVITIES REQUIRED.**—

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

22          (2) **ACTION WITH DOTE.**—The Secretary shall  
23 undertake all actions required of the Secretary  
24 under this section jointly with the Director of Oper-  
25 ational Test and Evaluation.

1 (b) ACTIVITIES.—

2 (1) CONTINUOUS EVALUATION PROCESS.—For  
3 purposes of the activities required by subsection (a),  
4 the Secretary shall establish a process to continu-  
5 ously solicit from government, industry, academia,  
6 and other appropriate entities personal protective  
7 equipment that is ready for testing and evaluation in  
8 order to identify and evaluate equipment or clothing  
9 that is more effective in protecting members of the  
10 Armed Forces from the harmful effects of blast inju-  
11 ries, including traumatic brain injuries, and would  
12 be suitable for expedited procurement and fielding.

13 (2) GOALS.—The goals of the activities shall in-  
14 clude:

15 (A) Development of streamlined require-  
16 ments for procurement of personal protective  
17 equipment.

18 (B) Appropriate testing of personal protec-  
19 tive equipment prior to procurement and field-  
20 ing.

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

24 (D) Identification of areas of research in  
25 which increased investment has the potential to

1 improve the quality of personal protective  
2 equipment and the capability of the industrial  
3 base to produce such equipment.

4 (E) Such other goals as the Secretary con-  
5 siders appropriate.

6 (3) PARTNERSHIPS FOR CERTAIN ASSESS-  
7 MENTS.—As part of the activities, the Secretary  
8 shall establish research partnerships with appro-  
9 priate academic institutions for purposes of assess-  
10 ing the following:

11 (A) The ability of various forms of per-  
12 sonal protective equipment to protect against  
13 common blast injuries, including traumatic  
14 brain injuries.

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

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

24 (D) The extent to which the equipment de-  
25 termined through the assessment to be most ef-

1           fective to protect against common blast injuries  
2           is readily modifiable for different body types  
3           and to provide lightweight material options to  
4           enhance maneuverability.

5           (c) AUTHORITIES.—In carrying out activities under  
6 subsection (a), the Secretary may use any authority as fol-  
7 lows:

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

10          (2) Other transactions authority under section  
11 2371 and 2371b of title 10, United States Code.

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

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

17          (5) Any other authority on acquisition, tech-  
18 nology transfer, and personnel management that the  
19 Secretary considers appropriate.

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

24          (e) ON-GOING ASSESSMENT FOLLOWING ACTIVI-  
25 TIES.—After the completion of activities under subsection

1 (a), the Secretary shall, on an on-going basis, do the fol-  
2 lowing:

3 (1) Evaluate the extent to which personal pro-  
4 tective equipment identified through the activities  
5 would—

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

8 (B) enhance prevention of brain damage,  
9 and reduction of any resultant chronic brain  
10 dysfunction, from blasts in combat and train-  
11 ing.

12 (2) In the case of personal protective equipment  
13 so identified that would provide enhancements as de-  
14 scribed in paragraph (1), estimate the costs that  
15 would be incurred to procure such enhanced per-  
16 sonal protective equipment, and develop a schedule  
17 for the procurement of such equipment.

18 (3) Estimate the potential health care cost sav-  
19 ings that would occur from expanded use of personal  
20 protective equipment described in paragraph (2).

21 (f) REPORTS.—

22 (1) INITIAL REPORT.—Not later than December  
23 1, 2019, the Secretary shall submit to the Com-  
24 mittee on Armed Services of the Senate and the

1 House of Representatives a report on the activities  
2 under subsection (a) as of the date of the report.

3 (2) FINAL REPORT.—Not later than December  
4 1, 2020, the Secretary shall submit to the commit-  
5 tees of Congress referred to in paragraph (1) a re-  
6 port on the activities under this section, including  
7 the following:

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

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

12 (g) FUNDING.—Of the amount authorized to be ap-  
13 propriated for fiscal year 2019 for the Department of De-  
14 fense by section 201, up to \$10,000,000 may be available  
15 to carry out this section.

16 **SEC. 214. HUMAN FACTORS MODELING AND SIMULATION**  
17 **ACTIVITIES.**

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

22 (1) Provide warfighters and civilians with per-  
23 sonalized assessment, education, and training tools.

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

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

3           (4) Result in the development of techniques,  
4 technologies, and practices to mitigate critical  
5 stressors that impede warfighter and civilian protec-  
6 tion, sustainment, and performance.

7           (b) PURPOSE.—The overall purpose of the activities  
8 shall be to accelerate research and development that en-  
9 hances capabilities for human performance, human-sys-  
10 tems integration, and training for the warfighter.

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

13           (1) Elements of the Department of Defense en-  
14 gaged in science and technology activities.

15           (2) Program Executive Offices of the Depart-  
16 ment.

17           (3) Academia.

18           (4) The private sector.

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

21          (d) EXECUTION.—The Secretary shall carry out this  
22 section through the Army Futures Command, the Army  
23 Research Institute, or such other component of the De-  
24 partment of the Army as the Secretary considers appro-  
25 priate.

1 **SEC. 215. EXPANSION OF MISSION AREAS SUPPORTED BY**  
2 **MECHANISMS FOR EXPEDITED ACCESS TO**  
3 **TECHNICAL TALENT AND EXPERTISE AT ACA-**  
4 **DEMIC INSTITUTIONS.**

5 Section 217(e) of the National Defense Authorization  
6 Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C.  
7 2358 note) is amended—

8 (1) by redesignating paragraph (23) as para-  
9 graph (27); and

10 (2) by inserting after paragraph (22) the fol-  
11 lowing new paragraphs:

12 “(23) Space.

13 “(24) Infrastructure resilience.

14 “(25) Photonics.

15 “(26) Autonomy.”.

16 **SEC. 216. ADVANCED MANUFACTURING ACTIVITIES.**

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

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



1           (1) support efforts to implement advanced man-  
2           ufacturing techniques and capabilities;

3           (2) identify improvements to sustainment meth-  
4           ods for component parts and other logistics needs;

5           (3) identify and implement appropriate infor-  
6           mation security protections to ensure security of ad-  
7           vanced manufacturing;

8           (4) aid in the procurement of advanced manu-  
9           facturing equipment and support services; and

10          (5) enhance partnerships between the defense  
11          industrial base and Department of Defense labora-  
12          tories, academic institutions, and industry.

13          (c) COOPERATIVE AGREEMENTS AND PARTNER-  
14          SHIPS.—

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

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

23           (A) development and implementation of  
24           advanced manufacturing techniques and capa-  
25           bilities;

1 (B) appropriate sharing of information in  
2 the adaptation of advanced manufacturing, in-  
3 cluding technical data rights; and

4 (C) implementation of appropriate infor-  
5 mation security protections into advanced man-  
6 ufacturing tools and techniques.

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

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

12 (2) Section 2368 of such title, relating to cen-  
13 ters for science, technology, and engineering part-  
14 nership.

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

17 (4) Section 2474 of such title, relating to cen-  
18 ters of industrial and technical excellence.

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

21 (6) Section 12 of the Stevenson-Wydler Tech-  
22 nology Innovation Act of 1980 (15 U.S.C. 3710a)  
23 and section 6305 of title 31, United States Code, re-  
24 lating to cooperative research and development  
25 agreements.

1           (7) Such other authorities as the Under Secre-  
2           taries considers appropriate.

3 **SEC. 217. NATIONAL SECURITY INNOVATION ACTIVITIES.**

4           (a) ESTABLISHMENT.—The Under Secretary of De-  
5           fense for Research and Engineering shall establish activi-  
6           ties to develop interaction between the Department of De-  
7           fense and the commercial technology industry and aca-  
8           demia with regard to emerging hardware products and  
9           technologies with national security applications.

10          (b) ELEMENTS.—The activities required by sub-  
11          section (a) shall include the following:

12               (1) Informing and encouraging private invest-  
13               ment in specific hardware technologies of interest to  
14               future defense technology needs with unique national  
15               security applications.

16               (2) Funding research and technology develop-  
17               ment in critical hardware-based defense sectors, spe-  
18               cifically microelectromechanical systems, processing  
19               components, micromachinery, and materials science  
20               that private industry has not supported sufficiently  
21               to meet rapidly emerging national security needs.

22               (3) Developing and executing policies and ac-  
23               tions to deter strategic acquisition of industrial and  
24               technical capabilities in the private sector by foreign  
25               entities that could potentially exclude companies

1 from participating in the Department of Defense  
2 technology and industrial base.

3 (4) Identifying promising emerging technology  
4 in industry and academia for the Department of De-  
5 fense for potential support or research and develop-  
6 ment cooperation.

7 (c) TRANSFER OF PERSONNEL AND RESOURCES.—

8 (1) IN GENERAL.—Subject to paragraph (2),  
9 the Under Secretary may transfer such personnel,  
10 resources, and authorities as the Under Secretary  
11 considers appropriate to carry out the activities es-  
12 tablished under subsection (a) from other elements  
13 of the Department.

14 (2) CERTIFICATION.—The Under Secretary  
15 may only make a transfer of personnel, resources, or  
16 authorities under paragraph (1) upon certification  
17 by the Under Secretary that the activities estab-  
18 lished under paragraph (a) can attract sufficient pri-  
19 vate sector investment, has personnel with sufficient  
20 technical and management expertise, and has identi-  
21 fied relevant technologies and systems for potential  
22 investment in order to carry out the activities estab-  
23 lished under subsection (a), independent of further  
24 government funding beyond this authorization.

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

4 (e) PLAN.—

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

10 (2) ELEMENTS.—The plan required by para-  
11 graph (1) shall include the following:

12 (A) A description of the additional authori-  
13 ties needed to carry out the activities set forth  
14 in subsection (b).

15 (B) Plans for transfers under subsection  
16 (c), including plans for private fund-matching  
17 and investment mechanisms, oversight, treat-  
18 ment of rights relating to technical data devel-  
19 oped, and relevant dates and goals of such  
20 transfers.

21 (C) Plans for attracting the participation  
22 of the commercial technology industry and aca-  
23 demia and how those plans fit into the current  
24 Department of Defense research and engineer-  
25 ing enterprise.

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

3 (1) Section 1711 of the National Defense Au-  
4 thorization Act for Fiscal Year 2018 (Public Law  
5 115–91), relating to a pilot program on strength-  
6 ening manufacturing in the defense industrial base.

7 (2) Section 1599g of title 10 of the United  
8 States Code, relating to public-private talent ex-  
9 changes.

10 (3) Section 2368 of such title, relating to Cen-  
11 ters for Science, Technology, and Engineering Part-  
12 nerships.

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

15 (5) Section 2474 of such title, relating to Cen-  
16 ters of Industrial and Technical Excellence.

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

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

22 (8) Chapter 47 of such title, relating to per-  
23 sonnel research programs and demonstration  
24 projects.

1           (9) Section 12 of the Stevenson-Wydler Tech-  
2           nology Innovation Act of 1980 (15 U.S.C. 3710a)  
3           and section 6305 of title 31, United States Code, re-  
4           lating to cooperative research and development  
5           agreements.

6           (10) Such other authorities as the Under Sec-  
7           retary considers appropriate.

8           (g) FUNDING.—Of the amount authorized to be ap-  
9           propriated for fiscal year 2019 for the Department of De-  
10          fense by section 201 and subject to the availability of ap-  
11          propriations, up to \$150,000,000 may be available to  
12          carry out this section.

13 **SEC. 218. PARTNERSHIP INTERMEDIARIES FOR PRO-**  
14                                   **MOTION OF DEFENSE RESEARCH AND EDU-**  
15                                   **CATION.**

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

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

20           (2) by inserting after subsection (e) the fol-  
21           lowing new subsection (f):

22          “(f) USE OF PARTNERSHIP INTERMEDIARIES TO  
23          PROMOTE DEFENSE RESEARCH AND EDUCATION.—(1)  
24          Subject to the approval of the Secretary or the head of  
25          the another department or agency of the Federal Govern-

1 ment concerned, the Director of a Center may enter into  
2 a contract, memorandum of understanding or other transi-  
3 tion with a partnership intermediary that provides for the  
4 partnership intermediary to perform services for the De-  
5 partment of Defense that increase the likelihood of success  
6 in the conduct of cooperative or joint activities of the Cen-  
7 ter with industry or academic institutions.

8 “(2) In this subsection, the term ‘partnership inter-  
9 mediary’ means an agency of a State or local government,  
10 or a nonprofit entity owned in whole or in part by, char-  
11 tered by, funded in whole or in part by, or operated in  
12 whole or in part by or on behalf of a State or local govern-  
13 ment, that assists, counsels, advises, evaluates, or other-  
14 wise cooperates with industry or academic institutions  
15 that need or can make demonstrably productive use of  
16 technology-related assistance from a Center.”.

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

19 (a) LIMITATION.—None of the funds authorized to  
20 be appropriated or otherwise made available by this Act  
21 may be used to exceed a procurement quantity of one Sur-  
22 face Navy Laser Weapon System, also known as the High  
23 Energy Laser and Integrated Optical-dazzler with Surveil-  
24 lance (HELIOS), per fiscal year, unless the Secretary of  
25 the Navy submits to the congressional defense committees



1 a report on such system with the elements set forth in  
2 subsection (b).

3 (b) ELEMENTS.—The elements set forth in this sub-  
4 section are, with respect to the system described in sub-  
5 section (a), the following:

6 (1) A document setting forth the requirements  
7 for the system, including desired performance char-  
8 acteristics.

9 (2) An acquisition plan that includes the fol-  
10 lowing:

11 (A) A program schedule to accomplish de-  
12 sign completion, technology maturation, risk re-  
13 duction, and other activities, including dates of  
14 key design reviews (such as Preliminary Design  
15 Review and Critical Design Review) and pro-  
16 gram initiation decision (such as Milestone B)  
17 if applicable.

18 (B) A contracting strategy, including re-  
19 quests for proposals, the extent to which con-  
20 tracts will be competitively awarded, option  
21 years, option quantities, option prices, and ceil-  
22 ing prices.

23 (C) The fiscal years of procurement and  
24 delivery for each engineering development

1 model, prototype, or similar unit planned to be  
2 acquired.

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

7 (3) A test plan and schedule sufficient to  
8 achieve operational effectiveness and operational  
9 suitability determinations (such as Early Oper-  
10 ational Capability and Initial Operational Capability)  
11 related to the requirements set forth in paragraph  
12 (1).

13 (4) Associated funding and item quantities,  
14 disaggregated by fiscal year and appropriation, re-  
15 quested in the Fiscal Year 2019 Future Years De-  
16 fense Program.

17 (5) An estimate of the acquisition costs, includ-  
18 ing the total costs for procurement, research, devel-  
19 opment, test, and evaluation.

1 **SEC. 220. EXPANSION OF COORDINATION REQUIREMENT**  
2 **FOR SUPPORT FOR NATIONAL SECURITY IN-**  
3 **NOVATION AND ENTREPRENEURIAL EDU-**  
4 **CATION.**

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

8 “(16) The National Security Technology Accel-  
9 erator.”.

10 **SEC. 221. LIMITATION ON FUNDING FOR AMPHIBIOUS COM-**  
11 **BAT VEHICLE 1.2.**

12 None of the funds authorized by this Act or otherwise  
13 made available for the Marine Corps for fiscal year 2019  
14 for the development of Amphibious Combat Vehicle 1.2  
15 may be obligated or expended until the Secretary of De-  
16 fense has submitted to the congressional defense commit-  
17 tees—

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

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

1 **SEC. 222. DEFENSE QUANTUM INFORMATION SCIENCE AND**  
2 **TECHNOLOGY RESEARCH AND DEVELOP-**  
3 **MENT PROGRAM.**

4 (a) ESTABLISHMENT.—The Secretary of Defense  
5 shall carry out a quantum information science and tech-  
6 nology research and development program.

7 (b) PURPOSES.—The purposes of the program re-  
8 quired by subsection (a) are as follows:

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

12 (2) To coordinate all quantum information  
13 science and technology research and development  
14 within the Department of Defense and to provide for  
15 interagency cooperation and collaboration on quan-  
16 tum information science and technology research  
17 and development between the Department of De-  
18 fense and other departments and agencies of the  
19 United States and appropriate private sector entities  
20 that are involved in quantum information science  
21 and technology research and development.

22 (3) To develop and manage a portfolio of fun-  
23 damental and applied quantum information science  
24 and technology and engineering research initiatives  
25 that is stable, consistent, and balanced across sci-  
26 entific disciplines.

1           (4) To accelerate the transition and deployment  
2 of technologies and concepts derived from quantum  
3 information science and technology research and de-  
4 velopment into the Armed Forces, and to establish  
5 policies, procedures, and standards for measuring  
6 the success of such efforts.

7           (5) To collect, synthesize, and disseminate crit-  
8 ical information on quantum information science and  
9 technology research and development.

10          (6) To establish and support appropriate re-  
11 search, innovation, and industrial base, including fa-  
12 cilities and infrastructure, to support the needs of  
13 Department of Defense missions and systems related  
14 to quantum information science and technology.

15          (c) ADMINISTRATION.—In carrying out the program  
16 required by subsection (a), the Secretary shall act through  
17 the Under Secretary of Defense for Research and Engi-  
18 neering, who shall supervise the planning, management,  
19 and coordination of the program. The Under Secretary,  
20 in consultation with the Secretaries of the military depart-  
21 ments and the heads of participating Defense Agencies  
22 and other departments and agencies of the United States,  
23 shall—

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

4           (A) optimization of analysis of national se-  
5 curity data sets;

6           (B) design of new materials and molecular  
7 functions;

8           (C) secure communications and cryptog-  
9 raphy;

10          (D) quantum sensing and metrology;

11          (E) development of mathematics to sup-  
12 port defense missions related to quantum-based  
13 encryption techniques; and

14          (F) processing and manufacturing of low-  
15 cost, robust, and reliable quantum information  
16 science and technology-enabled devices and sys-  
17 tems;

18          (2) develop a coordinated and integrated re-  
19 search and investment plan for meeting the near-,  
20 mid-, and long-term challenges with definitive mile-  
21 stones while achieving the specific technical goals  
22 that builds upon the Department's increased invest-  
23 ment in quantum information science and technology  
24 research and development, commercial sector and

1 global investments, and other United States Govern-  
2 ment investments in the quantum sciences;

3 (3) not later than 180 days after the date of  
4 the enactment of this Act, develop and continuously  
5 update guidance, including classification and data  
6 management plans for defense-related quantum in-  
7 formation science and technology activities, and poli-  
8 cies for control of personnel participating on such  
9 activities to minimize the effects of loss of intellec-  
10 tual property in basic and applied quantum science  
11 and information considered sensitive to the leader-  
12 ship of the United States in the field of quantum  
13 computing; and

14 (4) develop memoranda of agreement, joint  
15 funding agreements, and other cooperative arrange-  
16 ments necessary for meeting the long-term chal-  
17 lenges and achieving the specific technical goals.

18 (d) REPORT.—Not later than December 31, 2020,  
19 the Under Secretary of Defense for Research and Engi-  
20 neering shall submit to the congressional defense commit-  
21 tees a report on the program, in both classified and un-  
22 classified format.

23 **SEC. 223. JOINT DIRECTED ENERGY TEST ACTIVITIES.**

24 (a) TEST ACTIVITIES.—The Under Secretary of De-  
25 fense for Research and Engineering shall develop, estab-

1 lish, and coordinate directed energy testing activities ade-  
2 quate to ensure the achievement by the Department of De-  
3 fense of goals of the Department for developing and de-  
4 ploying directed energy systems to match national security  
5 needs.

6 (b) ELEMENTS.—The activity established under sub-  
7 section (a) shall include the following:

8 (1) The High Energy Laser System Test Facil-  
9 ity of the Army Test and Evaluation Command.

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

13 (c) DESIGNATION.—The test activities established  
14 under subsection (a) shall be considered part of the Major  
15 Range and Test Facility Base (as defined in 196(i) of title  
16 10, United States Code).

17 (d) DIRECTION AND CONTROL.—The conduct of test-  
18 ing activities under subsection (a) shall be subject to au-  
19 thority, direction, and control of the Under Secretary in  
20 the Under Secretary's capacity as the official with prin-  
21 cipal responsibility for the development and demonstration  
22 of directed energy weapons for the Department pursuant  
23 to section 219(a)(1) of the National Defense Authoriza-  
24 tion Act for Fiscal Year 2017 (10 U.S.C. 2431 note).



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

5 (1) Paragraphs (2) through (5) of section  
6 219(a) of the National Defense Authorization Act  
7 for Fiscal Year 2017 (10 U.S.C. 2431 note).

8 (2) Enabling the standardized collection and  
9 evaluation of testing data to establish testing ref-  
10 erences and benchmarks.

11 (3) Concentrating sufficient personnel expertise  
12 of directed energy weapon systems in order to vali-  
13 date the effectiveness of new weapon systems against  
14 a variety of targets.

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

19 (5) Formulating a joint lethality or vulner-  
20 ability information repository that can be accessed  
21 by any of the military departments of Defense Agen-  
22 cies, similar to a Joint Munitions Effectiveness  
23 Manuals (JMEMs).

24 (6) Reducing duplication of directed energy  
25 weapon testing.

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

4 **SEC. 224. REQUIREMENT FOR ESTABLISHMENT OF AR-**  
5                   **RANGEMENTS FOR EXPEDITED ACCESS TO**  
6                   **TECHNICAL TALENT AND EXPERTISE AT ACA-**  
7                   **DEMIC INSTITUTIONS TO SUPPORT DEPART-**  
8                   **MENT OF DEFENSE MISSIONS.**

9           (a) IN GENERAL.—Subsection (a)(1) of section 217  
10          of the National Defense Authorization Act for Fiscal Year  
11          2018 (Public Law 115–91) is amended by striking “may”  
12          and inserting “shall”.

13          (b) EXTENSION.—Subsection (f) of such section is  
14          amended by striking “September 30, 2020” and inserting  
15          “September 30, 2022”.

16 **SEC. 225. AUTHORITY FOR JOINT DIRECTED ENERGY TRAN-**  
17                   **SITION OFFICE TO CONDUCT RESEARCH RE-**  
18                   **LATING TO HIGH POWERED MICROWAVE CA-**  
19                   **PABILITIES.**

20          Section 219(b)(3) of the National Defense Authoriza-  
21          tion Act for Fiscal Year 2017 (Public Law 114–328; 10  
22          U.S.C. 2431 note) is amended by inserting “, including  
23          high-powered microwaves,” after “energy systems and  
24          technologies”.

1 **SEC. 226. JOINT ARTIFICIAL INTELLIGENCE RESEARCH, DE-**  
2 **VELOPMENT, AND TRANSITION ACTIVITIES.**

3 (a) ESTABLISHMENT.—

4 (1) IN GENERAL.—The Secretary of Defense  
5 shall establish a set of activities within the Depart-  
6 ment of Defense to coordinate the efforts of the De-  
7 partment to develop, mature, and transition artificial  
8 intelligence technologies into operational use.

9 (2) EMPHASIS.—The set of activities estab-  
10 lished under paragraph (1) shall apply artificial in-  
11 telligence and machine learning solutions to oper-  
12 ational problems and coordinate activities involving  
13 artificial intelligence and artificial intelligence en-  
14 abled capabilities within the Department.

15 (b) DESIGNATION.—Not later than 180 days after  
16 the date of the enactment of this Act, the Secretary of  
17 Defense shall designate a senior official of the Department  
18 of Defense with principal responsibility for the coordina-  
19 tion of activities relating to the development and dem-  
20 onstration of artificial intelligence and machine learning  
21 for the Department.

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

24 (1) STRATEGIC PLAN.—Developing a detailed  
25 strategic plan to develop, mature, adopt, and transi-

1       tion artificial intelligence technologies into oper-  
2       ational use. Such plan shall include the following:

3               (A) A strategic roadmap for the identifica-  
4               tion and coordination of the development and  
5               fielding of artificial intelligence technologies and  
6               key enabling capabilities.

7               (B) The continuous evaluation and adapta-  
8               tion of relevant artificial intelligence capabilities  
9               developed both inside the Department and in  
10              other organizations for military missions.

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

14               (A) use the flexibility of regulations, per-  
15               sonnel, or other relevant policies of the Depart-  
16               ment to accelerate the development and fielding  
17               of artificial intelligence capabilities;

18               (B) ensure engagement with defense and  
19               private industries, research universities, and un-  
20               affiliated, nonprofit research institutions;

21               (C) provide technical advice and support to  
22               entities in the Department of Defense and the  
23               military departments to optimize the use of ar-  
24               tificial intelligence and machine learning tech-  
25               nologies to meet Department missions;

1 (D) support the development of require-  
2 ments for artificial intelligence capabilities that  
3 address the highest priority capability gaps of  
4 the Department and technical feasibility;

5 (E) develop and support capabilities for  
6 technical analysis and assessment of threat ca-  
7 pabilities based on artificial intelligence;

8 (F) ensure that the Department has ap-  
9 propriate workforce and capabilities at labora-  
10 tories, test ranges, and within the organic de-  
11 fense industrial base to support the artificial in-  
12 telligence capabilities and requirements of the  
13 Department;

14 (G) develop classification guidance for all  
15 artificial intelligence related activities of the De-  
16 partment;

17 (H) work with appropriate officials to de-  
18 velop appropriate ethical, legal, and other poli-  
19 cies for the Department governing the develop-  
20 ment and use of artificial intelligence enabled  
21 systems and technologies in operational situa-  
22 tions; and

23 (I) ensure—

24 (i) that artificial intelligence programs  
25 of each military department and of the De-

1                   fense Agencies are consistent with the pri-  
2                   orities identified under this section; and

3                   (ii) appropriate coordination of artifi-  
4                   cial intelligence activities of the Depart-  
5                   ment with interagency, industry, and inter-  
6                   national efforts relating to artificial intel-  
7                   ligence, including relevant participation in  
8                   standards setting bodies.

9           (d) ACCESS TO INFORMATION.—The Secretary of De-  
10          fense shall ensure that the official designated under sub-  
11          section (b) has access to such information on programs  
12          and activities of the military departments and other De-  
13          fense Agencies as the Secretary considers appropriate to  
14          carry out the coordination described in subsection (b) and  
15          the duties set forth in subsection (c).

16          (e) STUDY ON ARTIFICIAL INTELLIGENCE TOPICS.—

17                  (1) IN GENERAL.—Not later than one year  
18                  after the date of the enactment of this Act, the offi-  
19                  cial designated under subsection (b) shall—

20                          (A) complete a study on the future of arti-  
21                          ficial intelligence in the context of the missions  
22                          of the Department; and

23                          (B) submit to the congressional defense  
24                          committees a report on the findings of the des-

1           ignated official with respect to the study com-  
2           pleted under subparagraph (A).

3           (2) CONSULTATION WITH EXPERTS.—In con-  
4           ducting the study required by paragraph (1)(A), the  
5           designated official shall consult with experts within  
6           the Department, other Federal agencies, academia,  
7           and the commercial sector, as the Secretary con-  
8           siders appropriate.

9           (3) ELEMENTS.—The study required by para-  
10          graph (1)(A) shall include the following:

11           (A) A comprehensive and national-level re-  
12          view of advances in artificial intelligence and  
13          machine learning, and associated technologies  
14          relevant to the needs of the Department and  
15          the Armed Forces.

16           (B) Near-term actionable recommendations  
17          to the Secretary, including ways to more effec-  
18          tively organize the Department for artificial in-  
19          telligence and most effectively leverage aca-  
20          demic and commercial progress in these tech-  
21          nologies.

22           (C) Recommendations for engagement by  
23          the Department with relevant agencies that will  
24          be involved with artificial intelligence in the fu-  
25          ture.

1           **Subtitle C—Reports and Other**  
2                           **Matters**

3   **SEC. 231. REPORT ON COMPARATIVE CAPABILITIES OF AD-**  
4                           **VERSARIES IN KEY TECHNOLOGY AREAS.**

5           (a) IN GENERAL.—Not later than 90 days after the  
6   date of the enactment of this Act, the Director of the De-  
7   fense Intelligence Agency shall submit to the Committees  
8   on Armed Services of the Senate and the House of Rep-  
9   resentatives a report that sets forth a direct comparison  
10   between the capabilities of the United States in emerging  
11   technology areas (such as hypersonics, artificial intel-  
12   ligence, quantum information science, and directed energy  
13   weapons) and the capabilities of adversaries of the United  
14   States in such areas.

15          (b) ELEMENTS.—The report required by subsection  
16   (a) shall include, for each technology covered by such re-  
17   port, the following:

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

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

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



1           (4) An assessment of the technological progress  
2           of the United States and adversaries on such tech-  
3           nology.

4           (5) Descriptions of timelines for operational de-  
5           ployment of such technology.

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

8           (c) COORDINATION.—The Director shall prepare the  
9           report in coordination with other appropriate officials of  
10          the intelligence community and with such other partners  
11          in the technology areas covered by the report as the Direc-  
12          tor considers appropriate.

13   **SEC. 232. REPORT ON ACTIVE PROTECTION SYSTEMS FOR**  
14                   **ARMORED COMBAT AND TACTICAL VEHI-**  
15                   **CLES.**

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

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

24                  (1) With respect to the active protection sys-  
25                  tems that the Army has recently tested on the M1A2

1 Abrams, the M2A3 Bradley, and the STRYKER,  
2 the following:

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

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

7 (C) Proposals for future development of  
8 such systems.

9 (D) A timeline for fielding such systems.

10 (2) Plans for how the Army will incorporate ac-  
11 tive protection systems into new armored combat  
12 and tactical vehicle designs, such as Mobile Protec-  
13 tion Firepower (MPF), Armored Multi-Purpose Ve-  
14 hicle (AMPV), and Next Generation Combat Vehicle  
15 (NGCV).

16 **SEC. 233. NEXT GENERATION COMBAT VEHICLE.**

17 (a) **PROTOTYPE.**—The Secretary of the Army shall  
18 take appropriate actions to ensure that the Tank Auto-  
19 motive, Research, Development, and Engineering Center  
20 (TARDEC) of the Army is provided the resources, includ-  
21 ing funds and acquisition authorities, necessary to build  
22 a prototype for the Next Generation Combat Vehicle  
23 (NGCV).

24 (b) **REPORT.**—

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

7           (2) ANALYSIS.—

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

12           (B) RELEVANCE TO NATIONAL DEFENSE  
13 STRATEGY.—In carrying out subparagraph (A),  
14 the Secretary shall ensure that the require-  
15 ments are relevant to the most recently pub-  
16 lished National Defense Strategy.

17           (C) THREATS AND TERRAIN.—The Sec-  
18 retary shall ensure that the analysis includes  
19 consideration of threats and terrain.

20           (D) COMPONENT TECHNOLOGIES.—The  
21 Secretary shall ensure that the analysis includes  
22 consideration of the latest enabling component  
23 technologies that have the potential to dramati-  
24 cally change basic combat vehicle design and

1 improve lethality, protection, mobility, range,  
2 and sustainment.

3 (c) LIMITATION.—Of the funds authorized to be ap-  
4 propriated for fiscal year 2019 by section 201 and avail-  
5 able for research, development, testing, and evaluation,  
6 Army, for the Next Generation Combat Vehicle, not more  
7 than 50 percent may be obligated or expended until the  
8 Secretary submits the report required by subsection (b).

9 **SEC. 234. REPORT ON THE FUTURE OF THE DEFENSE RE-**  
10 **SEARCH AND ENGINEERING ENTERPRISE.**

11 (a) REPORT REQUIRED.—Not later than one year  
12 after the date of the enactment of this Act, the Under  
13 Secretary of Defense for Research and Engineering shall  
14 submit to the Committees on Armed Services of the Sen-  
15 ate and the House of Representatives a report setting  
16 forth recommendations on the future of the defense re-  
17 search and engineering enterprise, including such rec-  
18 ommendations for legislative or administrative action as  
19 the Under Secretary considers appropriate in light of the  
20 anticipated future of the defense research and engineering  
21 enterprise.

22 (b) FOCUS.—The recommendations under subsection  
23 (a) shall focus on enabling the success of the defense re-  
24 search and engineering enterprise in the current environ-  
25 ment of strategic competition.

1 (c) DEFENSE RESEARCH AND ENGINEERING ENTER-  
2 PRISE.—For purposes of subsection (a), the defense re-  
3 search and engineering enterprise shall consist of the fol-  
4 lowing:

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

7 (2) The Department of Defense laboratories

8 (3) The test ranges and facilities of the Depart-  
9 ment.

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

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

14 (6) The Strategic Capabilities Office of the De-  
15 partment.

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

18 (8) Such other elements, offices, programs, and  
19 activities of the Department as the Under Secretary  
20 considers appropriate for purposes of the this sec-  
21 tion.

22 (d) PARTICULAR RECOMMENDATIONS.—The rec-  
23 ommendations under subsection (a) shall include rec-  
24 ommendations on the following:

1           (1) Portfolio management and coordination of  
2           research and development activities across the mili-  
3           tary departments and the defense research and engi-  
4           neering enterprise, including management and ac-  
5           tivities across the enterprise.

6           (2) Workforce management, recruitment, reten-  
7           tion, and shaping.

8           (3) Facilities and research and test infrastruc-  
9           ture.

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

13          (5) Governance.

14          (e) COMPARISONS.—For purposes of making rec-  
15          ommendations under subsection (a), the Under Secretary  
16          shall conduct a comparison of the defense research and  
17          engineering enterprise of the United States, namely proc-  
18          esses, test infrastructure, and workforce, with the defense  
19          research and engineering enterprises of other countries  
20          and the private sector.

21          (f) CONSULTATION AND COMMENTS.—In making rec-  
22          ommendations under subsection (a), the Under Secretary  
23          shall consult with and seek comments from groups and  
24          entities relevant to the recommendations, such as the mili-  
25          tary departments, the combatant commands, the Defense

1 Innovation Board, the Defense Science Board, the De-  
2 fense Business Board, the federally funded research and  
3 development centers (FFRDCs), and commercial partners  
4 of the Department of Defense (including small business  
5 concerns).

6 **SEC. 235. MODIFICATION OF REPORTS ON MECHANISMS TO**  
7 **PROVIDE FUNDS TO DEFENSE LABORA-**  
8 **TORIES FOR RESEARCH AND DEVELOPMENT**  
9 **OF TECHNOLOGIES FOR MILITARY MISSIONS.**

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

12 “(c) **RELEASE AND DISSEMINATION OF INFORMA-**  
13 **TION ON CONTRIBUTIONS FROM USE OF AUTHORITY TO**  
14 **MILITARY MISSIONS.—**

15 “(1) **COLLECTION OF INFORMATION.—**The Sec-  
16 retary shall establish and maintain mechanisms for  
17 the continuous collection of information on achieve-  
18 ments, best practices identified, lessons learned, and  
19 challenges arising in the exercise of the authority in  
20 this section.

21 “(2) **RELEASE OF INFORMATION.—**The Sec-  
22 retary shall establish and maintain mechanisms as  
23 follows:

24 “(A) Mechanisms for the release to the  
25 public of information on achievements and best

1 practices described in paragraph (1) in unclas-  
2 sified form.

3 “(B) Mechanisms for dissemination to ap-  
4 propriate civilian and military officials of infor-  
5 mation on achievements and best practices de-  
6 scribed in paragraph (1) in classified form.”.

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

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

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

18 (1) An explanation of how Mobile Protected  
19 Firepower and Future Vertical Lift could survive  
20 against the effects of anti-armor and anti-aircraft  
21 networks established within anti-access, area-denial  
22 defenses.

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



1           (3) Details regarding the total number of Mo-  
2           bile Protected Firepower and Future Vertical Lift  
3           systems needed by the Army.

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

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

8 **SEC. 237. IMPROVEMENT OF THE AIR FORCE SUPPLY**  
9           **CHAIN.**

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

13           (1) For nontraditional technologies and  
14           sustainment practices (such as additive manufac-  
15           turing, artificial intelligence, predictive maintenance,  
16           and other software-intensive and software-defined  
17           capabilities) to—

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

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

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

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

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

8           (b) FUNDING.—Of the amounts authorized to be ap-  
9 propriated for fiscal year 2019 by section 201 for re-  
10 search, development, test, and evaluation for the Air Force  
11 and available for Tech Transition Program (Program Ele-  
12 ment (0604858F)), up to \$42,800,000 may be available  
13 as described in subsection (a).

14 **SEC. 238. REVIEW OF GUIDANCE ON BLAST EXPOSURE DUR-**  
15 **ING TRAINING.**

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

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

24           (1) The impact of exposure over multiple suc-  
25 cessive days of training.

1           (2) The impact of multiple types of heavy weap-  
2           ons being fired in close succession.

3           (3) The feasibility of cumulative annual or life-  
4           time exposure limits.

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

7           (c) UPDATED TRAINING GUIDANCE.—Not later than  
8           180 days after the date of the completion of the review  
9           under subsection (a), each Secretary of a military depart-  
10          ment shall update any relevant training guidance to ac-  
11          count for the conclusions of the review.

12          (d) UPDATED REVIEW.—

13           (1) IN GENERAL.—Not less frequently than  
14           once every two years after the initial review con-  
15           ducted under subsection (a), the Secretary of De-  
16           fense shall conduct an updated review under such  
17           subsection, including consideration of the matters  
18           set forth under subsection (b), and update training  
19           guidance under subsection (c).

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

1 (e) BRIEFING REQUIRED.—The Secretary of Defense  
2 shall brief the Committees on Armed Services of the Sen-  
3 ate and the House of Representatives on a summary of  
4 the results of the initial review under subsection (a), each  
5 updated review conducted under subsection (d), and any  
6 updates to training guidance and procedures resulting  
7 from any such review or updated review.

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

10 (a) LIST REQUIRED.—The Secretary of Defense shall  
11 develop a list of technologies and manufacturing capabili-  
12 ties critical to the Armed Forces.

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

15 (1) research, development, design, and manu-  
16 facturing expertise;

17 (2) research, development, design, and manu-  
18 facturing equipment and unique facilities;

19 (3) goods and services associated with or en-  
20 abled by research, development, operation, applica-  
21 tion, manufacturing, or maintenance expertise,  
22 which are not possessed by countries to which ex-  
23 ports are controlled and which, if exported or other-  
24 wise transferred, would permit a significant advance  
25 in the military capabilities of any such country; and

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

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

8           (d) PUBLICATION.—

9           (1) IN GENERAL.—Not later than December 31,  
10          2019, the Secretary shall publish the list required by  
11          subsection (a) and continuously update such list  
12          thereafter as the Secretary considers appropriate.

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

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

20          Not later than 120 days after the date of the enact-  
21          ment of this Act, the Secretary of Defense shall submit  
22          to the congressional defense committees a report on the  
23          feasibility and advisability of requiring access to digital  
24          technical data in all future acquisitions by the Department  
25          of Defense of combat, combat service, and combat support

1 systems, including front-end negotiations for such access.  
2 Such report shall include a digital data standard for tech-  
3 nical data for use by equipment manufacturers and the  
4 Department with regard to three-dimensional printed  
5 parts.

6 **SEC. 241. COMPETITIVE ACQUISITION STRATEGY FOR**  
7 **BRADLEY FIGHTING VEHICLE TRANSMISSION**  
8 **REPLACEMENT.**

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

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

15 (1) An analysis of the potential cost savings  
16 and performance improvements associated with de-  
17 veloping or procuring a new transmission common to  
18 the Bradley Fighting Vehicle family of vehicles, in-  
19 cluding the Armored Multipurpose Vehicle and the  
20 Paladin Integrated Management artillery system.

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

23 (c) **TIMELINE.**—Not later than February 15, 2019,  
24 the Secretary of the Army shall submit to the congress-

1 sional defense committees the strategy developed under  
2 subsection (a).

3 (d) LIMITATION.—None of the funds authorized to  
4 be appropriated for fiscal year 2019 by this Act for Weap-  
5 ons and Tracked Combat Vehicles, Army, may be obli-  
6 gated or expended to procure a Bradley Fighting Vehicle  
7 replacement transmission until the date that is 30 days  
8 after the date on which the Secretary of the Army submits  
9 to the congressional defense committees the plan required  
10 by subsection (a).

11 **SEC. 242. INDEPENDENT ASSESSMENT OF ELECTRONIC**  
12 **WARFARE PLANS AND PROGRAMS.**

13 (a) AGREEMENT.—

14 (1) IN GENERAL.—The Secretary of Defense  
15 shall seek to enter into an agreement with the pri-  
16 vate scientific advisory group known as “JASON” to  
17 perform the services covered by this section.

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

22 (b) INDEPENDENT ASSESSMENT.—Under an agree-  
23 ment between the Secretary and JASON under this sec-  
24 tion, JASON shall—

1           (1) assess the strategies, programs, order of  
2 battle, and doctrine of the United States related to  
3 the electronic warfare mission area and electro-  
4 magnetic spectrum operations;

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

9           (3) develop recommendations for improvements  
10 to the strategies, programs, and doctrine of the  
11 United States in order to enable the United States  
12 to achieve and maintain superiority in the electro-  
13 magnetic spectrum in future conflicts; and

14           (4) develop recommendations for the Secretary,  
15 Congress, and such other Federal entities as  
16 JASON considers appropriate, including rec-  
17 ommendations for—

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

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

22                 (C) improving cooperation between the  
23 United States and other countries and inter-  
24 national organizations; and



1           (D) such other important matters identi-  
2           fied by JASON that are directly relevant to the  
3           strategies of the United States described in  
4           paragraph (3).

5           (c) LIAISONS.—The Secretary shall appoint appro-  
6           priate liaisons to JASON to support the timely conduct  
7           of the services covered by this section.

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

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

16          (f) REPORT.—Not later than October 1, 2019, the  
17          Secretary shall submit to the congressional defense com-  
18          mittees a report on—

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

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

23          (g) ALTERNATE CONTRACT SCIENTIFIC ORGANIZA-  
24          TION.—

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

8                   (A) is not part of the Government; and

9                   (B) has expertise and objectivity com-  
10 parable to that of JASON.

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

## 16           **TITLE III—OPERATION AND** 17                   **MAINTENANCE**

### 18                   **Subtitle A—Authorization of** 19                           **Appropriations**

#### 20           **SEC. 301. AUTHORIZATION OF APPROPRIATIONS.**

21           Funds are hereby authorized to be appropriated for  
22 fiscal year 2019 for the use of the Armed Forces and other  
23 activities and agencies of the Department of Defense for  
24 expenses, not otherwise provided for, for operation and

1 maintenance, as specified in the funding table in section  
2 4301.

## 3 **Subtitle B—Energy and** 4 **Environment**

### 5 **SEC. 311. FURTHER IMPROVEMENTS TO ENERGY SECURITY** 6 **AND RESILIENCE.**

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

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

11 (2) by inserting before paragraph (3), as so re-  
12 designated, the following new paragraphs:

13 “(1) establish metrics and standards for the as-  
14 sessment of energy resilience;

15 “(2) require the Secretary of a military depart-  
16 ment to perform mission assurance and readiness  
17 assessments of energy power systems for mission  
18 critical assets and supporting infrastructure, apply-  
19 ing uniform mission standards established by the  
20 Secretary of Defense;”.

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

1       “(3) The Secretary of Defense shall include the en-  
2       ergy security and resilience goals of the Department of  
3       Defense in the installation energy report submitted under  
4       section 2925(a) of this title for fiscal year 2018 and every  
5       fiscal year thereafter. In the development of energy secu-  
6       rity and resilience goals, the Department of Defense shall  
7       conform with the definitions of energy security and resil-  
8       ience under this title. The report shall include the amount  
9       of critical energy load, together with the level of avail-  
10      ability and reliability by fiscal year the Department of De-  
11      fense deems necessary to achieve energy security and resil-  
12      ience.”.

13       (c) REPORTING ON INSTALLATIONS ENERGY MAN-  
14      AGEMENT, ENERGY RESILIENCE, AND MISSION ASSUR-  
15      ANCE.—Section 2925(a) of title 10, United States Code,  
16      is amended—

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

21           (2) in paragraph (3), by striking “the mission  
22      requirements associated with disruption tolerances  
23      based on risk to mission” and inserting “the  
24      downtimes (in minutes or hours) these missions can

1 afford based on their mission requirements and risk  
2 tolerances”;

3 (3) in paragraph (4), by inserting “(including  
4 critical energy loads in megawatts and the associ-  
5 ated downtime tolerances for critical energy loads)”  
6 after “energy requirements and critical energy re-  
7 quirements”;

8 (4) by redesignating paragraph (5) as para-  
9 graph (7); and

10 (5) by inserting after paragraph (4) the fol-  
11 lowing new paragraphs:

12 “(5) A list of energy resilience projects awarded  
13 by the Department of Defense by military depart-  
14 ment and military installation, whether appropriated  
15 or alternative financed for the reporting fiscal year,  
16 including project description, award date, the critical  
17 energy requirements serviced (including critical en-  
18 ergy loads in megawatts), expected reliability of the  
19 project (as indicated in the awarded contract), life  
20 cycle costs, savings to investment, fuel type, and the  
21 type of appropriation or alternative financing used.

22 “(6) A list of energy resilience projects planned  
23 by the Department of Defense by military depart-  
24 ment and military installation, whether appropriated  
25 or alternative financed for the next two fiscal years,

1 including project description, fuel type, expected  
2 award date, and the type of appropriation or alter-  
3 native financing expected for use.”.

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

9 “(d) The Secretary concerned shall ensure energy se-  
10 curity and resilience are prioritized and included in the  
11 provision and operation of energy production facilities  
12 under this section.”.

13 (e) CONVEYANCE AUTHORITY FOR UTILITY SYS-  
14 TEMS.—Section 2688 of title 10, United States Code, is  
15 amended—

16 (1) in subsection (a), by striking “Secretary of  
17 a military department” and inserting “Secretary of  
18 Defense, or the Secretary of a military department  
19 designated by the Secretary,”;

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

24 (3) in subsection (g)(3)—

1 (A) by striking “Secretary concerned may  
2 require” and inserting “Secretary of Defense,  
3 in consultation with the Secretaries of the mili-  
4 tary departments, shall require”; and

5 (B) by striking “consistent with energy re-  
6 silience requirements and metrics” and insert-  
7 ing “consistent with energy resilience and cy-  
8 bersecurity requirements and associated  
9 metrics”.

10 (f) MODIFICATION OF ENERGY RESILIENCE DEFINI-  
11 TION.—Section 101(e)(6) of title 10, United States Code,  
12 is amended by striking “task critical assets and other”.

13 (g) AUTHORITY TO ACCEPT ENERGY PERFORMANCE  
14 FINANCIAL INCENTIVES FROM STATE AND LOCAL GOV-  
15 ERNMENTS.—Section 2913(c) of title 10, United States  
16 Code, is amended by inserting “a State or local govern-  
17 ment” after “generally available from”.

18 (h) TREATMENT OF ENERGY DEMAND RESPONSE  
19 FINANCIAL INCENTIVES.—Paragraph (2) of section  
20 2919(b) of title 10, United States Code, is amended to  
21 read as follows:

22 “(2) credited to an appropriation designated by  
23 the Secretary of Defense, submitted in the annual  
24 President’s budget request, merged with the appro-

1        piation to which credited, and available for energy  
2        security or energy resilience projects.”.

3        (i) USE OF ENERGY COST SAVINGS TO IMPLEMENT  
4 ENERGY RESILIENCE AND ENERGY CONSERVATION CON-  
5 STRUCTION PROJECTS.—Section 2912(b)(1) of title 10,  
6 United States Code, is amended by inserting “, including  
7 energy resilience and energy conservation construction  
8 projects,” after “energy security measures”.

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

14           (1) by striking “(B)” and inserting “(B)(i)”;

15        and

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

18                   “(ii) maintains or improves military instal-  
19        lation resilience; or”.



1 **SEC. 312. FUNDING OF STUDY AND ASSESSMENT OF**  
2 **HEALTH IMPLICATIONS OF PER- AND**  
3 **POLYFLUOROALKYL SUBSTANCES CONTAMI-**  
4 **NATION IN DRINKING WATER BY AGENCY**  
5 **FOR TOXIC SUBSTANCES AND DISEASE REG-**  
6 **ISTRY.**

7 Paragraph (2) of section 316(a) of the National De-  
8 fense Authorization Act for Fiscal Year 2018 (Public Law  
9 115–91) is amended to read as follows:

10 “(2) FUNDING.—

11 “(A) SOURCE OF FUNDS.—The study and  
12 assessment performed pursuant to this section  
13 may be paid for using funds authorized to be  
14 appropriated to the Department of Defense  
15 under the heading ‘Operation and Maintenance,  
16 Defense-Wide’.

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

1           “(ii) Without regard to section 2215 of  
2 title 10, United States Code, the Secretary of  
3 Defense may transfer not more than  
4 \$10,000,000 a year during fiscal years 2019  
5 and 2020 to the Secretary of Health and  
6 Human Services to pay for the study and as-  
7 sessment required by this section.

8           “(C) EXPENDITURE AUTHORITY.—  
9 Amounts transferred to the Secretary of Health  
10 and Human Services shall be used to carry out  
11 the study and assessment under this section  
12 through contracts, cooperative agreements, or  
13 grants. In addition, such funds may be trans-  
14 ferred by the Secretary of Health and Human  
15 Services to other accounts of the Department  
16 for the purposes of carrying out this section.

17           “(D) RELATIONSHIP TO OTHER TRANSFER  
18 AUTHORITIES.—The transfer authority provided  
19 under this paragraph is in addition to any other  
20 transfer authority available to the Department  
21 of Defense.”.

22 **SEC. 313. MILITARY MISSION SUSTAINMENT SITING CLEAR-**  
23 **INGHOUSE.**

24           (a) CHANGE IN NAME OF CLEARINGHOUSE.—Section  
25 183a of title 10, United States Code, is amended—

1           (1) in the section heading, by striking “**Mili-**  
2           **tary Aviation and Installation Assurance**  
3           **Clearinghouse for review of mission ob-**  
4           **structions**” and inserting “**Military Mission**  
5           **Sustainment Siting Clearinghouse for re-**  
6           **view of energy projects**”; and

7           (2) in paragraph (1) of subsection (a), by strik-  
8           ing “Military Aviation and Installation Assurance  
9           Siting Clearinghouse” and inserting “Military Mis-  
10          sion Sustainment Siting Clearinghouse”.

11          (b) RESPONSIBLE OFFICIAL.—Subsection (a) of such  
12          section is further amended, in paragraph (2)(A), by strik-  
13          ing “control of an Assistant Secretary of Defense des-  
14          ignated by the Secretary” and inserting “control of the  
15          Under Secretary of Defense for Acquisition and  
16          Sustainment”.

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

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

21                 (2) by inserting after paragraph (1) the fol-  
22                 lowing new paragraph:

23                         “(2) The Clearinghouse shall coordinate De-  
24                         partment of Defense consideration of and response  
25                         to requests for reviews received from other Federal

1 agencies, State governments, Indian tribal govern-  
2 ments, local governments, landowners, and devel-  
3 opers of energy projects.”.

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

6 (1) in paragraph (1)—

7 (A) in subparagraph (A), by inserting “,  
8 including any potential negative impacts on  
9 pilot safety and training” after “military oper-  
10 ations and readiness”; and

11 (B) in subparagraph (B), by inserting “,  
12 including any potential negative impacts on  
13 pilot safety and training,” after “risks to na-  
14 tional security”; and

15 (2) in paragraph (3), by inserting “and the rel-  
16 evant local military installation” after “notice to the  
17 governor of the State”.

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

21 (f) DEPARTMENT OF DEFENSE FINDING OF UNAC-  
22 CEPTABLE RISK.—Subsection (e)(1) of such section is  
23 amended by inserting “, including unacceptable risk to  
24 pilot safety and unacceptable loss of training days” after  
25 “risk to the national security of the United States”.

1 (g) DEFINITION OF ADVERSE IMPACT ON MILITARY  
 2 OPERATIONS AND READINESS.—Subsection (h)(1) of such  
 3 section is amended by inserting “pilot safety,” after “in-  
 4 cluding flight operations,”.

5 (h) CLERICAL AMENDMENT.—The table of sections  
 6 at the beginning of chapter 7 of title 10, United States  
 7 Code, is amended by striking the item relating to section  
 8 183a and inserting the following:

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

9 **SEC. 314. OPERATIONAL ENERGY POLICY.**

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

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

14 (2) by inserting before subsection (c), as redesi-  
 15 gnated by paragraph (1), the following new sub-  
 16 sections:

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

22 “(b) AUTHORITIES.—The Secretary of Defense  
 23 may—

1           “(1) require the Secretary of a military depart-  
2           ment or the commander of a combatant command to  
3           assess the energy supportability of systems, capabili-  
4           ties, and plans;

5           “(2) authorize the use of energy security, cost  
6           of backup power, and energy resilience as factors in  
7           the cost-benefit analysis for procurement of oper-  
8           ational equipment; and

9           “(3) in selecting equipment that will use oper-  
10          ational energy, give favorable consideration to the  
11          acquisition of equipment that enhances energy secu-  
12          rity, energy resilience, energy conservation, and re-  
13          duces logistical vulnerabilities.”; and

14          (3) in subsection (c), as redesignated by sub-  
15          paragraph (A)—

16                (A) in the subsection heading, by striking  
17                “ALTERNATIVE FUEL ACTIVITIES” and insert-  
18                ing “FUNCTIONS OF THE ASSISTANT SEC-  
19                RETARY OF DEFENSE FOR ENERGY, INSTALLA-  
20                TIONS, AND ENVIRONMENT”;

21                (B) by striking “heads of the military de-  
22                partments and the Assistant Secretary of De-  
23                fense for Research and Engineering” and in-  
24                serting “heads of the appropriate Department  
25                of Defense components”;

1           (C) in paragraph (1), by striking “lead the  
2 alternative fuels activities” and inserting “over-  
3 see the operational energy activities”;

4           (D) in paragraph (2), by striking “regard-  
5 ing the development of alternative fuels by the  
6 military departments and the Office of the Sec-  
7 retary of Defense” and inserting “regarding the  
8 policies and investments that affect the use of  
9 operational energy across the Department of  
10 Defense”;

11           (E) in paragraph (3), by striking “pre-  
12 scribe policy to streamline the investments in  
13 alternative fuel activities across the Department  
14 of Defense” and inserting “recommend to the  
15 Secretary policy to improve warfighting capa-  
16 bility through energy security and energy resil-  
17 ience”; and

18           (F) in paragraph (5), by striking “sub-  
19 section (e)(4)” and inserting “subsection  
20 (e)(4)”.

21       (b) CONFORMING AMENDMENTS.—(1) Section  
22 2925(b)(1) of title 10, United States Code, is amended  
23 by striking “section 2926(b)” and inserting “section  
24 2926(d)”.

1           (2) Section 1061(c)(55) of the National Defense Au-  
2 thORIZATION Act for Fiscal Year 2017 (Public Law 114-  
3 328; 10 U.S.C. 111 note) is amended by striking “section  
4 2926(c)(4)” and inserting “section 2926(e)(4)”.

5 **SEC. 315. FUNDING TREATMENT OF PERFLUOROCTANE**  
6                           **SULFONIC ACID AND PERFLUOROCTANOIC**  
7                           **ACID AT STATE-OWNED AND OPERATED NA-**  
8                           **TIONAL GUARD INSTALLATIONS.**

9           (a) ASSISTANCE AUTHORIZED.—The Secretary con-  
10 cerned may provide for the treatment of perfluorooctane  
11 sulfonic acid and perfluorooctanoic acid in drinking water  
12 from wells owned and operated by a local water authority  
13 undertaken to attain the lifetime health advisory level for  
14 such acids in drinking water.

15           (b) REQUIREMENTS FOR ASSISTANCE.—The Sec-  
16 retary concerned may only provide for the treatment of  
17 drinking water pursuant to subsection (a) if—

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

21                   (2) the elevated levels of perfluorooctane sul-  
22 fonic acid and perfluorooctanoic acid in the drinking  
23 water are the result of activities conducted by or  
24 paid for by the Department of the Army or the De-



1       partment of the Air Force at a State-owned Na-  
2       tional Guard installation;

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

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

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

15      (c) EXISTING AGREEMENTS.—Treatment of drinking  
16      water pursuant to subsection (a) may be provided without  
17      regard to existing contractual provisions in agreements be-  
18      tween the Department of the Army, the Department of  
19      the Air Force, or the National Guard Bureau, as the case  
20      may be, and the State in which the base is located relating  
21      to environmental response actions or indemnification.

22      (d) AUTHORITY TO ENTER INTO AGREEMENTS.—  
23      The Secretary concerned may enter into such grants, co-  
24      operative agreements, or contracts with a local water au-  
25      thority as may be necessary to implement this section.

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

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

9       (g) RETROACTIVE EFFECT.—Notwithstanding para-  
10 graphs (1), (3), (4) of subsection (b), the Secretary con-  
11 cerned may reimburse a local water authority or a State  
12 for the treatment of drinking water pursuant to this sec-  
13 tion if—

14           (1) the local water authority or state requested  
15 such a payment from the National Guard Bureau  
16 prior to March 1, 2018, or the National Guard Bu-  
17 reau was aware of a treatment plan by the local  
18 water authority or state prior to that date; and

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

23       (h) CONFORMING AMENDMENTS.—

24           (1) RESPONSIBILITY FOR RESPONSE AC-  
25 TIONS.—Section 2701(c)(1) of title 10, United

1 States Code, is amended by inserting “or pollutants  
2 or contaminants” after “releases of hazardous sub-  
3 stances”.

4 (2) DEFINITION OF FACILITY.—Section  
5 2700(2) of title 10, United States Code, is amend-  
6 ed—

7 (A) by striking “The terms ‘environment’,  
8 ‘facility’,” and inserting “(A) The terms ‘envi-  
9 ronment’,”; and

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

12 “(B) The term ‘facility’—

13 “(i) has the meaning given the term in sec-  
14 tion 101 of CERCLA (42 U.S.C. 9601); and

15 “(ii) includes real property which is owned  
16 by, leased, to, or otherwise possessed by the  
17 United States at locations conducting military  
18 activities under the authority of either this title  
19 or title 32.”.

20 (i) DEFINITIONS.—In this section—

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

1           (2) SECRETARY CONCERNED.—The term “Sec-  
2       retary concerned” means the Secretary of the Army  
3       or the Secretary of the Air Force.

4           (3) STATE.—The term “State” means any of  
5       the several States, the District of Columbia, the  
6       Commonwealth of Puerto Rico, Guam, and the Vir-  
7       gin Islands.

8           (4) STATE-OWNED NATIONAL GUARD INSTALLA-  
9       TION.—The term “State-owned National Guard in-  
10      stallation” means a facility or site owned or oper-  
11      ated by a State when such facility or site is used for  
12      training the National Guard pursuant to chapter 5  
13      of title 32, United States Code, with funds provided  
14      by the Secretary of Defense or the Secretary of a  
15      military department, even though the Department of  
16      Defense is not the owner or operator of such facility  
17      or site.

## 18                                   **Subtitle C—Reports**

### 19   **SEC. 321. REPORTS ON READINESS.**

20           (a) UNIFORM APPLICABILITY OF READINESS RE-  
21      PORTING SYSTEM.—Subsection (b) of section 117 of title  
22      10, United States Code, is amended—

23                   (1) by inserting “and maintaining” after “es-  
24      tablishing”;

1           (2) in paragraph (1), by striking “reporting  
2           system is applied uniformly throughout the Depart-  
3           ment of Defense” and inserting “reporting system  
4           and associated policies are applied uniformly  
5           throughout the Department of Defense, including  
6           between and among the joint staff and each of the  
7           armed forces”;

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

10          (4) by inserting after paragraph (1) the fol-  
11          lowing new paragraphs:

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

15           “(3) that readiness assessments are accom-  
16           plished at an organizational level at, or below, the  
17           level at which forces are employed;

18           “(4) that the reporting system include resources  
19           information, force posture, and mission centric capa-  
20           bility assessments, as well as predicted changes to  
21           these attributes;” and

22          (5) in paragraph (5), as redesignated by para-  
23          graph (3) of this subsection, by inserting “, or ele-  
24          ment of a unit,” after “readiness status of a unit”.

1 (b) CAPABILITIES OF READINESS REPORTING SYS-  
2 TEM.—Such section is further amended in subsection

3 (c)—

4 (1) in paragraph (1)—

5 (A) by striking “Measure, on a monthly  
6 basis, the capability of units” and inserting  
7 “Measure the readiness of units”; and

8 (B) by striking “conduct their assigned  
9 wartime missions” and inserting “conduct their  
10 designed and assigned missions”;

11 (2) in paragraph (2)—

12 (A) by striking “Measure, on an annual  
13 basis,” and inserting “Measure”; and

14 (B) by striking “wartime missions” and in-  
15 serting “designed and assigned missions”;

16 (3) in paragraph (3)—

17 (A) by striking “Measure, on an annual  
18 basis,” and inserting “Measure”; and

19 (B) by striking “wartime missions” and in-  
20 serting “designed and assigned missions”;

21 (4) in paragraph (4), by striking “Measure, on  
22 a monthly basis,” and inserting “Measure”;

23 (5) in paragraph (5), by striking “Measure, on  
24 an annual basis,” and inserting “Measure”;

1 (6) by striking paragraphs (6) and (8) and re-  
2 designating paragraph (7) as paragraph (6); and

3 (7) in paragraph (6), as so redesignated, by  
4 striking “Measure, on a quarterly basis,” and insert-  
5 ing “Measure”.

6 (c) SEMI-ANNUAL AND MONTHLY JOINT READINESS  
7 REVIEWS.—Such section is further amended in subsection  
8 (d)(1)(A) by inserting “, which includes a validation of  
9 readiness data currency and accuracy” after “joint readi-  
10 ness review”.

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

14 (1) in subsection (e), by striking “SUBMISSION  
15 TO CONGRESSIONAL COMMITTEES” and inserting  
16 “QUARTERLY REPORT ON JOINT READINESS”;

17 (2) by redesignating subsection (f) as sub-  
18 section (h); and

19 (3) by inserting after subsection (e) the fol-  
20 lowing new subsection:

21 “(f) QUARTERLY REPORT ON MONTHLY CHANGES IN  
22 CURRENT STATE OF READINESS OF UNITS.—The Sec-  
23 retary shall each quarter submit to the congressional de-  
24 fense committees a report on each monthly upgrade or  
25 downgrade of the current state of readiness of a unit that

1 was issued by the commander of a unit during the pre-  
2 vious quarter, together with the rationale of the com-  
3 mander for the issuance of such upgrade or downgrade.”.

4 (e) ANNUAL REPORT TO CONGRESS ON OPER-  
5 ATIONAL CONTRACT SUPPORT.—Such section is further  
6 amended by inserting after subsection (f), as added by  
7 subsection (d) of this section, the following new sub-  
8 section:

9 “(g) ANNUAL REPORT ON OPERATIONAL CONTRACT  
10 SUPPORT.—The Secretary shall each year submit to the  
11 congressional defense committees a report in writing con-  
12 taining the results of the most recent annual measurement  
13 of the capability of operational contract support to support  
14 current and anticipated wartime missions of the armed  
15 forces. Each such report shall be submitted in unclassified  
16 form, but may include a classified annex.”.

17 (f) REGULATIONS.—Such section is further amended  
18 in subsection (h), as redesignated by subsection (d) of this  
19 section, by striking “prescribe the units that are subject  
20 to reporting in the readiness reporting system, what type  
21 of equipment is subject to such reporting” and inserting  
22 “prescribe the established information technology system  
23 for Department of Defense reporting, specifically author-  
24 ize exceptions to a single-system architecture, and identify  
25 the organizations, units, and entities that are subject to



1 reporting in the readiness reporting system, what organi-  
2 zation resources are subject to such reporting”.

3 (g) CONFORMING AMENDMENTS.—

4 (1) SECTION HEADING.—Such section is further  
5 amended in the section heading by striking “: **es-**  
6 **tablishment; reporting to congressional**  
7 **committees”**.”.

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

“117. Readiness reporting system.”.

12 **SEC. 322. REPORT ON COLD WEATHER CAPABILITIES AND**  
13 **READINESS OF UNITED STATES ARMED**  
14 **FORCES.**

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

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

22 (1) A description of current cold weather capa-  
23 bilities and training to support United States mili-  
24 tary operations in cold climates across the joint  
25 force.

1           (2) A description of anticipated requirements  
2 for United States military operations in cold and ex-  
3 treme cold weather in the Arctic, Northeast Asia,  
4 and Northern and Eastern Europe.

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

10          (4) An analysis of potential opportunities to ex-  
11 pand cold weather training for the Army, the Navy,  
12 the Air Force, and the Marine Corps and the re-  
13 sources or infrastructure required for such expan-  
14 sion.

15          (5) An analysis of potential cold weather am-  
16 phibious landing locations, including the potential  
17 for a combined arms live fire exercise.

## 18           **Subtitle D—Other Matters**

### 19   **SEC. 331. PILOT PROGRAMS ON INTEGRATION OF MILITARY** 20                   **INFORMATION SUPPORT AND CIVIL AFFAIRS** 21                   **ACTIVITIES.**

22           (a) PILOT PROGRAMS AUTHORIZED.—

23           (1) IN GENERAL.—The commander of any geo-  
24 graphic combatant command designated by the Sec-  
25 retary of Defense for purposes of this section, and

1 the Commander of the United States Special Oper-  
2 ations Command if so designated, may carry out one  
3 or more pilot programs designed to assess the  
4 feasibility and advisability of integrating military in-  
5 formation support and civil affairs in support of the  
6 theater campaign plans of such combatant com-  
7 mand.

8 (2) CONCURRENCE OF CHIEFS OF MISSION.—  
9 Activities under a pilot program under this section  
10 may be carried out in a country only with the con-  
11 currence of the Chief of Mission for that country.

12 (b) REQUIREMENT FOR BOTH MILITARY INFORMA-  
13 TION SUPPORT AND CIVIL AFFAIRS CAPABILITIES.—

14 (1) IN GENERAL.—Except as provided in para-  
15 graphs (2) and (3), each pilot program under this  
16 section shall include both a military information sup-  
17 port capability and a civil affairs capability.

18 (2) NO MILITARY INFORMATION SUPPORT CAPA-  
19 BILITY.—A pilot program may be carried out in a  
20 region or country in which no military information  
21 support capability is deployed if the program is com-  
22 plemented by a Department of State public diplo-  
23 macy effort that contributes to the fulfillment of the  
24 objectives of the commander of the combatant com-  
25 mand concerned to convey information to foreign au-

1 diences in the region or county to influence their  
2 emotions, motives, objective reasoning, and behavior  
3 in support of the applicable theater campaign plan.

4 (3) NO CIVIL AFFAIRS CAPABILITY.—A pilot  
5 program may be carried out in a region or country  
6 in which no civil affairs capability is deployed if the  
7 program is complemented by an effort of the De-  
8 partment of State or the United States Agency for  
9 International Development to contribute to the ful-  
10 fillment of the objectives of the commander of the  
11 combatant command concerned to reestablish or  
12 maintain stability within the region or country in  
13 support of the applicable theater campaign plan.

14 (4) PLAN.—In the event a pilot program will be  
15 carried out pursuant to paragraph (2) or (3), plan-  
16 ning for the pilot program shall include an expla-  
17 nation of concept, budget, timeline, and metrics for  
18 measuring the effectiveness of activities of the De-  
19 partment of State or United States Agency for  
20 International Development, as applicable, under the  
21 pilot program.

22 (c) DURATION.—The authority to carry out pilot pro-  
23 grams under this section shall cease on September 30,  
24 2023.

25 (d) ANNUAL REPORTS.—

1           (1) IN GENERAL.—Not later than 90 days after  
2 the last day of each of fiscal year 2019 through  
3 2023, the Secretary shall submit to the congress-  
4 sional defense committees a report on the pilot pro-  
5 grams carried out under this section during the pre-  
6 ceding fiscal year.

7           (2) ELEMENTS.—Each report under this sub-  
8 section shall include, for the fiscal year covered by  
9 such report, the following:

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

12           (B) A list of all pilot programs com-  
13 menced, set forth by combatant command.

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

16           (D) The objectives of each pilot program  
17 carried out, and the metrics used or to be used  
18 to measure the effectiveness of such pilot pro-  
19 gram.

20           (E) A description of the manner in which  
21 each pilot program carried out supports the ap-  
22 plicable theater campaign plan of the com-  
23 manders of the combatant command concerned.

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

1           description and assessment of lessons learned  
2           through the program, and any recommenda-  
3           tions the Secretary considers appropriate for  
4           follow-on efforts in connection with the pro-  
5           gram.

6           (e) FUNDING.—

7           (1) IN GENERAL.—Of the amounts authorized  
8           to be appropriated for each of fiscal years 2019  
9           through 2023 for the Department of Defense for op-  
10          eration and maintenance and available for the com-  
11          batant commands, an aggregate of \$20,000,000 may  
12          be used in each such fiscal year by each such com-  
13          batant command for pilot programs under this sec-  
14          tion.

15          (2) LIMITATION ON AMOUNT FOR PARTICULAR  
16          PROGRAMS.—The amount expended on any par-  
17          ticular pilot program may not exceed \$2,000,000.

18          (f) DEFINITIONS.—In this section:

19          (1) CIVIL AFFAIRS.—The term “civil affairs”  
20          means activities intended to establish, maintain, in-  
21          fluence, or exploit relations between military forces,  
22          indigenous populations, and institutions by directly  
23          supporting the attainment of objectives relating to  
24          the reestablishment or maintenance of stability with-  
25          in a region or country.

1           (2) MILITARY INFORMATION SUPPORT.—The  
2 term “military information support” means oper-  
3 ations to convey selected information and indicators  
4 to foreign audiences to influence their emotions, mo-  
5 tives, objective reasoning, and ultimately the behav-  
6 ior of foreign governments, organizations, groups,  
7 and individuals in a manner favorable to the objec-  
8 tives of those planning such operations.

9           (3) THEATER CAMPAIGN PLAN.—The term  
10 “theater campaign plan” means a plan developed by  
11 a combatant command for the steady-state activities  
12 of the command, including operations, security co-  
13 operation, and other activities designed to achieve  
14 strategic end states in the theater.

15 **SEC. 332. REPORTING ON FUTURE YEARS BUDGETING BY**  
16 **SUBACTIVITY GROUP.**

17       Along with the budget for each fiscal year submitted  
18 by the President pursuant to section 1105(a) of title 31,  
19 United States Code, the Secretary of Defense and the Sec-  
20 retaries of the military departments shall include in the  
21 OP-5 Justification Books as detailed by Department of  
22 Defense Financial Management Regulation 7000.14-R the  
23 amount for each individual subactivity group (SAG) as de-  
24 tailed in the Department’s future years defense program  
25 pursuant to section 221 of title 10, United States Code.

1 **SEC. 333. RESTRICTION ON UPGRADES TO AVIATION DEM-**  
2 **ONSTRATION TEAM AIRCRAFT.**

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

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

17 **SEC. 334. U.S. SPECIAL OPERATIONS COMMAND CIVILIAN**  
18 **PERSONNEL.**

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



1 **SEC. 335. LIMITATION ON AVAILABILITY OF FUNDS FOR**  
2 **SERVICE-SPECIFIC DEFENSE READINESS RE-**  
3 **PORTING SYSTEMS.**

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

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

20 (c) **TRANSITION.**—The military services shall com-  
21 plete the transition to DRRS-S not later than October 1,  
22 2019. The Secretary of Defense shall notify the congres-  
23 sional defense committees upon the complete transition of  
24 the services.

25 (d) **REPORTING REQUIREMENT.**—

1           (1) IN GENERAL.—The Under Secretary for  
2 Personnel and Readiness, the Under Secretary for  
3 Acquisition and Sustainment, and the Under Sec-  
4 retary for Research and Engineering, in coordination  
5 with the Secretaries of the military departments and  
6 other organizations with relevant technical expertise,  
7 shall establish a working group including individuals  
8 with expertise in application or software develop-  
9 ment, data science, testing, and development and as-  
10 sessment of performance metrics to assess the cur-  
11 rent process for collecting, analyzing, and commu-  
12 nicating readiness data, and develop a strategy for  
13 implementing any recommended changes to improve  
14 and establish readiness metrics using the current  
15 DRRS-Strategic platform.

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

18                   (A) identification of modern tools, meth-  
19 ods, and approaches to readiness to more effec-  
20 tively and efficiently collect, analyze, and make  
21 decision based on readiness data; and

22                   (B) consideration of cost and schedule.

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

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

3 (e) DEFENSE READINESS REPORTING REQUIRE-  
4 MENTS.—To the maximum extent practicable, the Sec-  
5 retary of Defense shall meet defense readiness reporting  
6 requirements consistent with the recommendations of the  
7 working group established under subsection (d)(1).

8 **SEC. 336. REPURPOSING AND REUSE OF SURPLUS ARMY**  
9 **FIREARMS.**

10 Section 348(b) of the National Defense Authorization  
11 Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat.  
12 1365) is amended by inserting “shredded or” before  
13 “melted and repurposed”.

14 **SEC. 337. LIMITATION ON AVAILABILITY OF FUNDS FOR ES-**  
15 **TABLISHMENT OF ADDITIONAL SPECIALIZED**  
16 **UNDERGRADUATE PILOT TRAINING FACIL-**  
17 **ITY.**

18 (a) LIMITATION.—Of the funds authorized to be ap-  
19 propriated by this Act or otherwise made available for the  
20 Department of Defense for fiscal year 2019 for Specialized  
21 Undergraduate Pilot Training for the Air Force (referred  
22 to in this section as “SUPT”) no funds may be used to  
23 enter into a contract for the procurement of equipment,  
24 facilities, real property, or services to establish a new  
25 SUPT location in the United States until the date on

1 which the Secretary of the Air Force submits to the con-  
2 gressional defense committees the certification described  
3 under subsection (b).

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

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

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

11 (c) REPORT.—

12 (1) IN GENERAL.—Not later than March 1,  
13 2019, the Secretary of the Air Force shall submit to  
14 the congressional defense committees a report on ex-  
15 isting SUPT production, resourcing, and locations.

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

18 (A) A description of the strategy of the Air  
19 Force for utilizing existing SUPT locations to  
20 produce the number of pilots the Air Force re-  
21 quires.

22 (B) The number of pilots that each SUPT  
23 location has graduated, by year, over the pre-  
24 vious 5 fiscal years.

1 (C) The forecast number of pilots that  
2 each SUPT location will produce for fiscal year  
3 2019.

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

6 (E) A cost estimate of the resources re-  
7 quired for each SUPT location to reach max-  
8 imum production capacity.

9 (F) A determination as to whether increas-  
10 ing production capacity at existing SUPT loca-  
11 tions will satisfy the Air Force's SUPT require-  
12 ment.

13 (G) A timeline and cost estimation of es-  
14 tablishing a new SUPT location.

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

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

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

1 “(3) The authority under paragraphs (1) and (2) in-  
2 cludes activities and expenditures necessary to complete  
3 restoration to meet the regulations of the Federal depart-  
4 ment or agency with administrative jurisdiction over the  
5 affected land, which may be different than the regulations  
6 of the Department of Defense.”.

7 **SEC. 339. REDESIGNATION OF THE UTAH TEST AND TRAIN-**  
8 **ING RANGE (UTTR).**

9 The Utah Test and Training Range (UTTR) located  
10 in northwestern Utah and eastern Nevada may be redesis-  
11 nated.

12 **Subtitle E—Logistics and**  
13 **Sustainment**

14 **SEC. 351. LIMITATION ON MODIFICATIONS TO NAVY FACILI-**  
15 **TIES SUSTAINMENT, RESTORATION, AND**  
16 **MODERNIZATION (FSRM) STRUCTURE AND**  
17 **MECHANISM.**

18 The Secretary of the Navy may not make any modi-  
19 fication to the existing Navy Facilities Sustainment, Res-  
20 toration, and Modernization (FSRM) structure or mecha-  
21 nism that would modify duty relationships or significantly  
22 alter the existing structure until 90 days after providing  
23 notice of the proposed modification to the congressional  
24 defense committees.

1                   **TITLE IV—MILITARY**  
2                   **PERSONNEL AUTHORIZATIONS**  
3                   **Subtitle A—Active Forces**

4   **SEC. 401. END STRENGTHS FOR ACTIVE FORCES.**

5           The Armed Forces are authorized strengths for active  
6 duty personnel as of September 30, 2019, as follows:

- 7                   (1) The Army, 485,741.  
8                   (2) The Navy, 331,900.  
9                   (3) The Marine Corps, 186,100.  
10                  (4) The Air Force, 325,720.

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

13           The Armed Forces are authorized strengths for com-  
14 missioned officers on active duty as of September 30,  
15 2019, in the grades as follows in the number specified:

- 16                   (1) The Army:  
17                           (A) Colonel, 3,970.  
18                           (B) Lieutenant colonel, 8,700.  
19                           (C) Major, 15,470.  
20                   (2) The Navy:  
21                           (A) Captain, 3,060.  
22                           (B) Commander, 6,670.  
23                           (C) Lieutenant commander, 11,010.  
24                   (3) The Marine Corps:  
25                           (A) Colonel, 650.

1 (B) Lieutenant colonel, 1,910.

2 (C) Major, 3,920.

3 (4) The Air Force:

4 (A) Colonel, 3,450.

5 (B) Lieutenant colonel, 10,270.

6 (C) Major, 13,920.

## 7 **Subtitle B—Reserve Forces**

### 8 **SEC. 411. END STRENGTHS FOR SELECTED RESERVE.**

9 (a) IN GENERAL.—The Armed Forces are authorized  
10 strengths for Selected Reserve personnel of the reserve  
11 components as of September 30, 2019, as follows:

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

14 (2) The Army Reserve, 199,500.

15 (3) The Navy Reserve, 59,000.

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

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

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

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

21 (b) END STRENGTH REDUCTIONS.—The end  
22 strengths prescribed by subsection (a) for the Selected Re-  
23 serve of any reserve component shall be proportionately  
24 reduced by—



1           (1) the total authorized strength of units orga-  
2 nized to serve as units of the Selected Reserve of  
3 such component which are on active duty (other  
4 than for training) at the end of the fiscal year; and

5           (2) the total number of individual members not  
6 in units organized to serve as units of the Selected  
7 Reserve of such component who are on active duty  
8 (other than for training or for unsatisfactory partici-  
9 pation in training) without their consent at the end  
10 of the fiscal year.

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

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

21       Within the end strengths prescribed in section  
22 411(a), the reserve components of the Armed Forces are  
23 authorized, as of September 30, 2019, the following num-  
24 ber of Reserves to be serving on full-time active duty or  
25 full-time duty, in the case of members of the National

1 Guard, for the purpose of organizing, administering, re-  
2 cruiting, instructing, or training the reserve components:

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

5 (2) The Army Reserve, 16,261.

6 (3) The Navy Reserve, 10,101.

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

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

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

11 **SEC. 413. END STRENGTHS FOR MILITARY TECHNICIANS**

12 **(DUAL STATUS).**

13 The minimum number of military technicians (dual  
14 status) as of the last day of fiscal year 2019 for the re-  
15 serve components of the Army and the Air Force (notwith-  
16 standing section 129 of title 10, United States Code) shall  
17 be the following:

18 (1) For the Army National Guard of the United  
19 States, 22,294.

20 (2) For the Army Reserve, 6,492.

21 (3) For the Air National Guard of the United  
22 States, 18,969.

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

1 **SEC. 414. MAXIMUM NUMBER OF RESERVE PERSONNEL AU-**  
2 **THORIZED TO BE ON ACTIVE DUTY FOR**  
3 **OPERATIONAL SUPPORT.**

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

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

11 (2) The Army Reserve, 13,000.

12 (3) The Navy Reserve, 6,200.

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

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

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

17 **Subtitle C—Authorization of**  
18 **Appropriations**

19 **SEC. 421. MILITARY PERSONNEL.**

20 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
21 are hereby authorized to be appropriated for fiscal year  
22 2019 for the use of the Armed Forces and other activities  
23 and agencies of the Department of Defense for expenses,  
24 not otherwise provided for, for military personnel, as spec-  
25 ified in the funding table in section 4401.

1 (b) CONSTRUCTION OF AUTHORIZATION.—The au-  
2 thorization of appropriations in subsection (a) supersedes  
3 any other authorization of appropriations (definite or in-  
4 definite) for such purpose for fiscal year 2019.

5 **SEC. 422. LIMITATION ON USE OF FUNDS FOR PERSONNEL**  
6 **IN FISCAL YEAR 2019 IN EXCESS OF STATU-**  
7 **TORILY SPECIFIED END STRENGTHS FOR FIS-**  
8 **CAL YEAR 2018.**

9 Notwithstanding any other provision of this title,  
10 funds authorized to be appropriated by this Act or other-  
11 wise made available for the Department of Defense for  
12 fiscal year 2019 for military personnel may be not obli-  
13 gated or expended for a number of military personnel cov-  
14 ered by an end strength in title IV of the National Defense  
15 Authorization Act for Fiscal Year 2018 (Public Law 115–  
16 91) in excess of such end strength until the Secretary of  
17 Defense has submitted to the congressional defense com-  
18 mittees the report required under subsection (b) of section  
19 1041.

1 **TITLE V—MILITARY PERSONNEL**  
2 **POLICY**

3 **Subtitle A—Officer Personnel**  
4 **Policy**

5 **PART I—OFFICER PERSONNEL MANAGEMENT**  
6 **REFORM**

7 **SEC. 501. REPEAL OF CODIFIED SPECIFICATION OF AU-**  
8 **THORIZED STRENGTHS OF CERTAIN COMMIS-**  
9 **SIONED OFFICERS ON ACTIVE DUTY.**

10 Effective as of October 1, 2018, the text of section  
11 523 of title 10, United States Code, is amended to read  
12 as follows:

13 “The total number of commissioned officers serving  
14 on active duty in the Army, Air Force, or Marine Corps  
15 in each of the grades of major, lieutenant colonel, or colo-  
16 nel, or in the Navy in each of the grades of lieutenant  
17 commander, commander, or captain, at the end of any fis-  
18 cal year shall be as specifically authorized by Act of Con-  
19 gress for such fiscal year.”.

20 **SEC. 502. ANNUAL DEFENSE MANPOWER REQUIREMENTS**  
21 **REPORT MATTERS.**

22 (a) DATE OF SUBMITTAL.—Subsection (a) of section  
23 115a of title 10, United States Code, is amended in the  
24 matter preceding paragraph (1) by striking “not later

1 than 45 days after the date on which” and inserting “on  
2 the date on which”.

3 (b) SPECIFICATION OF ANTICIPATED OPPORTUNI-  
4 TIES FOR PROMOTION OF COMMISSIONED OFFICERS.—  
5 Subsection (d) of such section is amended by adding the  
6 following new paragraph:

7 “(4) The opportunities for promotion of com-  
8 missioned officers anticipated to be estimated pursu-  
9 ant to section 623(b)(4) of this title for the fiscal  
10 year in which such report is submitted for purposes  
11 of promotion selection boards convened pursuant to  
12 section 611 of this title during such fiscal year.”.

13 (c) ENUMERATION OF REQUIRED NUMBERS OF CER-  
14 TAIN COMMISSIONED OFFICERS.—Such section is further  
15 amended by adding at the end the following new sub-  
16 section:

17 “(i) In each such report, the Secretary shall also in-  
18 clude a separate statement of the number of officers re-  
19 quired for the next fiscal year in each grade as follows:

20 “(1) Major, lieutenant colonel, and colonel of  
21 each of the Army, the Air Force, and the Marine  
22 Corps.

23 “(2) Lieutenant commander, commander, and  
24 captain of the Navy.”.

1 **SEC. 503. REPEAL OF REQUIREMENT FOR ABILITY TO COM-**  
2 **plete 20 YEARS OF SERVICE BY AGE 62 AS**  
3 **QUALIFICATION FOR ORIGINAL APPOINT-**  
4 **MENT AS A REGULAR COMMISSIONED OFFI-**  
5 **CER.**

6 (a) REPEAL.—Subsection (a) of section 532 of title  
7 10, United States Code, is amended—

8 (1) by striking paragraph (2); and

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

11 (b) CONFORMING AMENDMENT.—Such section is fur-  
12 ther amended by striking subsection (d).

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

18 **SEC. 504. ENHANCEMENT OF AVAILABILITY OF CONSTRUC-**  
19 **TIVE SERVICE CREDIT FOR PRIVATE SECTOR**  
20 **TRAINING OR EXPERIENCE UPON ORIGINAL**  
21 **APPOINTMENT AS A COMMISSIONED OFFI-**  
22 **CER.**

23 (a) REGULAR OFFICERS.—

24 (1) IN GENERAL.—Subsection (b) of section  
25 533 of title 10, United States Code, is amended—

1 (A) in paragraph (1), by striking subpara-  
2 graph (D) and inserting the following new sub-  
3 paragraph (D):

4 “(D) Additional credit for special training or  
5 experience in a particular officer career field as des-  
6 ignated by the Secretary concerned, if such training  
7 or experience is directly related to the operational  
8 needs of the armed force concerned.”; and

9 (B) in paragraph (2)—

10 (i) by striking “Except as authorized  
11 by the Secretary concerned in individual  
12 cases and under regulations prescribed by  
13 the Secretary of Defense in the case of a  
14 medical or dental officer, the amount” and  
15 inserting “The amount”; and

16 (ii) by striking “in the grade of major  
17 in the Army, Air Force, or Marine Corps  
18 or lieutenant commander in the Navy” and  
19 inserting “in the grade of colonel in the  
20 Army, Air Force, or Marine Corps or cap-  
21 tain in the Navy”.

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



1 (A) in subsections (a)(2) and (c), by strik-  
2 ing “or (g)”; and

3 (B) by striking subsection (g).

4 (b) RESERVE OFFICERS.—

5 (1) IN GENERAL.—Subsection (b) of section  
6 12207 of title 10, United States Code, is amended—

7 (A) in paragraph (1), by striking subpara-  
8 graph (D) and inserting the following new sub-  
9 paragraph (D):

10 “(D) Additional credit for special training or  
11 experience in a particular officer career field as des-  
12 ignated by the Secretary concerned, if such training  
13 or experience is directly related to the operational  
14 needs of the armed force concerned.”; and

15 (B) by striking paragraph (3) and insert-  
16 ing the following new paragraph (3):

17 “(3) The amount of constructive service credit cred-  
18 ited to an officer under this subsection may not exceed  
19 the amount required in order for the officer to be eligible  
20 for an original appointment as a reserve officer of the  
21 Army, Air Force, or Marine Corps in the grade of colonel  
22 or as a reserve officer of the Navy in the grade of cap-  
23 tain.”.

24 (2) REPEAL OF TEMPORARY AUTHORITY FOR  
25 SERVICE CREDIT FOR CRITICALLY NECESSARY

1 CYBERSPACE-RELATED EXPERIENCE.—Such section  
2 is further amended—

3 (A) by striking subsection (e);

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

6 (C) in subsection (e), as redesignated by  
7 subparagraph (B), by striking “, (d), or (e)”  
8 and inserting “or (d)”.

9 **SEC. 505. STANDARDIZED TEMPORARY PROMOTION AU-**  
10 **THORITY ACROSS THE MILITARY DEPART-**  
11 **MENTS FOR OFFICERS IN CERTAIN GRADES**  
12 **WITH CRITICAL SKILLS.**

13 (a) STANDARDIZED TEMPORARY PROMOTION AU-  
14 THORITY.—

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

18 **“§ 605. Promotion to certain grades for officers with**  
19 **critical skills: colonel, lieutenant colonel,**  
20 **major, captain; captain, commander, lieu-**  
21 **tenant commander, lieutenant**

22 **“(a) IN GENERAL.—An officer in the grade of first**  
23 **lieutenant, captain, major, or lieutenant colonel in the**  
24 **Army, Air Force, or Marine Corps, or lieutenant (junior**  
25 **grade), lieutenant, lieutenant commander, or commander**

1 in the Navy, who is described in subsection (b) may be  
2 temporarily promoted to the grade of captain, major, lieu-  
3 tenant colonel, or colonel in the Army, Air Force, or Ma-  
4 rine Corps, or lieutenant, lieutenant commander, com-  
5 mander, or captain in the Navy, as applicable, under regu-  
6 lations prescribed by the Secretary of the military depart-  
7 ment concerned. Appointments under this section shall be  
8 made by the President, by and with the advice and consent  
9 of the Senate.

10 “(b) COVERED OFFICERS.—An officer described in  
11 this subsection is any officer in a grade specified in sub-  
12 section (a) who—

13 “(1) has a skill in which the armed force con-  
14 cerned has a critical shortage of personnel (as deter-  
15 mined by the Secretary of the military department  
16 concerned); and

17 “(2) is serving in a position (as determined by  
18 the Secretary of the military department concerned)  
19 that—

20 “(A) is designated to be held by a captain,  
21 major, lieutenant colonel, or colonel in the  
22 Army, Air Force, or Marine Corps, or lieuten-  
23 ant, lieutenant commander, commander, or cap-  
24 tain in the Navy, as applicable; and

1           “(B) requires that an officer serving in  
2           such position have the skill possessed by such  
3           officer.

4           “(c) STATUS OF OFFICERS APPOINTED.—

5           “(1) PRESERVATION OF POSITION AND STA-  
6           TUS.—An appointment under this section does not  
7           change the position on the active-duty list or the  
8           permanent, probationary, or acting status of the of-  
9           ficer so appointed, prejudice the officer in regard to  
10          other promotions or appointments, or abridge the  
11          rights or benefits of the officer.

12          “(2) GRADE FOR PURPOSES OF ANNUAL DE-  
13          FENSE MANPOWER REPORTS.—For purposes of sec-  
14          tion 115a of this title, an officer holding an appoint-  
15          ment under this section is considered as serving in  
16          the grade of the temporary promotion this section.

17          “(d) BOARD RECOMMENDATION REQUIRED.—A tem-  
18          porary promotion under this section may be made only  
19          upon the recommendation of a board of officers convened  
20          by the Secretary of the military department concerned for  
21          the purpose of recommending officers for such promotions.

22          “(e) ACCEPTANCE AND EFFECTIVE DATE OF AP-  
23          POINTMENT.—Each appointment under this section, un-  
24          less expressly declined, is, without formal acceptance, re-  
25          garded as accepted on the date such appointment is made,

1 and a member so appointed is entitled to the pay and al-  
2 lowances of the grade of the temporary promotion under  
3 this section from the date the appointment is made.

4 “(f) TERMINATION OF APPOINTMENT.—Unless soon-  
5 er terminated, an appointment under this section termi-  
6 nates—

7 “(1) on the date the officer who received the  
8 appointment is promoted to the permanent grade of  
9 captain, major, lieutenant colonel, or colonel in the  
10 Army, Air Force, or Marine Corps, or lieutenant,  
11 lieutenant commander, commander, or captain in the  
12 Navy; or

13 “(2) on the date the officer is detached from a  
14 position described in subsection (b)(2), unless the of-  
15 ficer is on a promotion list to the permanent grade  
16 of captain, major, lieutenant colonel, or colonel in  
17 the Army, Air Force, or Marine Corps, or lieutenant,  
18 lieutenant commander, commander, or captain in the  
19 Navy, in which case the appointment terminates on  
20 the date the officer is promoted to that grade.

21 “(g) LIMITATION ON NUMBER OF ELIGIBLE POSI-  
22 TIONS.—An appointment under this section may only be  
23 made for service in a position designated by the Secretary  
24 of the military department concerned for the purposes of

1 this section. The number of positions so designated may  
 2 not exceed the following:

3 “(1) In the case of the Army—

4 “(A) as captain, 120;

5 “(B) as major, 350;

6 “(C) as lieutenant colonel, 200; and

7 “(D) as colonel, 100.

8 “(2) In the case of the Air Force—

9 “(A) as captain, 100;

10 “(B) as major, 325;

11 “(C) as lieutenant colonel, 175; and

12 “(D) as colonel, 80.

13 “(3) In the case of the Marine Corps—

14 “(A) as captain, 50;

15 “(B) as major, 175;

16 “(C) as lieutenant colonel, 100; and

17 “(D) as colonel, 50.

18 “(4) In the case of the Navy—

19 “(A) as lieutenant, 100;

20 “(B) as lieutenant commander, 325;

21 “(C) as commander, 175; and

22 “(D) as captain, 80.”.

23 (2) CLERICAL AMENDMENT.—The table of sec-  
 24 tions at the beginning of chapter 35 of such title is

1 amended by adding at the end the following new  
2 item:

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

3 (b) REPEAL OF SUPERSEDED AUTHORITY APPLICA-  
4 BLE TO NAVY LIEUTENANTS.—

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

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

12 **SEC. 506. AUTHORITY FOR PROMOTION BOARDS TO REC-**  
13 **COMMEND OFFICERS OF PARTICULAR MERIT**  
14 **BE PLACED HIGHER ON A PROMOTION LIST.**

15 (a) DOPMA BOARDS.—

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

19 “(g)(1) In selecting the officers to be recommended  
20 for promotion, a selection board may, when authorized by  
21 the Secretary of the military department concerned, rec-  
22 ommend officers of particular merit, from among those of-  
23 ficers selected for promotion, to be placed higher on the

1 promotion list established by the Secretary under section  
2 624(a)(1) of this title.

3       “(2) An officer may be recommended to be placed  
4 higher on a promotion list under paragraph (1) only if  
5 the officer receives the recommendation of at least a ma-  
6 jority of the members of the board, unless the Secretary  
7 concerned establishes an alternative requirement. Any  
8 such alternative requirement shall be furnished to the  
9 board as part of the guidelines furnished to the board  
10 under section 615 of this title.

11       “(3) For the officers recommended to be placed high-  
12 er on a promotion list under paragraph (1), the board  
13 shall recommend the order in which those officers should  
14 be placed on the list.”.

15               (2) PROMOTION SELECTION BOARD REPORTS  
16       RECOMMENDING OFFICERS OF PARTICULAR MERIT  
17       BE PLACED HIGHER ON PROMOTION LIST.—Section  
18       617 of such title is amended by adding at the end  
19       the following new subsection:

20       “(d) A selection board convened under section 611(a)  
21 of this title shall, when authorized under section 616(g)  
22 of this title, include in its report to the Secretary con-  
23 cerned the names of those officers recommended by the  
24 board to be placed higher on the promotion list and the



1 order in which the board recommends that those officers  
2 should be placed on the list.”.

3 (3) OFFICERS OF PARTICULAR MERIT APPEAR-  
4 ING HIGHER ON PROMOTION LIST.—Section  
5 624(a)(1) of such title is amended in the first sen-  
6 tence by adding at the end “or based on particular  
7 merit, as determined by the promotion board”.

8 (b) ROPMA BOARDS.—

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

12 “(f) OFFICERS OF PARTICULAR MERIT.—(1) In se-  
13 lecting the officers to be recommended for promotion, a  
14 promotion board may, when authorized by the Secretary  
15 of the military department concerned, recommend officers  
16 of particular merit, from among those officers selected for  
17 promotion, to be placed higher on the promotion list estab-  
18 lished by the Secretary under section 14308(a) of this  
19 title.

20 “(2) An officer may be recommended to be placed  
21 higher on a promotion list under paragraph (1) only if  
22 the officer receives the recommendation of at least a ma-  
23 jority of the members of the board, unless the Secretary  
24 concerned establishes an alternative requirement. Any  
25 such alternative requirement shall be furnished to the

1 board as part of the guidelines furnished to the board  
2 under section 14107 of this title.

3 “(3) For the officers recommended to be placed high-  
4 er on a promotion list under paragraph (1), the board  
5 shall recommend the order in which those officers should  
6 be placed on the list.”.

7 (2) PROMOTION BOARD REPORTS RECOM-  
8 MENDING OFFICERS OF PARTICULAR MERIT BE  
9 PLACED HIGHER ON PROMOTION LIST.—Section  
10 14109 of such title is amended by adding at the end  
11 the following new subsection:

12 “(d) OFFICERS OF PARTICULAR MERIT.—A pro-  
13 motion board convened under section 14101(a) of this title  
14 shall, when authorized under section 14108(f) of this title,  
15 include in its report to the Secretary concerned the names  
16 of those officers recommended by the board to be placed  
17 higher on the promotion list and the order in which the  
18 board recommends that those officers should be placed on  
19 the list.”.

20 (3) OFFICERS OF PARTICULAR MERIT APPEAR-  
21 ING HIGHER ON PROMOTION LIST.—Section  
22 14308(a) of such title is amended in the first sen-  
23 tence by adding at the end “or based on particular  
24 merit, as determined by the promotion board”.

1 **SEC. 507. AUTHORITY FOR OFFICERS TO OPT OUT OF PRO-**  
2 **MOTION BOARD CONSIDERATION.**

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

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

7 “(6) An officer excluded under subsection (e).”;

8 and

9 (2) by adding at the end the following new sub-  
10 section:

11 “(e) AUTHORITY TO ALLOW OFFICERS TO OPT OUT  
12 OF SELECTION BOARD CONSIDERATION.—(1) The Sec-  
13 retary of a military department may provide that an offi-  
14 cer under the jurisdiction of the Secretary may, upon the  
15 officer’s request and with the approval of the Secretary,  
16 be excluded from consideration by a selection board con-  
17 vened under section 611(a) of this title to consider officers  
18 for promotion to the next higher grade.

19 “(2) The Secretary concerned may only approve a re-  
20 quest under paragraph (1) if—

21 “(A) the basis for the request is to allow an of-  
22 ficer to complete a broadening assignment, advanced  
23 education, another assignment of significant value to  
24 the Department, or a career progression requirement  
25 delayed by the assignment or education;

1           “(B) the Secretary determines the exclusion  
2 from consideration is in the best interest of the mili-  
3 tary department concerned; and

4           “(C) the officer has not previously failed of se-  
5 lection for promotion to the grade for which the offi-  
6 cer requests the exclusion from consideration.”.

7           (b) RESERVE ACTIVE-STATUS LIST OFFICERS.—Sec-  
8 tion 14301 of such title is amended—

9           (1) in subsection (c)—

10           (A) in the subsection heading, by striking  
11 “PREVIOUSLY SELECTED OFFICERS NOT ELI-  
12 GIBLE” and inserting “CERTAIN OFFICERS  
13 NOT”; and

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

16           “(6) An officer excluded under subsection (j).”;

17           and

18           (2) by adding at the end the following new sub-  
19 section:

20           “(j) AUTHORITY TO ALLOW OFFICERS TO OPT OUT  
21 OF SELECTION BOARD CONSIDERATION.—(1) The Sec-  
22 retary a military department may provide that an officer  
23 under the jurisdiction of the Secretary may, upon the offi-  
24 cer’s request and with the approval of the Secretary, be  
25 excluded from consideration by a selection board convened

1 under section 14101(a) of this title to consider officers  
2 for promotion to the next higher grade.

3 “(2) The Secretary concerned may only approve a re-  
4 quest under paragraph (1) if—

5 “(A) the basis for the request is to allow an of-  
6 ficer to complete a broadening assignment, advanced  
7 education, another assignment of significant value to  
8 the Department, or a career progression requirement  
9 delayed by the assignment or education;

10 “(B) the Secretary determines the exclusion  
11 from consideration is in the best interest of the mili-  
12 tary department concerned; and

13 “(C) the officer has not previously failed of se-  
14 lection for promotion to the grade for which the offi-  
15 cer requests the exclusion from consideration.”.

16 **SEC. 508. COMPETITIVE CATEGORY MATTERS.**

17 Section 621 of title 10, United States Code, is  
18 amended—

19 (1) by inserting “(a) COMPETITIVE CAT-  
20 EGORIES.—” before “Under regulations”; and

21 (2) by adding at the end the following new sub-  
22 sections:

23 “(b) BASES FOR COMPETITIVE CATEGORIES.—Com-  
24 petitive categories shall be established on the bases as fol-  
25 lows:

1           “(1) Officers occupying similar officer qualifica-  
2           tions, specialties, occupations, or ratings shall be  
3           grouped together.

4           “(2) Promotion timing, promotion opportunity,  
5           and officer career length shall each be tailored to  
6           particular officer qualifications, specialties, occupa-  
7           tions, or ratings.

8           “(c) CONSISTENCY NOT REQUIRED IN PROMOTION  
9           TIMING OR OPPORTUNITY.—In establishing competitive  
10          categories, the Secretary of a military department shall  
11          not be required to provide consistency in promotion timing  
12          or promotion opportunity among competitive categories of  
13          the armed force concerned.”.

14       **SEC. 509. PROMOTION ZONE MATTERS.**

15          (a) ALIGNMENT WITH ANNUAL DEFENSE MAN-  
16          POWER REQUIREMENTS REPORTS.—Subsection (b) of sec-  
17          tion 623 of title 10, United States Code, is amended—

18               (1) in paragraph (3), by striking “and” at the  
19               end;

20               (2) in paragraph (4), by striking the period at  
21               the end and inserting “; and”; and

22               (3) by adding after paragraph (4) the following  
23               new paragraph (5):

24                       “(5) the alignment of opportunities for pro-  
25                       motion for officers considered by any particular se-

1       lection board with opportunities for promotion in the  
 2       next year as estimated pursuant to paragraph (4)  
 3       and reported in the annual defense manpower re-  
 4       quirements report covering such year under section  
 5       115a of this title.”.

6       (b) PROHIBITION ON DETERMINATION OF OFFICERS  
 7       IN PROMOTION ZONE BASED ON YEAR OF ORIGINAL AP-  
 8       POINTMENT TO CURRENT GRADE.—

9               (1) IN GENERAL.—Such section is further  
 10       amended by adding at the end the following new  
 11       subsection:

12       “(c) The Secretary concerned may not determine the  
 13       number of officers in a promotion zone on the basis of  
 14       the year in which officers receive their original appoint-  
 15       ment in their current grade.”.

16               (2) EFFECTIVE DATE.—The amendment made  
 17       by paragraph (1) shall take effect on the date of the  
 18       enactment of this Act, and shall apply with respect  
 19       to promotion zones established for promotion selec-  
 20       tion boards convened on or after that date.

21       **SEC. 510. ALTERNATIVE PROMOTION AUTHORITY FOR OF-**  
 22                               **FICERS IN DESIGNATED COMPETITIVE CAT-**  
 23                               **EGORIES OF OFFICERS.**

24       (a) ALTERNATIVE PROMOTION AUTHORITY.—

1 (1) IN GENERAL.—Chapter 36 of title 10,  
 2 United States Code, is amended by adding at the  
 3 end the following new subchapter:

4 “SUBCHAPTER VI—ALTERNATIVE PROMOTION  
 5 AUTHORITY FOR OFFICERS IN DES-  
 6 IGNATED 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.

7 “§ 649a. Officers in designated competitive categories

8 “(a) AUTHORITY TO DESIGNATE COMPETITIVE CAT-  
 9 EGORIES OF OFFICERS.—Each Secretary of a military de-  
 10 partment may designate one or more competitive cat-  
 11 egories for promotion of officers under section 621 of this  
 12 title that are under the jurisdiction of such Secretary as  
 13 a competitive category of officers whose promotion, retire-  
 14 ment, and continuation on active duty shall be subject to  
 15 the provisions of this subchapter.

16 “(b) LIMITATION ON EXERCISE OF AUTHORITY.—  
 17 The Secretary of a military department may not designate  
 18 a competitive category of officers for purposes of this sub-  
 19 chapter until 60 days after the date on which the Sec-



1   retary submits to the Committees on Armed Services of  
2   the Senate and the House of Representatives a report on  
3   the designation of the competitive category. The report on  
4   the designation of a competitive category shall set forth  
5   the following:

6           “(1) A detailed description of officer require-  
7           ments for officers within the competitive category.

8           “(2) An explanation of the number of opportu-  
9           nities for consideration for promotion to each par-  
10          ticular grade, and an estimate of promotion timing,  
11          within the competitive category.

12          “(3) An estimate of the size of the promotion  
13          zone for each grade within the competitive category.

14          “(4) A description of any other matters the  
15          Secretary considered in determining to designate the  
16          competitive category for purposes of this subchapter.

17   **“§ 649b. Selection for promotion**

18          “(a) IN GENERAL.—Except as provided in this sec-  
19          tion, the selection for promotion of officers in any competi-  
20          tive category of officers designated for purposes of this  
21          subchapter shall be governed by the provisions of sub-  
22          chapter I of this chapter.

23          “(b) NO RECOMMENDATION FOR PROMOTION OF OF-  
24          FICERS BELOW PROMOTION ZONE.—Section 616(b) of

1 this title shall not apply to the selection for promotion of  
2 officers described in subsection (a).

3       “(c) RECOMMENDATION FOR OFFICERS TO BE EX-  
4 CLUDED FROM FUTURE CONSIDERATION FOR PRO-  
5 MOTION.—In making recommendations pursuant to sec-  
6 tion 616 of this title for purposes of the administration  
7 of this subchapter, a selection board convened under sec-  
8 tion 611(a) of this title may recommend that an officer  
9 considered by the board be excluded from future consider-  
10 ation for promotion under this chapter.

11 **“§ 649c. Eligibility for consideration for promotion**

12       “(a) IN GENERAL.—Except as provided by this sec-  
13 tion, eligibility for promotion of officers in any competitive  
14 category of officers designated for purposes of this sub-  
15 chapter shall be governed by the provisions of section 619  
16 of this title.

17       “(b) INAPPLICABILITY OF CERTAIN TIME-IN-GRADE  
18 REQUIREMENTS.—Paragraphs (2) through (4) of section  
19 619(a) of this title shall not apply to the promotion of  
20 officers described in subsection (a).

21       “(c) INAPPLICABILITY TO OFFICERS ABOVE AND  
22 BELOW PROMOTION ZONE.—The following provisions of  
23 section 619(c) of this title shall not apply to the promotion  
24 of officers described in subsection (a):

1           “(1) The reference in paragraph (1) of that sec-  
2           tion to an officer above the promotion zone.

3           “(2) Paragraph (2)(A) of that section.

4           “(d) INELIGIBILITY OF CERTAIN OFFICERS.—The  
5           following officers are not eligible for promotion under this  
6           subchapter:

7           “(1) An officer described in section 619(d) of  
8           this title.

9           “(2) An officer not included within the pro-  
10          motion zone.

11          “(3) An officer who has failed of promotion to  
12          a higher grade the maximum number of times speci-  
13          fied for opportunities for promotion for such grade  
14          within the competitive category concerned pursuant  
15          to section 649d of this title.

16          “(4) An officer recommended by a selection  
17          board to be removed from consideration for pro-  
18          motion in accordance with section 649b(c) of this  
19          title.

20       **“§ 649d. Opportunities for consideration for pro-**  
21                               **motion**

22          “(a) SPECIFICATION OF NUMBER OF OPPORTUNI-  
23          TIES FOR CONSIDERATION FOR PROMOTION.—In desig-  
24          nating a competitive category of officers pursuant to sec-  
25          tion 649a of this title, the Secretary of a military depart-

1 ment shall specify the number of opportunities for consid-  
2 eration for promotion to be afforded officers of the armed  
3 force concerned within the category for promotion to each  
4 grade above the grade of first lieutenant or lieutenant  
5 (junior grade), as applicable.

6       “(b) LIMITED AUTHORITY OF SECRETARY OF MILI-  
7 TARY DEPARTMENT TO MODIFY NUMBER OF OPPORTUNI-  
8 TIES.—The Secretary of a military department may mod-  
9 ify the number of opportunities for consideration for pro-  
10 motion to be afforded officers of an armed force within  
11 a competitive category for promotion to a particular grade,  
12 as previously specified by the Secretary pursuant sub-  
13 section (a) or this subsection, not more frequently than  
14 once every five years.

15       “(c) DISCRETIONARY AUTHORITY OF SECRETARY OF  
16 DEFENSE TO MODIFY NUMBER OF OPPORTUNITIES.—  
17 The Secretary of Defense may modify the number of op-  
18 portunities for consideration for promotion to be afforded  
19 officers of an armed force within a competitive category  
20 for promotion to a particular grade, as previously specified  
21 or modified pursuant to any provision of this section, at  
22 the discretion of the Secretary.

23       “(d) LIMITATION ON NUMBER OF OPPORTUNITIES  
24 SPECIFIED.—The number of opportunities for consider-  
25 ation for promotion to be afforded officers of an armed

1 force within a competitive category for promotion to a par-  
2 ticular grade, as specified or modified pursuant to any  
3 provision of this section, may not exceed five opportuni-  
4 ties.

5 “(e) EFFECT OF CERTAIN REDUCTION IN NUMBER  
6 OF OPPORTUNITIES SPECIFIED.—If, by reason of a reduc-  
7 tion in the number of opportunities for consideration for  
8 promotion under this section, an officer would no longer  
9 have one or more opportunities for consideration for pro-  
10 motion that were available to the officer before the reduc-  
11 tion, the officer shall be afforded one additional oppor-  
12 tunity for consideration for promotion after the reduction.

13 **“§ 649e. Promotions**

14 “Sections 620 through 626 of this title shall apply  
15 in promotions of officers in competitive categories of offi-  
16 cers designated for purposes of this subchapter.

17 **“§ 649f. Failure of selection for promotion**

18 “(a) IN GENERAL.—Except as provided in this sec-  
19 tion, sections 627 through 632 of this title shall apply to  
20 promotions of officers in competitive categories of officers  
21 designated for purposes of this subchapter.

22 “(b) INAPPLICABILITY OF FAILURE OF SELECTION  
23 FOR PROMOTION TO OFFICERS ABOVE PROMOTION  
24 ZONE.—The reference in section 627 of this title to an

1 officer above the promotion zone shall not apply in the  
2 promotion of officers described in subsection (a).

3 “(c) SPECIAL SELECTION BOARD MATTERS.—The  
4 reference in section 628(a)(1) of this title to a person  
5 above the promotion zone shall not apply in the promotion  
6 of officers described in subsection (a).

7 “(d) EFFECT OF FAILURE OF SELECTION.—In the  
8 administration of this subchapter pursuant to subsection  
9 (a)—

10 “(1) an officer described in subsection (a) shall  
11 not be deemed to have failed twice of selection for  
12 promotion for purposes of section 629(e)(2) of this  
13 title until the officer has failed selection of pro-  
14 motion to the next higher grade the maximum num-  
15 ber of times specified for opportunities for pro-  
16 motion to such grade within the competitive category  
17 concerned pursuant to section 649d of this title; and

18 “(2) any reference in section 631(a) or 632(a)  
19 of this title to an officer who has failed of selection  
20 for promotion to the next higher grade for the sec-  
21 ond time shall be deemed to refer instead to an offi-  
22 cer described in subsection (a) who has failed of se-  
23 lection for promotion to the next higher grade for  
24 the maximum number of times specified for opportu-  
25 nities for promotion to such grade within the com-

1       petitive category concerned pursuant to such section  
2       649d.

3       **“§ 649g. Retirement: retirement for years of service;**  
4                               **selective early retirement**

5       “(a) RETIREMENT FOR YEARS OF SERVICES.—Sec-  
6       tions 633 through 636 of this title shall apply to the retire-  
7       ment of officers in competitive categories of officers des-  
8       ignated for purposes of this subchapter.

9       “(b) SELECTIVE EARLY RETIREMENT.—Sections  
10      638 and 638a of this title shall apply to the retirement  
11      of officers described in subsection (a).

12      **“§ 649h. Continuation on active duty**

13      “(a) IN GENERAL.—An officer subject to discharge  
14      or retirement pursuant to this subchapter may, subject to  
15      the needs of the service, be continued on active duty if  
16      the officer is selected for continuation on active duty in  
17      accordance with this section by a selection board convened  
18      under section 611(b) of this title.

19      “(b) IDENTIFICATION OF POSITIONS FOR OFFICERS  
20      CONTINUED ON ACTIVE DUTY.—

21               “(1) IN GENERAL.—Officers may be selected  
22      for continuation on active duty pursuant to this sec-  
23      tion only for assignment to positions identified by  
24      the Secretary of the military department concerned  
25      for which vacancies exist or are anticipated to exist.

1           “(2) IDENTIFICATION.—Before convening a se-  
2           lection board pursuant to section 611(b) of this title  
3           for purposes of selection of officers for continuation  
4           on active duty pursuant to this section, the Sec-  
5           retary of the military department concerned shall  
6           specify for purposes of the board the positions iden-  
7           tified by the Secretary to which officers selected for  
8           continuation on active duty may be assigned.

9           “(c) RECOMMENDATION FOR CONTINUATION.—A se-  
10          lection board may recommend an officer for continuation  
11          on active duty pursuant to this section only if the board  
12          determines that the officer is qualified for assignment to  
13          one or more positions identified pursuant to subsection (b)  
14          on the basis of skills, knowledge, and behavior required  
15          of an officer to perform successfully in such position or  
16          positions.

17          “(d) APPROVAL OF SECRETARY OF MILITARY DE-  
18          PARTMENT.—Continuation of an officer on active duty  
19          under this section pursuant to the action of a selection  
20          board is subject to the approval of the Secretary of the  
21          military department concerned.

22          “(e) NONACCEPTANCE OF CONTINUATION.—An offi-  
23          cer who is selected for continuation on active duty pursu-  
24          ant to this section, but who declines to continue on active



1 duty, shall be discharged or retired, as appropriate, in ac-  
2 cordance with section 632 of this title.

3 “(f) PERIOD OF CONTINUATION.—

4 “(1) IN GENERAL.—An officer continued on ac-  
5 tive duty pursuant to this section shall remain on  
6 active duty, and serve in the position to which as-  
7 signed (or in another position to which assigned with  
8 the approval of the Secretary of the military depart-  
9 ment concerned), for a total of not more than three  
10 years after the date of assignment to the position to  
11 which first so assigned.

12 “(2) ADDITIONAL CONTINUATION.—An officer  
13 whose continued service pursuant to this section  
14 would otherwise expire pursuant to paragraph (1)  
15 may be continued on active duty if selected for con-  
16 tinuation on active duty in accordance with this sec-  
17 tion before the date of expiration pursuant to that  
18 paragraph.

19 “(g) EFFECT OF EXPIRATION OF CONTINUATION.—  
20 Each officer continued on active duty pursuant to this  
21 subsection who is not selected for continuation on active  
22 duty pursuant to subsection (f)(2) at the completion of  
23 the officer’s term of continued service shall, unless sooner  
24 discharged or retired under another provision of law—

1           “(1) be discharged upon the expiration of the  
2 term of continued service; or

3           “(2) if eligible for retirement under another  
4 other provision of law, be retired under that law on  
5 the first day of the first month following the month  
6 in which the officer completes the term of continued  
7 service.

8           “(h) TREATMENT OF DISCHARGE OR RETIRE-  
9 MENT.—The discharge or retirement of an officer pursu-  
10 ant to this section shall be considered to be an involuntary  
11 discharge or retirement for purposes of any other provi-  
12 sion of law.

13 **“§ 649h-1. Continuation on active duty: officers in**  
14 **certain military specialties and career**  
15 **tracks**

16           “‘In addition to continuation on active duty provided  
17 for in section 649h of this title, an officer to whom section  
18 637a of this title applies may be continued on active duty  
19 in accordance with the provisions of such section 637a.

20 **“§ 649i. Other administrative authorities**

21           “(a) IN GENERAL.—The following provisions of this  
22 title shall apply to officers in competitive categories of offi-  
23 cers designated for purposes of this subchapter:

24           “(1) Section 638b, relating to voluntary retire-  
25 ment incentives.

1           “(2) Section 639, relating to continuation on  
2           active duty to complete disciplinary action.

3           “(3) Section 640, relating to deferment of re-  
4           tirement or separation for medical reasons.

5   **“§ 649j. Regulations**

6           “The Secretary of Defense shall prescribe regulations  
7           regarding the administration of this subchapter. The ele-  
8           ments of such regulations shall include mechanisms to  
9           clarify the manner in which provisions of other sub-  
10          chapters of this chapter shall be used in the administra-  
11          tion of this subchapter in accordance with the provisions  
12          of this subchapter.”.

13           (2) CLERICAL AMENDMENT.—The table of sub-  
14          chapters at the beginning of chapter 36 of such title  
15          is amended by adding at the end the following new  
16          item:

**“VI. Alternative Promotion Authority for Officers in  
            Designated Competitive Categories ..... 649a”.**

17          (b) REPORT.—

18           (1) IN GENERAL.—Not later than 180 days  
19          after the date of the enactment of this Act, the Sec-  
20          retary of Defense shall, in consultation with the Sec-  
21          retaries of the military departments, submit to the  
22          Committees on Armed Services of the Senate and  
23          the House of Representatives a report on the au-

1       thorities in subchapter VI of chapter 36 of title 10,  
2       United States Code (as added by subsection (a)).

3               (2) ELEMENTS.—The report shall include the  
4       following:

5               (A) A detailed analysis and assessment of  
6       the manner in which the exercise of the authori-  
7       ties in subchapter VI of chapter 36 of title 10,  
8       United States Code (as so added), will effect  
9       the career progression of commissioned officers  
10      in the Armed Forces.

11              (B) A description of the competitive cat-  
12      egories of officers that are anticipated to be  
13      designated as competitive categories of officers  
14      for purposes of such authorities.

15              (C) A plan for implementation of such au-  
16      thorities.

17              (D) Such recommendations for legislative  
18      or administrative action as the Secretary of De-  
19      fense considers appropriate to improve or en-  
20      hance such authorities.

1 **SEC. 511. APPLICABILITY TO ADDITIONAL OFFICER**  
2 **GRADES OF AUTHORITY FOR CONTINUATION**  
3 **ON ACTIVE DUTY OF OFFICERS IN CERTAIN**  
4 **MILITARY SPECIALTIES AND CAREER**  
5 **TRACKS.**

6 Section 637a(a) of title 10, United States Code, is  
7 amended—

8 (1) by striking “grade O-4” and inserting  
9 “grade O-2”; and

10 (2) by inserting “632,” before “633,”.

11 **PART II—OTHER MATTERS**

12 **SEC. 516. MATTERS RELATING TO SATISFACTORY SERVICE**  
13 **IN GRADE FOR PURPOSES OF RETIREMENT**  
14 **GRADE OF OFFICERS IN HIGHEST GRADE OF**  
15 **SATISFACTORY SERVICE.**

16 (a) **CONDITIONAL DETERMINATIONS OF GRADE OF**  
17 **SATISFACTORY SERVICE.—**

18 (1) **IN GENERAL.—**Subsection (a)(1) of section  
19 1370 of title 10, United States Code, is amended by  
20 adding at the end the following new sentences:  
21 “When an officer is under investigation for alleged  
22 misconduct at the time of retirement, the Secretary  
23 concerned may conditionally determine the highest  
24 grade of satisfactory service of the officer pending  
25 completion of the investigation. Such grade is sub-  
26 ject to reopening in accordance with subsection (f).”.

1           (2) OFFICERS IN O-9 AND O-10 GRADES.—Sub-  
2           section (c) of such section is amended by adding at  
3           the end the following new paragraph:

4           “(4) The Secretary of Defense may make a condi-  
5           tional certification regarding satisfactory service in grade  
6           under paragraph (1) with respect to an officer under that  
7           paragraph notwithstanding the fact that there is pending  
8           the disposition of an adverse personnel action against the  
9           officer for alleged misconduct. The retired grade of an offi-  
10          cer following such a conditional certification is subject to  
11          reopening in accordance with subsection (f).”.

12           (3) RESERVE OFFICERS.—Subsection (d)(1) of  
13          such section is amended by adding at the end the  
14          following new sentences: “When an officer is under  
15          investigation for alleged misconduct at the time of  
16          retirement, the Secretary concerned may condi-  
17          tionally determine the highest grade of satisfactory  
18          service of the officer pending completion of the in-  
19          vestigation. Such grade is subject to reopening in ac-  
20          cordance with subsection (f).”.

21          (b) DETERMINATIONS OF SATISFACTORY SERVICE.—  
22          Such section is further amended—

23                 (1) by redesignating subsection (e) as sub-  
24                 section (g); and

1           (2) by inserting after subsection (d) the fol-  
2           lowing new subsection (e):

3           “(e) DETERMINATIONS OF SATISFACTORY SERVICE  
4 IN GRADE.—The determination whether an officer’s serv-  
5 ice in grade is satisfactory for purposes of any provision  
6 of this section shall—

7           “(1) be based on quantative and qualitative  
8           considerations;

9           “(2) take into account both acts and omissions;  
10          and

11          “(3) take into account service in current grade  
12          and in any prior grade in which served (whether a  
13          lower or higher grade).”.

14          (c) FINALITY OF RETIRED GRADE DETERMINA-  
15 TIONS.—Such section is further amended by inserting  
16 after subsection (e), as amended by subsection (b) of this  
17 section, the following new subsection:

18          “(f) FINALITY OF RETIRED GRADE DETERMINA-  
19 TIONS.—(1) Except as otherwise provided by law, a deter-  
20 mination or certification of the retired grade of an officer  
21 pursuant to this section is administratively final on the  
22 day the officer is retired, and may not be reopened.

23          “(2) A determination or certification of the retired  
24 grade of an officer may be reopened as follows:

1           “(A) If the retirement or retired grade of the  
2 officer was procured by fraud.

3           “(B) If substantial evidence comes to light after  
4 the retirement that could have led to a lower retired  
5 grade under this section if known by competent au-  
6 thority at the time of retirement.

7           “(C) If a mistake of law or calculation was  
8 made in the determination of the retired grade.

9           “(D) In the case of a retired grade following a  
10 conditional determination under subsection (a)(1) or  
11 (d)(1) or conditional certification under subsection  
12 (e)(4), if the investigation of or personnel action  
13 against the officer, as applicable, results in adverse  
14 findings.

15           “(E) If the Secretary concerned determines,  
16 pursuant to regulations prescribed by the Secretary  
17 of Defense, that good cause exists to reopen the de-  
18 termination or certification.

19           “(3) If a determination or certification of the retired  
20 grade of an officer is reopened, the Secretary concerned—

21           “(A) shall notify the officer of the reopening;  
22 and

23           “(B) may not make an adverse determination  
24 on the retired grade of the officer until the officer



1 has had a reasonable opportunity to respond regard-  
2 ing the basis of the reopening.

3 “(4) If a certification of the retired grade of an offi-  
4 cer covered by subsection (c) is reopened, the Secretary  
5 concerned shall also notify the President and Congress of  
6 the reopening.

7 “(5) If the retired grade of an officer is reduced  
8 through the reopening of the officer’s retired grade, the  
9 retired pay of the officer under chapter 71 of this title  
10 shall be recalculated, and any modification of the retired  
11 pay of the officer shall go into effect on the effective date  
12 of the reduction of the officer’s retired grade.”.

13 (d) EFFECTIVE DATE.—The amendments made by  
14 subsection (a) shall take effect on the date of the enact-  
15 ment of this Act, and shall apply with respect to officers  
16 who retire from the Armed Forces on or after that date.

17 **SEC. 517. REDUCTION IN NUMBER OF YEARS OF ACTIVE**  
18 **NAVAL SERVICE REQUIRED FOR PERMANENT**  
19 **APPOINTMENT AS A LIMITED DUTY OFFICER.**

20 Section 5589(d) of title 10, United States Code, is  
21 amended by striking “10 years” and inserting “8 years”.

1 **SEC. 518. REPEAL OF ORIGINAL APPOINTMENT QUALIFICA-**  
2 **TION REQUIREMENT FOR WARRANT OFFI-**  
3 **CERS IN THE REGULAR ARMY.**

4 (a) IN GENERAL.—Section 3310 of title 10, United  
5 States Code, is repealed.

6 (b) CLERICAL AMENDMENT.—The table of sections  
7 at the beginning of chapter 335 of such title is amended  
8 by striking the item relating to section 3310.

9 **SEC. 519. UNIFORM GRADE OF SERVICE OF THE CHIEFS OF**  
10 **CHAPLAINS OF THE ARMED FORCES.**

11 The grade of service as Chief of Chaplains of the  
12 Army, Chief of Chaplains of the Navy, and Chief of Chap-  
13 lains of the Air Force of an officer serving in such position  
14 shall be such grade as the Secretary of Defense shall speci-  
15 fy. The grade of service shall be the same for service in  
16 each such position.

17 **SEC. 520. WRITTEN JUSTIFICATION FOR APPOINTMENT OF**  
18 **CHIEFS OF CHAPLAINS IN GRADE BELOW**  
19 **GRADE OF MAJOR GENERAL OR REAR ADMI-**  
20 **RAL.**

21 (a) CHIEF OF CHAPLAINS OF THE ARMY.—Section  
22 3036 of title 10, United States Code, is amended by add-  
23 ing at the end the following new subsection:

24 “(h) If an individual is appointed Chief of Chaplains  
25 in a regular grade below the grade of major general, the  
26 Secretary of the Army shall submit to the Committees on

1 Armed Services of the Senate and the House of Represent-  
2 atives a report setting forth in writing the justification for  
3 the appointment of the individual as Chief of Chaplains  
4 in such lower grade.”.

5 (b) CHIEF OF CHAPLAINS OF THE NAVY.—Section  
6 5142(b) of such title is amended—

7 (1) by inserting “(1)” after “(b)”; and

8 (2) by adding at the end the following new  
9 paragraph:

10 “(2) If an individual is appointed Chief of Chaplains  
11 in a regular grade below the grade of rear admiral, the  
12 Secretary of the Navy shall submit to the Committees on  
13 Armed Services of the Senate and the House of Represent-  
14 atives a report setting forth in writing the justification for  
15 the appointment of the individual as Chief of Chaplains  
16 in such lower grade.”.

17 (c) CHIEF OF CHAPLAINS OF THE AIR FORCE.—Sec-  
18 tion 8039(a) of such title is amended—

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

21 (2) by inserting after paragraph (1) the fol-  
22 lowing new paragraph (2):

23 “(2) If an individual is appointed Chief of Chaplains  
24 in a regular grade below the grade of major general, the  
25 Secretary of the Air Force shall submit to the Committees

1 on Armed Services of the Senate and the House of Rep-  
2 resentatives a report setting forth in writing the justifica-  
3 tion for the appointment of the individual as Chief of  
4 Chaplains in such lower grade.”.

5       **Subtitle B—Reserve Component**  
6                   **Management**

7 **SEC. 521. AUTHORITY TO ADJUST EFFECTIVE DATE OF**  
8                   **PROMOTION IN THE EVENT OF UNDUE DELAY**  
9                   **IN EXTENDING FEDERAL RECOGNITION OF**  
10                   **PROMOTION.**

11       (a) IN GENERAL.—Section 14308(f) of title 10,  
12 United States Code, is amended—

13               (1) by inserting “(1)” before “The effective  
14 date of promotion”; and

15               (2) by adding at the end the following new  
16 paragraph:

17       “(2) If the Secretary concerned determines that there  
18 was an undue delay in extending Federal recognition in  
19 the next higher grade in the Army National Guard or the  
20 Air National Guard to a reserve commissioned officer of  
21 the Army or the Air Force, and the delay was not attrib-  
22 utable to the action (or inaction) of such officer, the effec-  
23 tive date of the promotion concerned under paragraph (1)  
24 may be adjusted to a date determined by the Secretary

1 concerned, but not earlier than the effective date of the  
2 State promotion.”.

3 (b) EFFECTIVE DATE.—The amendments made by  
4 subsection (a) shall take effect on the date of the enact-  
5 ment of this Act, and shall apply with respect to pro-  
6 motions of officers whose State effective date is on or after  
7 that date.

8 **SEC. 522. AUTHORITY TO DESIGNATE CERTAIN RESERVE**  
9 **OFFICERS AS NOT TO BE CONSIDERED FOR**  
10 **SELECTION FOR PROMOTION.**

11 Section 14301 of title 10, United States Code, is  
12 amended by adding at the end the following new sub-  
13 section:

14 “(j) CERTAIN OFFICERS NOT TO BE CONSIDERED  
15 FOR SELECTION FOR PROMOTION.—The Secretary of the  
16 military department concerned may provide that an officer  
17 who is in an active status, but is in a duty status in which  
18 the only points the officer accrues under section  
19 12732(a)(2) of this title are pursuant to subparagraph  
20 (C)(i) of that section (relating to membership in a reserve  
21 component), shall not be considered for selection for pro-  
22 motion until completion of two years of service in such  
23 duty status. Any such officer may remain on the reserve  
24 active-status list.”.

1 **SEC. 523. EXPANSION OF PERSONNEL SUBJECT TO AU-**  
2 **THORITY OF THE CHIEF OF THE NATIONAL**  
3 **GUARD BUREAU IN THE EXECUTION OF**  
4 **FUNCTIONS AND MISSIONS OF THE NA-**  
5 **TIONAL GUARD BUREAU.**

6 Section 10508(b)(1) of title 10, United States Code,  
7 is amended by striking “sections 2103,” and all that fol-  
8 lows through “of title 32,” and inserting “sections 2102,  
9 2103, 2105, and 3101, and subchapter IV of chapter 53,  
10 of title 5, or sections 328 and 709 of title 32,”.

11 **SEC. 524. REPEAL OF PROHIBITION ON SERVICE ON ARMY**  
12 **RESERVE FORCES POLICY COMMITTEE BY**  
13 **MEMBERS ON ACTIVE DUTY.**

14 Section 10302 of title 10, United States Code, is  
15 amended—

16 (1) in subsection (b), by striking “not on active  
17 duty” each place it appears; and

18 (2) in subsection (c)—

19 (A) by inserting “of the reserve compo-  
20 nents” after “among the members”; and

21 (B) by striking “not on active duty”.

1           **Subtitle C—General Service**  
2                           **Authorities**

3   **SEC. 531. ASSESSMENT OF NAVY STANDARD WORKWEEK**  
4                           **AND RELATED ADJUSTMENTS.**

5           (a) **ASSESSMENT.**—The Secretary of the Navy shall  
6   conduct a comprehensive assessment of the Navy standard  
7   workweek.

8           (b) **OTHER REQUIREMENTS.**—The Secretary shall—

9                   (1) update Office of the Chief of Naval Oper-  
10   ations Instruction 1000.16L in order to—

11                           (A) obtain an examination of current in-  
12   port workloads; and

13                           (B) identify the manpower necessary to  
14   execute in-port workload for all surface ship  
15   classes;

16                   (2) update the criteria used in the Instruction  
17   referred to in paragraph (1) that are used to reas-  
18   sess the factors used to calculate manpower require-  
19   ments periodically or when conditions change; and

20                   (3) using the updates required by paragraphs  
21   (1) and (2), identify personnel needs and costs asso-  
22   ciated with the planned larger size of the Navy fleet.

23           (c) **ADDED DEMANDS.**—The Secretary shall identify  
24   and quantify added demands on Navy ship crews, includ-  
25   ing Ready Relevant Learning training periods and addi-

1 tional work that affects readiness and technical qualifica-  
2 tions for Navy ship crews.

3 (d) DEADLINE.—The Secretary shall complete car-  
4 rying out the requirements in this section by not later than  
5 180 days after the date of the enactment of this Act.

6 **SEC. 532. MANNING OF FORWARD DEPLOYED NAVAL**  
7 **FORCES.**

8 Commencing not later than October 1, 2019, the Sec-  
9 retary of the Navy shall implement a policy to man ships  
10 homeported overseas (commonly referred to as “Forward  
11 Deployed Naval Forces”) at manning levels not less than  
12 the levels established for each ship class or type of unit,  
13 including any adjustments resulting from as a result of  
14 changes from actions in connection with section 531, relat-  
15 ing to an assessment of the Navy standard workweek and  
16 related adjustments.

17 **SEC. 533. NAVY WATCHSTANDER RECORDS.**

18 (a) IN GENERAL.—The Secretary of the Navy shall  
19 require that, commencing not later than 180 days after  
20 the date of the enactment of this Act, key watchstanders  
21 on Navy surface ships shall maintain a career record of  
22 watchstanding hours and specific operational evolutions.

23 (b) KEY WATCHSTANDER DEFINED.—In this section,  
24 the term “key watchstander” means each of the following:

25 (1) Officer of the Deck.



1           (2) Any other officer specified by the Secretary  
2           for purposes of this section.

3 **SEC. 534. QUALIFICATION EXPERIENCE REQUIREMENTS**  
4                                   **FOR CERTAIN NAVY WATCHSTATIONS.**

5           (a) IN GENERAL.—Not later than 90 days after the  
6 date the of enactment of this Act, the Secretary of the  
7 Navy shall submit to the Committees on Armed Services  
8 of the Senate and the House of Representatives a report  
9 on the adequacy of individual training for certain  
10 watchstations, including any planned or recommended  
11 changes in qualification standards for such watchstations.

12           (b) WATCHSTATIONS.—The watchstations covered by  
13 the report required by subsection (a) are the following:

- 14                   (1) Officer of the Deck.  
15                   (2) Combat Information Center Watch Officer.  
16                   (3) Tactical Action Officer.

17 **SEC. 535. REPEAL OF 15-YEAR STATUTE OF LIMITATIONS**  
18                                   **ON MOTIONS OR REQUESTS FOR REVIEW OF**  
19                                   **DISCHARGE OR DISMISSAL FROM THE**  
20                                   **ARMED FORCES.**

21           (a) REPEAL.—Section 1553(a) of title 10, United  
22 States Code, is amended by striking the second sentence.

23           (b) EFFECTIVE DATE.—The amendment made by  
24 this section shall take effect on October 1, 2019.

1 **SEC. 536. TREATMENT OF CLAIMS RELATING TO MILITARY**  
2 **SEXUAL TRAUMA IN CORRECTION OF MILI-**  
3 **TARY RECORDS AND REVIEW OF DISCHARGE**  
4 **OR DISMISSAL PROCEEDINGS.**

5 (a) CORRECTION OF MILITARY RECORDS.—

6 (1) IN GENERAL.—Subsection (h) of section  
7 1552 of title 10, United States Code, is amended in  
8 paragraphs (1) and (2)(B), by striking “post-trau-  
9 matic stress disorder or traumatic brain injury” and  
10 inserting “post-traumatic stress disorder, traumatic  
11 brain injury, or military sexual trauma”.

12 (2) QUARTERLY REPORTS.—Subsection (i)(1) of  
13 such section is amended by inserting “, or an experi-  
14 ence of military sexual trauma,” after “traumatic  
15 brain injury”.

16 (b) REVIEW OF DISCHARGE OR DISMISSAL.—Section  
17 1553(d) of such title is amended—

18 (1) by striking “or traumatic brain injury” each  
19 place it appears (other than the second place it ap-  
20 pears in paragraph (3)(B)) and inserting “, trau-  
21 matic brain injury, or military sexual trauma”; and

22 (2) in paragraph (3)(B), by inserting “and” be-  
23 fore “whose” the second place it appears.

1           **Subtitle D—Military Justice**  
2                           **Matters**

3 **SEC. 541. PUNITIVE ARTICLE ON DOMESTIC VIOLENCE**  
4                           **UNDER THE UNIFORM CODE OF MILITARY**  
5                           **JUSTICE.**

6           (a) PUNITIVE ARTICLE.—

7                   (1) IN GENERAL.—Subchapter X of chapter 47  
8                   of title 10, United States Code (the Uniform Code  
9                   of Military Justice), is amended by inserting after  
10                  section 928a (article 128a) the following new section  
11                  (article):

12 **“§ 928b. Art. 128b. Domestic violence**

13                  “(a) IN GENERAL.—Any person who—

14                       “(1) commits a violent offense against a spouse,  
15                       an intimate partner, or an immediate family member  
16                       of that person;

17                       “(2) with intent to threaten or intimidate a  
18                       spouse, an intimate partner, or an immediate family  
19                       member of that person—

20                               “(A) commits an offense under this chap-  
21                               ter against any person; or

22                               “(B) commits an offense under this chap-  
23                               ter against any property, including an animal;

1           “(3) with intent to threaten or intimidate a  
2 spouse, an intimate partner, or an immediate family  
3 member of that person, violates a protection order;

4           “(4) with intent to commit a violent offense  
5 against a spouse, an intimate partner, or an imme-  
6 diate family member of that person, violates a pro-  
7 tection order; or

8           “(5) assaults a spouse, an intimate partner, or  
9 an immediate family member of that person by  
10 strangling or suffocating;

11 shall be punished as a court-martial may direct.

12           “(b) DEFINITIONS.—In this section (article):

13           “(1) IMMEDIATE FAMILY.—The term ‘imme-  
14 diate family’, with respect to an accused, means a  
15 spouse, parent, brother or sister, child of the ac-  
16 cused, a person to whom the accused stands in loco  
17 parentis, and any other person who lives in the  
18 household involved and is related by blood or mar-  
19 riage to the accused.

20           “(2) INTIMATE PARTNER.—The term ‘intimate  
21 partner’, with respect to an accused, means—

22                   “(A) a former spouse of the accused;

23                   “(B) a person who has a child in common  
24 with the accused;

1           “(C) a person who cohabits or has  
2           cohabited as a spouse with the accused; or

3           “(D) a person who is or has been in a so-  
4           cial relationship of a romantic or intimate na-  
5           ture with the accused, as determined by the  
6           length of the relationship, the type of relation-  
7           ship, and the frequency of interaction between  
8           the person and the accused.

9           “(3) PROTECTION ORDER.—The term ‘protec-  
10          tion order’ means—

11           “(A) a military protective order enforceable  
12           under section 890 of this title (article 90); or

13           “(B) a protection order, as defined in sec-  
14           tion 2266 of title 18 and, if issued by a State,  
15           Indian tribal, or territorial court, is in accord-  
16           ance with the standards specified in section  
17           2265 of such title.

18           “(4) STRANGLING.—The term ‘strangling’  
19           means intentionally or knowingly impeding the nor-  
20           mal breathing or circulation of the blood of a person  
21           by applying pressure to the throat or neck, regard-  
22           less of whether the impeding results in any visible  
23           injury or whether there is any intent to kill or  
24           protractedly injure the victim.

1           “(5) SUFFOCATING.—The term ‘suffocating’  
2 means intentionally or knowingly impeding the nor-  
3 mal breathing of a person by covering the mouth or  
4 the nose, regardless of whether the impeding results  
5 in any visible injury or whether there is any intent  
6 to kill or protractedly injure the victim.

7           “(6) VIOLENT OFFENSE.—The term ‘violent of-  
8 fense’ means a violation of any of the provisions of  
9 this chapter as follows:

10                   “(A) Section 918 of this title (article 118).

11                   “(B) Section 919(a) of this title (article  
12 119(a)).

13                   “(C) Section 919a of this title (article  
14 119a).

15                   “(D) Section 920 of this title (article 120).

16                   “(E) Section 920b of this title (article  
17 120b).

18                   “(F) Section 922 of this title (article 122).

19                   “(G) Section 925 of this title (article 125).

20                   “(H) Section 926 of this title (article 126).

21                   “(I) Section 928 of this title (article 128).

22                   “(J) Section 928a of this title (article  
23 128a).

24                   “(K) Section 930 of this title (article  
25 130).”.

1           (2) CLERICAL AMENDMENT.—The table of sec-  
2           tions at the beginning of subchapter X of chapter 47  
3           of such title (the Uniform Code of Military Justice)  
4           is amended by inserting after the item relating to  
5           section 928a (article 128a) the following new item:

“928b. 128b. Domestic violence.”.

6           (b) EFFECTIVE DATE.—The amendments made by  
7           this section shall take effect on January 1, 2019, imme-  
8           diately after the coming into effect of the amendments  
9           made by the Military Justice Act of 2016 (division E of  
10          Public Law 114–328) as provided in section 5542 of that  
11          Act (130 Stat. 2967; 10 U.S.C. 801 note).

12   **SEC. 542. INCLUSION OF STRANGULATION AND SUFFO-**  
13                           **CATION IN CONDUCT CONSTITUTING AGGRA-**  
14                           **VATED ASSAULT FOR PURPOSES OF THE UNI-**  
15                           **FORM CODE OF MILITARY JUSTICE.**

16          (a) IN GENERAL.—Subsection (b) of section 928 of  
17          title 10, United States Code (article 128 of the Uniform  
18          Code of Military Justice), is amended—

19               (1) in paragraph (1), by striking “or” at the  
20               end;

21               (2) in paragraph (2), by adding “or” after the  
22               semicolon; and

23               (3) by inserting after paragraph (2) the fol-  
24               lowing new paragraph:

1           “(3) who commits an assault by strangulation  
2           or suffocation;”.

3           (b) **EFFECTIVE DATE.**—The amendments made by  
4 subsection (a) shall take effect on January 1, 2019, imme-  
5 diately after the coming into effect of the amendment  
6 made by section 5441 of the Military Justice Act of 2016  
7 (division E of Public Law 114–328; 130 Stat. 2954) as  
8 provided in section 5542 of that Act (130 Stat. 2967; 10  
9 U.S.C. 801 note).

10 **SEC. 543. AUTHORITIES OF DEFENSE ADVISORY COM-**  
11 **MITTEE ON INVESTIGATION, PROSECUTION,**  
12 **AND DEFENSE OF SEXUAL ASSAULT IN THE**  
13 **ARMED FORCES.**

14           Section 546 of the Carl Levin and Howard P.  
15 “Buck” McKeon National Defense Authorization Act for  
16 Fiscal Year 2015 (10 U.S.C. 1561 note) is amended—

17           (1) by redesignating subsections (d) and (e) as  
18 subsections (e) and (f), respectively; and

19           (2) by inserting after subsection (c) the fol-  
20 lowing new subsection (d):

21           “(d) **AUTHORITIES.**—

22           “(1) **HEARINGS.**—The Advisory Committee may  
23 hold such hearings, sit and act at such times and  
24 places, take such testimony, and receive such evi-



1       dence as the committee considers appropriate to  
2       carry out its duties under this section.

3               “(2) INFORMATION FROM FEDERAL AGEN-  
4       CIES.—Upon request by the chair of the Advisory  
5       Committee, a department or agency of the Federal  
6       Government shall provide information that the Advi-  
7       sory Committee considers necessary to carry out its  
8       duties under this section.”.

9   **SEC. 544. PROTECTIVE ORDERS AGAINST INDIVIDUALS**  
10                   **SUBJECT TO THE UNIFORM CODE OF MILI-**  
11                   **TARY JUSTICE.**

12       (a) PROTECTIVE ORDERS.—

13               (1) IN GENERAL.—Subchapter II of chapter 47  
14       of title 10, United States Code (the Uniform Code  
15       of Military Justice), is amended by inserting after  
16       section 809 (article 9) the following new section (ar-  
17       ticle):

18   **“§ 809a. Art. 9a. Protective orders**

19       “(a) ISSUANCE AUTHORIZED.—

20               “(1) IN GENERAL.—In accordance with such  
21       regulations as the President may prescribe and sub-  
22       ject to the provisions of this section, upon proper ap-  
23       plication therefor pursuant to subsection (b), a mili-  
24       tary judge or military magistrate may issue the fol-  
25       lowing:

1           “(A) A protective order described in sub-  
2           section (c) on an emergency basis against a per-  
3           son subject to this chapter.

4           “(B) A protective order described in sub-  
5           section (c), other than a protective order on an  
6           emergency basis, against a person subject to  
7           this chapter.

8           “(2) OTHER PROTECTIVE ORDERS.—Nothing in  
9           this section may be construed as limiting or altering  
10          any authority of a military judge or military mag-  
11          istrate to issue a protective order, other than a pro-  
12          tective order described in subsection (c), against a  
13          person subject to this chapter under any other provi-  
14          sion of law or regulation.

15          “(b) APPLICATION.—

16               “(1) IN GENERAL.—Application for a protective  
17               order under this section shall be made in accordance  
18               with such requirements and procedures as the Presi-  
19               dent shall prescribe. Such requirements and proce-  
20               dures shall, to the extent practicable, conform to the  
21               requirements and procedures generally applicable to  
22               applications for protective orders in civilian jurisdic-  
23               tions of the United States.

24               “(2) ELIGIBILITY.—Application for a protective  
25               order may be made by any individual. The regula-

1 tions prescribed for purposes of this section may not  
2 limit eligibility for application to judge advocates or  
3 other attorneys or to military commanders or other  
4 members of the armed forces.

5 “(c) PROTECTIVE ORDERS.—

6 “(1) IN GENERAL.—A protective order de-  
7 scribed in this subsection is an order that—

8 “(A) restrains a person from harassing,  
9 stalking, threatening, or otherwise contacting or  
10 communicating with another person who stands  
11 in relation to the person as described in sub-  
12 section (d)(8) or (g)(8) of section 922 of title  
13 18, or engaging in other conduct that would  
14 place such other person in reasonable fear of  
15 bodily injury to any such other person; and

16 “(B) by its terms, explicitly prohibits—

17 “(i) the use, attempted use, or threat-  
18 ened use of physical force by the person  
19 against another person who stands in rela-  
20 tion to the person as described in sub-  
21 section (d)(8) or (g)(8) of section 922 of  
22 title 18 that would reasonably be expected  
23 to cause bodily injury;

1           “(ii) the initiation by the person re-  
2           strained of any contact or communication  
3           with such other person; or

4           “(iii) actions described by both clauses  
5           (i) and (ii).

6           “(2) DEFINITIONS.—In this subsection:

7           “(A) The term ‘contact’ includes contact in  
8           person or through a third party, or through  
9           gifts,

10          “(B) The term ‘communication’ includes  
11          communication in person or through a third  
12          party, and by telephone or in writing by letter,  
13          data fax, or other electronic means.

14          “(d) DUE PROCESS.—

15          “(1) PROTECTION OF DUE PROCESS.—Except  
16          as provided in paragraph (2), a protective order de-  
17          scribed in subsection (c) may only be issued after  
18          the person to be subject to the order has received  
19          such notice and opportunity to be heard on the order  
20          as the President shall prescribe.

21          “(2) EMERGENCY ORDERS.—A protective order  
22          on an emergency basis may be issued on an ex parte  
23          basis under such rules and limitations as the Presi-  
24          dent shall prescribe.

1       “(e) NATURE AND SCOPE OF PROTECTIVE OR-  
2 DERS.—The President shall prescribe any requirements or  
3 limitations applicable to nature and scope of protective or-  
4 ders described in subsection (c), including requirements  
5 and limitations relating to the following:

6           “(1) The duration of protective orders on an  
7 emergency basis, and of other protective orders.

8           “(2) The scope of protective orders on an emer-  
9 gency basis, and of other protective orders.

10       “(f) COMMAND MATTERS.—

11           “(1) DELIVERY TO COMMANDER.—A copy of a  
12 protective order described in subsection (c) against  
13 a member of the armed forces shall be provided to  
14 such commanding officer in the chain of command  
15 of the member as the President shall prescribe for  
16 purposes of this section.

17           “(2) INCLUSION IN PERSONNEL FILE.—Any  
18 protective order described in subsection (c) against  
19 a member shall be placed and retained in the mili-  
20 tary personnel file of the member.

21           “(3) NOTICE TO CIVILIAN LAW ENFORCEMENT  
22 OF ISSUANCE.—Any protective order described in  
23 subsection (c) against a member shall be treated as  
24 a military protective order for purposes of section  
25 1567a of this title, including for purposes of manda-

1 tory notification of issuance to civilian law enforce-  
2 ment as required by that section.

3 “(4) AUTHORITY OF COMMANDING OFFICERS.—  
4 Nothing in this section may be construed as prohib-  
5 iting a commanding officer from issuing or enforcing  
6 any otherwise lawful order in the nature of a protec-  
7 tive order described in subsection (c) to or against  
8 members of the officer’s command.

9 “(g) DELIVERY TO CERTAIN PERSONS.—A physical  
10 copy of any protective order described in subsection (c)  
11 shall be provided, as soon as practicable after issuance,  
12 to the following:

13 “(1) The person or persons protected by the  
14 protective order or to the guardian of such a person  
15 if such person is under the age of 18 years.

16 “(2) The person subject to the protective order.

17 “(h) ENFORCEMENT.—A protective order described  
18 in subsection (c) shall be enforceable by a military judge  
19 or military magistrate under such rules, and subject to  
20 such requirements and limitations, as the President shall  
21 prescribe.”.

22 (2) CLERICAL AMENDMENT.—The table of sec-  
23 tions at the beginning of subchapter II of chapter 47  
24 of such title is amended by inserting after the item

1 relating to section 809 (article 9) the following new  
2 item:

“809a. 9a. Protective orders.”.

3 (b) **AUTHORITY OF MILITARY MAGISTRATES.**—

4 (1) **IN GENERAL.**—Section 826a(b) of title 10,  
5 United States Code (article 26a(b) of the Uniform  
6 Code of Military Justice), is amended by striking  
7 “819 or 830a of this title (article 19 or 30a)” and  
8 inserting “809a, 819, or 830 of this title (article 9a,  
9 19, or 30a)”.

10 (2) **EFFECTIVE DATE.**—The amendment made  
11 by paragraph (1) shall take effect on January 1,  
12 2019, immediately after the coming into effect pur-  
13 suant to section 5542 of the Military Justice Act of  
14 2016 (division E of Public Law 114–328; 130 Stat.  
15 2967; 10 U.S.C. 801 note) of the amendment made  
16 by section 5185 of the Military Justice Act of 2016  
17 (130 Stat. 2902), to which the amendment made by  
18 paragraph (1) relates.

19 **SEC. 545. EXPANSION OF ELIGIBILITY FOR SPECIAL VIC-**  
20 **TIMS’ COUNSEL SERVICES.**

21 (a) **IN GENERAL.**—Subsection (a) of section 1044e  
22 of title 10, United States Code, is amended by striking  
23 “alleged sex-related offense” each place it appears and in-  
24 serting “alleged covered violence offense”.

1 (b) TYPES OF LEGAL ASSISTANCE AUTHORIZED.—

2 Subsection (b) of such section is amended—

3 (1) by striking “the alleged sex-related offense”  
4 each place it appears and inserting “the alleged cov-  
5 ered violence offense”; and

6 (2) in paragraph (3), by inserting “if and as  
7 applicable,” after “or domestic abuse advocate,”.

8 (c) AVAILABILITY OF SVCs.—Such section is further  
9 amended—

10 (1) in subsection (b)(10), by striking “sub-  
11 section (h)” and inserting “subsection (j)”;

12 (2) by redesignating subsections (g) and (h) as  
13 subsections (i) and (j), respectively;

14 (3) in subsection (f)—

15 (A) by striking the subsection heading and  
16 inserting “AVAILABILITY OF SVCs IN CONNEC-  
17 TION WITH SEX-RELATED OFFENSES.—”; and

18 (B) in paragraph (1), by inserting “an al-  
19 leged covered violence offense that is” before  
20 “an alleged sex-related offense” the first place  
21 it appears; and

22 (4) by inserting after subsection (f) the fol-  
23 lowing new subsections:

24 “(g) AVAILABILITY OF SVCs IN CONNECTION WITH  
25 DOMESTIC VIOLENCE OFFENSES.—(1) An individual de-



1 scribed in subsection (a)(2) who is the victim of an alleged  
2 covered violence offense that is an alleged domestic vio-  
3 lence offense shall be offered the option of receiving assist-  
4 ance from a Special Victims' Counsel upon report of an  
5 alleged domestic violence offense or at the time the victim  
6 seeks assistance from a Family Advocate, a domestic vio-  
7 lence victim advocate, a military criminal investigator, a  
8 victim/witness liaison, a trial counsel, a healthcare pro-  
9 vider, or any other personnel designated by the Secretary  
10 concerned for purposes of this subsection.

11       “(2) Paragraphs (2) and (3) of subsection (f) shall  
12 apply to the availability of Special Victims' Counsel under  
13 this subsection to victims of an alleged domestic violence  
14 offense.

15       “(h) AVAILABILITY OF SVCs IN CONNECTION WITH  
16 OTHER COVERED VIOLENCE OFFENSES.—An individual  
17 described in subsection (a)(2) who is the victim of an al-  
18 leged covered violence offense (other than an alleged of-  
19 fense covered by subsection (f) or (g)) shall be offered the  
20 option of receiving assistance from a Special Victims'  
21 Counsel upon report of such alleged covered violence of-  
22 fense or at the time the victim seeks assistance from a  
23 military criminal investigator, a victim/witness liaison, a  
24 trial counsel, a healthcare provider, or any other personnel

1 designated by the Secretary concerned for purposes of this  
2 subsection.”.

3 (d) DEFINITIONS.—Subsection (i) of such section, as  
4 redesignated by subsection (c)(2) of this section, is further  
5 amended to read as follows:

6 “(i) DEFINITIONS.—In this section:

7 “(1) ALLEGED COVERED VIOLENCE OFFENSE.—The term ‘alleged covered violence offense’  
8 FENSE.—The term ‘alleged covered violence offense’  
9 means any allegation of the following:

10 “(A) A violation of section 918, 919, 919a,  
11 920, 920b, 925, 928a, or 930 of this title (arti-  
12 cle 118, 119, 119a, 120, 120b, 125, 128a, or  
13 130 of the Uniform Code of Military Justice).

14 “(B) A violation of subsection (b) of sec-  
15 tion 928 of this title (article 128 of the Uni-  
16 form Code of Military Justice), if the offense  
17 was aggravated.

18 “(C) A violation of any other provision of  
19 chapter 47 of this title (the Uniform Code of  
20 Military Justice) that the Secretary of Defense  
21 and the Secretary of Homeland Security jointly  
22 specify as an alleged covered violence offense  
23 for purposes of this section.

24 “(D) An attempt to commit an offense  
25 specified in subparagraph (A), (B), or (C) as

1 punishable under section 880 of this title (arti-  
2 cle 80 of the Uniform Code of Military Justice).

3 “(E) A conspiracy to commit an offense  
4 specified in subparagraph (A), (B), or (C) as  
5 punishable under section 881 of this title (arti-  
6 cle 81 of the Uniform Code of Military Justice).

7 “(F) A solicitation to commit an offense  
8 specified in subparagraph (A), (B), or (C) as  
9 punishable under section 882 of this title (arti-  
10 cle 82 of the Uniform Code of Military Justice).

11 “(2) ALLEGED DOMESTIC VIOLENCE OF-  
12 FENSE.—The term ‘alleged domestic violence of-  
13 fense’ means any allegation of the following:

14 “(A) A violation of section 919b of this  
15 title (article 119b of the Uniform Code of Mili-  
16 tary Justice).

17 “(B) A violation of section 920, 928 (if the  
18 offense was aggravated), or 930 of this title  
19 (article 120, 128, or 130 of the Uniform Code  
20 of Military Justice) in which the victim of the  
21 violation is a spouse or other intimate partner  
22 of the accused or a child of the spouse or other  
23 intimate partner of the accused and the ac-  
24 cused.

1           “(C) A violation of any other provision of  
2 chapter 47 of this title (the Uniform Code of  
3 Military Justice) that the Secretary of Defense  
4 and the Secretary of Homeland Security jointly  
5 specify as an alleged domestic violence offense  
6 for purposes of this section.

7           “(D) An attempt to commit an offense  
8 specified in subparagraph (A), (B), or (C) as  
9 punishable under section 880 of this title (arti-  
10 cle 80 of the Uniform Code of Military Justice).

11           “(E) A conspiracy to commit an offense  
12 specified in subparagraph (A), (B), or (C) as  
13 punishable under section 881 of this title (arti-  
14 cle 81 of the Uniform Code of Military Justice).

15           “(F) A solicitation to commit an offense  
16 specified in subparagraph (A), (B), or (C) as  
17 punishable under section 882 of this title (arti-  
18 cle 82 of the Uniform Code of Military Justice).

19           “(3) ALLEGED SEX-RELATED OFFENSE.—The  
20 term ‘alleged sex-related offense’ means any allega-  
21 tion of the following:

22           “(A) A violation of section 920, 920b,  
23 920c, or 930 of this title (article 120, 120b,  
24 120c, or 130 of the Uniform Code of Military  
25 Justice).

1           “(B) A violation of any other provision of  
2 chapter 47 of this title (the Uniform Code of  
3 Military Justice) that the Secretary of Defense  
4 and the Secretary of Homeland Security jointly  
5 specify as an alleged sex-related offense for pur-  
6 poses of this section.

7           “(C) An attempt to commit an offense  
8 specified in subparagraph (A) or (B) as punish-  
9 able under section 880 of this title (article 80  
10 of the Uniform Code of Military Justice).

11           “(D) A conspiracy to commit an offense  
12 specified in subparagraph (A) or (B) as punish-  
13 able under section 881 of this title (article 81  
14 of the Uniform Code of Military Justice).

15           “(E) A solicitation to commit an offense  
16 specified in subparagraph (A) or (B) as punish-  
17 able under section 882 of this title (article 82  
18 of the Uniform Code of Military Justice).”.

19 (e) CONFORMING AND CLERICAL AMENDMENTS.—

20           (1) HEADING AMENDMENT.—The heading of  
21 such section is amended to read as follows:

1 **“§ 1044e. Special Victims’ Counsel: victims of sex-re-**  
2 **lated offenses, domestic violence offenses,**  
3 **and other violence offenses”.**

4 (2) TABLE OF SECTIONS.—The table of sections  
5 at the beginning of chapter 53 of such title is  
6 amended by striking the item relating to section  
7 1044e and inserting the following new item:

“1044e. Special Victims’ Counsel: victims of sex-related offenses, domestic vio-  
lence offenses, and other violence offenses.”.

8 (f) EFFECTIVE DATE.—

9 (1) IN GENERAL.—The amendments made by  
10 this section shall take effect on such date after Jan-  
11 uary 1, 2019, as the President shall specify for pur-  
12 poses of this section.

13 (2) DATE SPECIFIED.—In specifying a date for  
14 purposes of paragraph (1), the President shall speci-  
15 fy a date that permits the Secretaries concerned and  
16 the Armed Forces the opportunity to assess and  
17 properly allocate the personnel and other resources  
18 required to fully implement and carry out the  
19 amendments made by this section.

20 (3) IMPLEMENTATION ACTIVITIES.—During the  
21 period beginning on the date of the enactment of  
22 this Act and ending on the date specified for pur-  
23 poses of paragraph (1), the Secretaries concerned  
24 and the Armed Forces shall—

1 (A) establish mechanisms to ensure that a  
2 priority is afforded in the discharge of duties of  
3 Special Victims' Counsel under the amendments  
4 made by this section to serious cases of child  
5 abuse and other domestic violence (including  
6 cases involving aggravated assault and serious  
7 neglect that could result in serious injury or  
8 death); and

9 (B) strongly consider the advisability of  
10 employing civilians to perform duties of Special  
11 Victims' Counsel in the matters covered by the  
12 amendments in the event the number of mili-  
13 tary Special Victims' Counsel is insufficient for  
14 the full and effective discharge of such duties.

15 (4) SECRETARIES CONCERNED DEFINED.—In  
16 this subsection, the term “Secretaries concerned”  
17 has the meaning given that term in section  
18 101(a)(9) of title 10, United States Code.

19 **SEC. 546. CLARIFICATION OF EXPIRATION OF TERM OF AP-**  
20 **PELLATE MILITARY JUDGES OF THE UNITED**  
21 **STATES COURT OF MILITARY COMMISSION**  
22 **REVIEW.**

23 (a) IN GENERAL.—Section 950f(b) of title 10, United  
24 States Code, is amended by adding at the end the fol-  
25 lowing new paragraph:

1       “(6) The term of an appellate military judge assigned  
2 to the Court under paragraph (2) or appointed to the  
3 Court under paragraph (3) shall expire on the earlier of  
4 the date on which—

5               “(A) the judge leaves active duty; or

6               “(B) the judge is reassigned to other duties in  
7 accordance with section 949b(b)(4) of this title.”.

8       (b) **APPLICABILITY.**—The amendment made by sub-  
9 section (a) shall apply to each judge of the United States  
10 Court of Military Commission Review serving on that  
11 court on the date of the enactment of this Act and each  
12 judge assigned or appointed to that court on or after such  
13 date.

14 **SEC. 547. EXPANSION OF POLICIES ON EXPEDITED TRANS-**  
15 **FER OF MEMBERS OF THE ARMED FORCES**  
16 **WHO ARE VICTIMS OF SEXUAL ASSAULT.**

17       (a) **ELIGIBILITY OF ADDITIONAL MEMBERS FOR**  
18 **TRANSFER.**—The Secretary of Defense shall modify sec-  
19 tion 105.9 of title 32, Code of Federal Regulations, and  
20 any other regulations and policy of the Department of De-  
21 fense applicable to the expedited transfer of members of  
22 the Armed Forces who allege they are a victim of sexual  
23 assault, in order to provide that a member of the Armed  
24 Forces described in subsection (b) is eligible for expedited



1 transfer under such regulations and policy in connection  
2 with an allegation as described in that paragraph.

3 (b) COVERED MEMBERS.—A member of the Armed  
4 Forces described in this subsection is any member as fol-  
5 lows:

6 (1) A member who is an alleged victim of sex-  
7 ual assault committed by the spouse or intimate  
8 partner of the member, which spouse or intimate  
9 partner is not a member of the Armed Forces.

10 (2) A member who is an alleged victim of phys-  
11 ical domestic violence (other than sexual assault)  
12 committed by the spouse or intimate partner of the  
13 member, regardless of whether the spouse or inti-  
14 mate partner is a member of the Armed Forces.

15 (c) PHYSICAL DOMESTIC VIOLENCE.—In carrying  
16 out subsection (a), the Secretary shall prescribe the of-  
17 fenses or other actions constituting physical domestic vio-  
18 lence for purposes of subsection (b)(2).

19 **SEC. 548. UNIFORM COMMAND ACTION FORM ON DISPOSI-**  
20 **TION OF UNRESTRICTED SEXUAL ASSAULT**  
21 **CASES INVOLVING MEMBERS OF THE ARMED**  
22 **FORCES.**

23 (a) UNIFORM FORM REQUIRED.—The Secretary of  
24 Defense shall establish a uniform command action form,

1 applicable across the Armed Forces, for reporting the final  
2 disposition of cases of sexual assault in which—

3 (1) the alleged offender is a member of the  
4 Armed Forces; and

5 (2) the victim files an unrestricted report on  
6 the alleged assault.

7 (b) ELEMENTS.—The form required by subsection  
8 (a) shall provide for the inclusion of information on the  
9 following:

10 (1) The final disposition of the case.

11 (2) Appropriate demographic information on  
12 the victim and the alleged offender.

13 (3) The status of the alleged offender as of  
14 final disposition of the case.

15 (4) Whether the victim received assistance from  
16 a Special Victims' Counsel in connection with the  
17 case.

18 (5) Whether the victim was disciplined for any  
19 collateral misconduct in connection with the case.

20 (6) The number of years working in a criminal  
21 justice litigation billet of any trial counsel who pros-  
22 ecuted or otherwise consulted on the case.

1 **SEC. 549. INCLUSION OF INFORMATION ON CERTAIN COL-**  
2 **LATERAL CONDUCT OF VICTIMS OF SEXUAL**  
3 **ASSAULT IN ANNUAL REPORTS ON SEXUAL**  
4 **ASSAULT INVOLVING MEMBERS OF THE**  
5 **ARMED FORCES.**

6 Section 1631(b) of the Ike Skelton National Defense  
7 Authorization Act for Fiscal Year 2011 (10 U.S.C. 1561  
8 note) is amended by adding at the end the following new  
9 paragraph:

10 “(13) Information on the frequency with which  
11 individuals who were identified as victims of sexual  
12 assault in case files of military criminal investigative  
13 organizations were also accused of or punished for  
14 misconduct or crimes considered collateral to the  
15 sexual assault under investigation by such organiza-  
16 tions, including the type of misconduct or crime and  
17 the punishment, if any, received.”.

1 **Subtitle E—Member Education,**  
2 **Training, Transition, and Resil-**  
3 **ience**

4 **SEC. 551. CONSECUTIVE SERVICE OF SERVICE OBLIGATION**  
5 **IN CONNECTION WITH PAYMENT OF TUITION**  
6 **FOR OFF-DUTY TRAINING OR EDUCATION**  
7 **FOR COMMISSIONED OFFICERS OF THE**  
8 **ARMED FORCES WITH ANY OTHER SERVICE**  
9 **OBLIGATIONS.**

10 (a) IN GENERAL.—Section 2007(b) of title 10,  
11 United States Code, is amended by adding at the end the  
12 following new paragraph:

13 “(3) Any active duty service obligation of a commis-  
14 sioned officer under this subsection shall be served con-  
15 secutively with any other service obligation of the officer  
16 (whether active duty or otherwise) under any other provi-  
17 sion of law.”.

18 (b) EFFECTIVE DATE.—The amendment made by  
19 this section shall take effect on the date of the enactment  
20 of this Act, and shall apply with respect to agreements  
21 for the payment of tuition for off-duty training or edu-  
22 cation that are entered into on or after that date.

1 **SEC. 552. CONSECUTIVE SERVICE OF ACTIVE SERVICE OB-**  
2 **LIGATIONS FOR MEDICAL TRAINING WITH**  
3 **OTHER SERVICE OBLIGATIONS FOR EDU-**  
4 **CATION OR TRAINING.**

5 (a) UNIFORMED SERVICES UNIVERSITY OF THE  
6 HEALTH SCIENCES.—Section 2114(d) of title 10, United  
7 States Code, is amended—

8 (1) by inserting “(1)” after “(d)”; and

9 (2) by adding at the end the following new  
10 paragraph:

11 “(2) A commissioned service obligation incurred as  
12 a result of participation in a military intern, residency,  
13 or fellowship training program shall be served consecu-  
14 tively with the commissioned service obligation imposed by  
15 this section and by any other provision of this title for  
16 education or training.”.

17 (b) HEALTH PROFESSIONS SCHOLARSHIP AND FI-  
18 NANCIAL ASSISTANCE PROGRAM.—Section 2123(b) of  
19 such title is amended—

20 (1) by inserting “(1)” after “(b)”; and

21 (2) by adding at the end the following new  
22 paragraph:

23 “(2) A commissioned service obligation incurred as  
24 a result of participation in a military intern, residency,  
25 or fellowship training program shall be served consecu-  
26 tively with the active duty obligation imposed by this sec-

1 tion and by any other provision of this title for education  
2 or training.”.

3 (c) EFFECTIVE DATE.—The amendments made by  
4 this section shall apply to individuals beginning participa-  
5 tion in a military intern, residency, or fellowship training  
6 program on or after January 1, 2020.

7 **SEC. 553. CLARIFICATION OF APPLICATION AND HONOR-**  
8 **ABLE SERVICE REQUIREMENTS UNDER THE**  
9 **TROOPS-TO-TEACHERS PROGRAM TO MEM-**  
10 **BERS OF THE RETIRED RESERVE.**

11 (a) IN GENERAL.—Paragraph (2)(B) of section  
12 1154(d) of title 10, United States Code, is amended—

13 (1) by inserting “(A)(iii),” after “A(i),”;

14 (2) by inserting “transferred to the Retired Re-  
15 serve, or” after “member is retired,”; and

16 (3) by striking “separated,” and inserting “sep-  
17 arated”.

18 (b) CONFORMING AMENDMENTS.—The second sen-  
19 tence of paragraph (3)(D) of such section is amended—

20 (1) by inserting “, the transfer of the member  
21 to the Retired Reserve,” after “retirement of the  
22 member”; and

23 (2) by inserting “transfer,” after “after the re-  
24 tirement,”.

1 **SEC. 554. PROHIBITION ON USE OF FUNDS FOR ATTEND-**  
2 **ANCE OF ENLISTED PERSONNEL AT SENIOR**  
3 **LEVEL AND INTERMEDIATE LEVEL OFFICER**  
4 **PROFESSIONAL MILITARY EDUCATION**  
5 **COURSES.**

6 (a) PROHIBITION.—None of the funds authorized to  
7 be appropriated or otherwise made available for the De-  
8 partment of Defense may be obligated or expended for the  
9 purpose of the attendance of enlisted personnel at senior  
10 level and intermediate level officer professional military  
11 education courses.

12 (b) SENIOR LEVEL AND INTERMEDIATE LEVEL OF-  
13 FICER PROFESSIONAL MILITARY EDUCATION COURSES  
14 DEFINED.—In this section, the term “senior level and in-  
15 termediate level officer professional military education  
16 courses” means any course offered by a school specified  
17 in section 2151(b) of title 10, United States Code.

18 (c) REPEAL OF SUPERSEDED LIMITATION.—

19 (1) IN GENERAL.—Section 547 of the National  
20 Defense Authorization Act for Fiscal Year 2018  
21 (Public Law 115–91) is repealed.

22 (2) PRESERVATION OF CERTAIN REPORTING  
23 REQUIREMENT.—The repeal in paragraph (1) shall  
24 not be interpreted to terminate the requirement of  
25 the Comptroller General of the United States to sub-  
26 mit the report required by subsection (c) of section

1 547 of the National Defense Authorization Act for  
2 Fiscal Year 2018.

3 **SEC. 555. REPEAL OF PROGRAM ON ENCOURAGEMENT OF**  
4 **POSTSEPARATION PUBLIC AND COMMUNITY**  
5 **SERVICE.**

6 (a) REPEAL.—

7 (1) IN GENERAL.—Section 1143a of title 10,  
8 United States Code, is repealed.

9 (2) CLERICAL AMENDMENT.—The table of sec-  
10 tions at the beginning of chapter 58 of such title is  
11 amended by striking the item relating to section  
12 1143a.

13 (b) CONFORMING AMENDMENTS.—Section 1144(b)  
14 of such title is amended—

15 (1) by striking paragraph (8); and

16 (2) by redesignating paragraphs (9), (10), and  
17 (11) as paragraphs (8), (9), and (10), respectively.

18 **SEC. 556. EXPANSION OF AUTHORITY TO ASSIST MEMBERS**  
19 **IN OBTAINING PROFESSIONAL CREDENTIALS.**

20 Section 2015 of title 10, United States Code, is  
21 amended—

22 (1) by redesignating subsections (b) through (e)  
23 as subsections (c) through (f), respectively; and

24 (2) by inserting after subsection (a) the fol-  
25 lowing new subsection (b):



1       “(b) PROFESSIONAL CREDENTIALS NOT RELATED  
2 TO MILITARY TRAINING AND SKILLS.—Under the pro-  
3 gram required by this section, the Secretary of Defense,  
4 and the Secretary of Homeland Security, with respect to  
5 the Coast Guard when it is not operating as a service in  
6 the Navy, may enable members of the armed forces to ob-  
7 tain, while serving in the armed forces, professional cre-  
8 dentials for which such members are other otherwise quali-  
9 fied that do not relate to military training and skills if  
10 such Secretary determines that such action is in the best  
11 interests of the United States.”.

12 **SEC. 557. ENHANCEMENT OF AUTHORITIES IN CONNEC-**  
13 **TION WITH JUNIOR RESERVE OFFICERS’**  
14 **TRAINING CORPS PROGRAMS.**

15       (a) FLEXIBILITY IN AUTHORITIES FOR MANAGE-  
16 MENT OF PROGRAMS AND UNITS.—

17           (1) IN GENERAL.—Chapter 102 of title 10,  
18 United States Code, is amended by adding at the  
19 end the following new section:

20 **“§ 2034. Flexibility in authorities for management of**  
21 **programs and units**

22       “(a) AUTHORITY TO CONVERT OTHERWISE CLOSING  
23 UNITS TO NATIONAL DEFENSE CADET CORPS PROGRAM  
24 UNITS.—If the Secretary of a military department is noti-  
25 fied by a local educational agency of the intent of the

1 agency to close its Junior Reserve Officers' Training  
2 Corps, the Secretary shall offer the agency the option of  
3 converting the unit to a National Defense Cadet Corps  
4 (NDCC) program unit in lieu of closing the unit.

5       “(b) FLEXIBILITY IN ADMINISTRATION OF INSTRU-  
6 TORS.—

7           “(1) IN GENERAL.—The Secretaries of the mili-  
8 tary departments may, without regard to any other  
9 provision of this chapter, undertake initiatives de-  
10 signed to promote flexibility in the hiring and com-  
11 pensation of instructors for the Junior Reserve Offi-  
12 cers' Training Corps program under the jurisdiction  
13 of such Secretaries.

14           “(2) ELEMENTS.—The initiatives undertaken  
15 pursuant to this subsection may provide for one or  
16 more of the following:

17           “(A) Termination of the requirement for a  
18 waiver as a condition of the hiring of well-quali-  
19 fied non-commissioned officers with a bachelor's  
20 degree for senior instructor positions within the  
21 Junior Reserve Officers' Training Corps.

22           “(B) Specification of a single instructor as  
23 the minimum number of instructors required to  
24 found and operate a Junior Reserve Officers'  
25 Training Corps unit.

1           “(C) Authority for Junior Reserve Offi-  
2           cers’ Training Corps instructors to undertake  
3           school duties, in addition to Junior Reserve Of-  
4           ficers’ Training Corps duties, at small schools.

5           “(D) Authority for the payment of instruc-  
6           tor compensation for a limited number of Jun-  
7           ior Reserve Officers’ Training Corps instructors  
8           on a 10-month per year basis rather than a 12-  
9           month per year basis.

10           “(E) Such other actions as the Secretaries  
11           of the military departments consider appro-  
12           priate.

13           “(c) FLEXIBILITY IN ALLOCATION AND USE OF  
14 TRAVEL FUNDING.—The Secretaries of the military de-  
15 partments shall take appropriate actions to provide so-  
16 called regional directors of the Junior Reserve Officers’  
17 Training Corps programs located at remote rural schools  
18 enhanced discretion in the allocation and use of funds for  
19 travel in connection with Junior Reserve Officers’ Train-  
20 ing Corps activities.

21           “(d) STANDARDIZATION OF PROGRAM DATA.—The  
22 Secretary of Defense shall take appropriate actions to  
23 standardize the data collected and maintained on the Jun-  
24 ior Reserve Officers’ Training Corps programs in order  
25 to facilitate and enhance the collection and analysis of

1 such data. Such actions shall include a requirement for  
2 the use of the National Center for Education Statistics  
3 (NCES) identification code for each school with a unit  
4 under a Junior Reserve Officers' Training Corps program  
5 in order to facilitate identification of such schools and  
6 their units under the Junior Reserve Officers' Training  
7 Corps programs.”.

8           (2) CLERICAL AMENDMENT.—The table of sec-  
9           tions at the beginning of chapter 102 of such title  
10          is amended by adding at the end the following new  
11          item:

“2034. Flexibility in authorities for management of programs and units.”.

12          (b) AUTHORITY FOR ADDITIONAL UNITS.—The Sec-  
13          retaries of the military departments may, using amounts  
14          authorized to be appropriated by this Act and available  
15          in the funding tables in sections 4301 and 4401 for pur-  
16          poses of the Junior Reserve Officers' Training Corps pro-  
17          grams, establish an aggregate of not more than 100 units  
18          under the Junior Reserve Officers' Training Corps pro-  
19          grams in low-income and rural areas of the United States  
20          and areas of the United States currently underserved by  
21          the Junior Reserve Officers' Training Corps programs.

1 **Subtitle F—Defense Dependents’**  
2 **Education and Military Family**  
3 **Readiness Matters**

4 **PART I—DEFENSE DEPENDENTS’ EDUCATION**  
5 **MATTERS**

6 **SEC. 561. CONTINUATION OF AUTHORITY TO ASSIST LOCAL**  
7 **EDUCATIONAL AGENCIES THAT BENEFIT DE-**  
8 **PENDENTS OF MEMBERS OF THE ARMED**  
9 **FORCES AND DEPARTMENT OF DEFENSE CI-**  
10 **VILIAN EMPLOYEES.**

11 (a) ASSISTANCE TO SCHOOLS WITH SIGNIFICANT  
12 NUMBERS OF MILITARY DEPENDENT STUDENTS.—Of the  
13 amount authorized to be appropriated for fiscal year 2019  
14 by section 301 and available for operation and mainte-  
15 nance for Defense-wide activities as specified in the fund-  
16 ing table in section 4301, \$40,000,000 shall be available  
17 only for the purpose of providing assistance to local edu-  
18 cational agencies under subsection (a) of section 572 of  
19 the National Defense Authorization Act for Fiscal Year  
20 2006 (Public Law 109–163; 20 U.S.C. 7703b).

21 (b) LOCAL EDUCATIONAL AGENCY DEFINED.—In  
22 this section, the term “local educational agency” has the  
23 meaning given that term in section 7013(9) of the Ele-  
24 mentary and Secondary Education Act of 1965 (20 U.S.C.  
25 7713(9)).

1 **SEC. 562. IMPACT AID FOR CHILDREN WITH SEVERE DIS-**  
2 **ABILITIES.**

3 (a) IN GENERAL.—Of the amount authorized to be  
4 appropriated for fiscal year 2019 pursuant to section 301  
5 and available for operation and maintenance for Defense-  
6 wide activities as specified in the funding table in section  
7 4301, \$10,000,000 shall be available for payments under  
8 section 363 of the Floyd D. Spence National Defense Au-  
9 thorization Act for Fiscal Year 2001 (as enacted into law  
10 by Public Law 106–398; 114 Stat. 1654A–77; 20 U.S.C.  
11 7703a).

12 (b) USE OF CERTAIN AMOUNT.—Of the amount  
13 available under subsection (a) for payments as described  
14 in that subsection, \$5,000,000 shall be available for such  
15 payments to local educational agencies determined by the  
16 Secretary of Defense, in the discretion of the Secretary,  
17 to have higher concentrations of military children with se-  
18 vere disabilities.

19 **SEC. 563. DEPARTMENT OF DEFENSE EDUCATION ACTIVITY**  
20 **POLICIES AND PROCEDURES ON SEXUAL**  
21 **HARASSMENT OF STUDENTS OF ACTIVITY**  
22 **SCHOOLS.**

23 (a) APPLICABILITY OF TITLE IX PROTECTIONS.—  
24 The provisions of title IX of the Education Amendments  
25 of 1972 (20 U.S.C. 1681 et seq.) (in this section referred  
26 to as “title IX”) with respect to education programs or

1 activities receiving Federal financial assistance shall apply  
2 equally to education programs and activities administered  
3 by the Department of Defense Education Activity  
4 (DODEA).

5 (b) POLICIES AND PROCEDURES.—Not later than  
6 March 31, 2019, the Department of Defense Education  
7 Activity shall establish policies and procedures to protect  
8 students at schools of the Activity who are victims of sex-  
9 ual harassment. Such policies and procedures shall afford  
10 protections at least comparable to the protections afforded  
11 under title IX.

12 (c) ELEMENTS.—The policies and procedures re-  
13 quired by subsection (b) shall include, at a minimum, the  
14 following:

15 (1) A policy addressing sexual harassment of  
16 students at the schools of the Department of De-  
17 fense Education Activity that uses and incorporates  
18 terms, procedures, protections, investigation stand-  
19 ards, and standards of evidence consistent with title  
20 IX.

21 (2) A procedure by which—

22 (A) a student of a school of the Activity,  
23 or a parent of such a student, may file a com-  
24 plaint with the school alleging an incident of  
25 sexual harassment at the school; and

1 (B) such a student or parent may appeal  
2 the decision of the school regarding such com-  
3 plaint.

4 (3) A procedure and mechanisms for the ap-  
5 pointment and training of, and allocation of respon-  
6 sibility to, a coordinator at each school of the Activ-  
7 ity for sexual harassment matters involving students  
8 from the military community served by such school.

9 (4) Training of employees of the Activity, and  
10 volunteers at schools of the Activity, on the policies  
11 and procedures.

12 (5) Mechanisms for the broad distribution and  
13 display of the policy described in paragraph (1), in-  
14 cluding on the Internet website of the Activity and  
15 on Internet websites of schools of the Activity, in  
16 printed and online versions of student handbooks,  
17 and in brochures and flyers displayed on school bul-  
18 letin boards and in guidance counselor offices.

19 (6) Reporting and recordkeeping requirements  
20 designed to ensure that—

21 (A) complaints of sexual harassment at  
22 schools of the Activity are handled—

23 (i) with professionalism and consist-  
24 ency; and



1 (ii) in a manner that permits coordi-  
 2 nators referred to in paragraph (3) to  
 3 track trends in incidents of sexual harass-  
 4 ment and to identify repeat offenders of  
 5 sexual harassment; and

6 (B) appropriate members of the local lead-  
 7 ership of military communities are held ac-  
 8 countable for acting upon complaints of sexual  
 9 harassment at schools of the Activity.

10 **PART II—MILITARY FAMILY READINESS**

11 **MATTERS**

12 **SEC. 566. IMPROVEMENT OF AUTHORITY TO CONDUCT**  
 13 **FAMILY SUPPORT PROGRAMS FOR IMME-**  
 14 **Diate FAMILY MEMBERS OF THE ARMED**  
 15 **FORCES ASSIGNED TO SPECIAL OPERATIONS**  
 16 **FORCES.**

17 (a) COSTS OF PARTICIPATION OF FAMILY MEMBERS  
 18 IN PROGRAMS.—Section 1788a of title 10, United States  
 19 Code, is amended—

20 (1) by redesignating subsections (c), (d), and  
 21 (e) as subsections (d), (e), and (f), respectively; and

22 (2) by inserting after subsection (b) the fol-  
 23 lowing new subsection (c):

24 “(c) COSTS OF FAMILY MEMBER PARTICIPATION.—

25 In carrying out family support programs under this sec-

1 tion, the Commander may also pay, or reimburse imme-  
 2 diate family members, for transportation, food, lodging,  
 3 child care, supplies, fees, and training materials in connec-  
 4 tion with the participation of family members in such pro-  
 5 grams.”.

6 (b) FUNDING.—Subsection (d) of such section, as re-  
 7 designated by subsection (a)(1) of this section, is amend-  
 8 ed—

9 (1) by striking “up to \$5,000,000” and insert-  
 10 ing “up to \$10,000,000”; and

11 (2) by inserting before the period the following:  
 12 “, including payment of costs of participation in  
 13 such programs as authorized by subsection (c)”.

14 (c) TECHNICAL AMENDMENT.—Paragraph (3) of  
 15 subsection (f) of such section, as so redesignated, is  
 16 amended by striking “section 167(i)” and inserting “sec-  
 17 tion 167(j)”.

18 **SEC. 567. EXPANSION OF PERIOD OF AVAILABILITY OF**  
 19 **MILITARY ONESOURCE PROGRAM FOR RE-**  
 20 **TIRED AND DISCHARGED MEMBERS OF THE**  
 21 **ARMED FORCES AND THEIR IMMEDIATE FAM-**  
 22 **ILIES.**

23 (a) IN GENERAL.—Under regulations prescribed by  
 24 the Secretary of Defense, the period of eligibility for the  
 25 Military OneSource program of the Department of De-

1 fense of an eligible individual retired, discharged, or other-  
2 wise released from the Armed Forces, and for the eligible  
3 immediate family members of such an individual, shall be  
4 the one-year period beginning on the date of the retire-  
5 ment, discharge, or release, as applicable, of such indi-  
6 vidual.

7 (b) INFORMATION TO FAMILIES.—The Secretary  
8 shall, in such manner as the Secretary considers appro-  
9 priate, inform military families and families of veterans  
10 of the Armed Forces of the wide range of benefits avail-  
11 able through the Military OneSource program.

12 **SEC. 568. EXPANSION OF AUTHORITY FOR NONCOMPETI-**  
13 **TIVE APPOINTMENTS OF MILITARY SPOUSES**  
14 **BY FEDERAL AGENCIES.**

15 (a) EXPANSION TO INCLUDE ALL SPOUSES OF MEM-  
16 BERS OF THE ARMED FORCES ON ACTIVE DUTY.—Sec-  
17 tion 3330d of title 5, United States Code, is amended—

18 (1) in subsection (a)—

19 (A) by striking paragraphs (3), (4), and  
20 (5); and

21 (B) by redesignating paragraph (6) as  
22 paragraph (3);

23 (2) by striking subsections (b) and (c) and in-  
24 serting the following new subsection (b):

1       “(b) APPOINTMENT AUTHORITY.—The head of an  
2 agency may appoint noncompetitively—

3           “(1) a spouse of a member of the Armed Forces  
4 on active duty; or

5           “(2) a spouse of a disabled or deceased member  
6 of the Armed Forces.”;

7           (3) by redesignating subsection (d) as sub-  
8 section (c); and

9           (4) in subsection (c), as so redesignated, by  
10 striking “subsection (a)(6)” in paragraph (1) and  
11 inserting “subsection (a)(3)”.

12       (b) HEADING AMENDMENT.—The heading of such  
13 section is amended to read as follows:

14 **“§ 3330d. Appointment of military spouses”.**

15       (c) CLERICAL AMENDMENT.—The table of sections  
16 at the beginning of chapter 33 of such title is amended  
17 by striking the item relating to section 3330d and insert-  
18 ing the following new item:

“3330d. Appointment of military spouses.”.

19 **SEC. 569. IMPROVEMENT OF MY CAREER ADVANCEMENT**  
20 **ACCOUNT PROGRAM FOR MILITARY**  
21 **SPOUSES.**

22       (a) OUTREACH ON AVAILABILITY OF PROGRAM.—

23           (1) IN GENERAL.—The Secretary of Defense  
24 shall take appropriate actions to ensure that military  
25 spouses who are eligible for participation in the My

1 Career Advancement Account (MyCAA) program of  
2 the Department of Defense are, to the extent prac-  
3 ticable, made aware of the program.

4 (2) COMPTROLLER GENERAL REPORT.—Not  
5 later than 180 days after the date of the enactment  
6 of this Act, the Comptroller General of the United  
7 States shall submit to the Committees on Armed  
8 Services of the Senate and the House of Representa-  
9 tives a report setting forth such recommendations as  
10 the Comptroller General considers appropriate re-  
11 garding the following:

12 (A) Mechanisms to increase awareness of  
13 the My Career Advancement Account program  
14 among military spouses who are eligible to par-  
15 ticipate in the program.

16 (B) Mechanisms to increase participation  
17 in the My Career Advancement Account pro-  
18 gram among military spouses who are eligible  
19 to participate in the program.

20 (b) TRAINING FOR INSTALLATION CAREER COUN-  
21 SELORS ON PROGRAM.—The Secretaries of the military  
22 departments shall take appropriate actions to ensure that  
23 career counselors at military installations receive appro-  
24 priate training and current information on eligibility for  
25 and use of benefits under the My Career Advancement Ac-

1 count program, including financial assistance to cover  
2 costs associated with professional recertification, port-  
3 ability of occupational licenses, professional credential  
4 exams, and other mechanisms in connection with the port-  
5 ability of professional licenses.

6 **SEC. 570. ACCESS TO MILITARY INSTALLATIONS FOR CER-**  
7 **TAIN SURVIVING SPOUSES AND OTHER NEXT**  
8 **OF KIN OF MEMBERS OF THE ARMED FORCES**  
9 **WHO DIE WHILE ON ACTIVE DUTY OR CER-**  
10 **TAIN RESERVE DUTY.**

11 (a) PROCEDURES FOR ACCESS OF SURVIVING  
12 SPOUSES REQUIRED.—The Secretary of Defense, acting  
13 jointly with the Secretary of Homeland Security, shall es-  
14 tablish procedures by which an eligible surviving spouse  
15 may obtain unescorted access, as appropriate, to military  
16 installations in order to receive benefits to which the eligi-  
17 ble surviving spouse may be entitled by law or policy.

18 (b) ELIGIBLE SURVIVING SPOUSE.—

19 (1) IN GENERAL.—In this section, the term “el-  
20 ible surviving spouse” means an individual who—

21 (A) is a surviving spouse of a member of  
22 the Armed Forces who dies while serving—

23 (i) on active duty; or

24 (ii) on such reserve duty as the Sec-  
25 retary of Defense and the Secretary of

1           Homeland Security may jointly specify for  
2           purposes of this section; and

3           (B) has guardianship of one or more de-  
4           pendent children of such member.

5           (2) STATUS NOT EFFECTED BY REMARRIAGE.—

6           An individual is an eligible surviving spouse for pur-  
7           poses of this section without regard to whether the  
8           individual remarries after the death of the member  
9           concerned.

10          (c) PROCEDURES FOR ACCESS OF NEXT OF KIN AU-  
11          THORIZED.—

12           (1) IN GENERAL.—The Secretary of Defense,  
13           acting jointly with the Secretary of Homeland Secu-  
14           rity, may establish procedures by which the next of  
15           kin of a deceased member of the Armed Forces, in  
16           addition to an eligible surviving spouse, may obtain  
17           access to military installations for such purposes and  
18           under such conditions as the Secretaries jointly con-  
19           sider appropriate.

20           (2) NEXT OF KIN.—If the Secretaries establish  
21           procedures pursuant to paragraph (1), the Secre-  
22           taries shall jointly specify the individuals who shall  
23           constitute next of kin for purposes of such proce-  
24           dures.

1 (d) CONSIDERATIONS.—Any procedures established  
2 under this section shall—

3 (1) be applied consistently across the Depart-  
4 ment of Defense and the Department of Homeland  
5 Security, including all components of the Depart-  
6 ments;

7 (2) minimize any administrative burden on a  
8 surviving spouse or dependent child, including  
9 through the elimination of any requirement for a  
10 surviving spouse to apply as a personal agent for  
11 continued access to military installations in accom-  
12 paniment of a dependent child;

13 (3) take into account measures required to en-  
14 sure the security of military installations, including  
15 purpose and eligibility for access and renewal perio-  
16 dicity; and

17 (4) take into account such other factors as the  
18 Secretary of Defense or the Secretary of Homeland  
19 Security considers appropriate.

20 (e) DEADLINE.—The procedures required by sub-  
21 section (a) shall be established by the date that is not later  
22 than one year after the date of the enactment of this Act.

23 **SEC. 571. DEPARTMENT OF DEFENSE MILITARY FAMILY**  
24 **READINESS COUNCIL MATTERS.**

25 (a) MEMBER MATTERS.—



1           (1) MEMBERSHIP.—Paragraph (1)(B) of sub-  
2           section (b) of section 1781a of title 10, United  
3           States Code, is amended—

4                   (A) in clause (i), by striking “a member of  
5                   the armed force to be represented” and insert-  
6                   ing “a member or civilian employee of the  
7                   armed force to be represented”; and

8                   (B) by striking clause (ii) and inserting the  
9                   following new clause (ii):

10                           “(ii) One representative, who shall be  
11                           a member or civilian employee of the Na-  
12                           tional Guard Bureau, to represent both the  
13                           Army National Guard and the Air Na-  
14                           tional Guard.”.

15           (2) TERMS.—Paragraph (2) of such subsection  
16           is amended—

17                   (A) in subparagraph (A)—

18                           (i) in the first sentence, by striking  
19                           “clauses (i) and (iii) of”; and

20                           (ii) by striking the second sentence;

21                   and

22                   (B) in subparagraph (B), by striking  
23                   “three years” and inserting “two years”.

24           (b) DUTIES.—Subsection (d) of such section is  
25           amended—

1           (1) in paragraph (2), by striking “military fam-  
2           ily readiness by the Department of Defense” and in-  
3           serting “military family readiness programs and ac-  
4           tivities of the Department of Defense”; and

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

7           “(4) To make recommendations to the Sec-  
8           retary of Defense to improve collaboration, aware-  
9           ness, and promotion of accurate and timely military  
10          family readiness information and support services by  
11          policy makers, service providers, and targeted bene-  
12          ficiaries.”.

13          (c) ANNUAL REPORTS.—Subsection (e) of such sec-  
14          tion is amended by striking “February 1” and inserting  
15          “July 1”.

16          (d) EFFECTIVE DATE.—

17               (1) IN GENERAL.—The amendments made by  
18               this section shall take effect on the date of the en-  
19               actment of this Act.

20               (2) APPLICABILITY OF MEMBERSHIP AND TERM  
21               AMENDMENTS.—The amendments made by sub-  
22               section (a) shall apply to members of the Depart-  
23               ment of Defense Military Family Readiness Council  
24               appointed after the date of the enactment of this  
25               Act.

1 **SEC. 572. MULTIDISCIPLINARY TEAMS FOR MILITARY IN-**  
2 **STALLATIONS ON CHILD ABUSE AND OTHER**  
3 **DOMESTIC VIOLENCE.**

4 (a) MULTIDISCIPLINARY TEAMS REQUIRED.—

5 (1) IN GENERAL.—Under regulations prescribed  
6 by each Secretary concerned, there shall be estab-  
7 lished and maintained for each military installation,  
8 except as provided in paragraph (2), one or more  
9 multidisciplinary teams on child abuse and other do-  
10 mestic violence for the purposes specified in sub-  
11 section (b).

12 (2) SINGLE TEAM FOR PROXIMATE INSTALLA-  
13 TIONS.—A single multidisciplinary team described in  
14 paragraph (1) may be established and maintained  
15 under this subsection for two or more military in-  
16 stallations in proximity with one another if the Sec-  
17 retary concerned determines, in consultation with  
18 the Secretary of Defense, that a single team for such  
19 installations suffices to carry out the purposes of  
20 such teams under subsection (b) for such installa-  
21 tions.

22 (b) PURPOSES.—The purposes of each multidisci-  
23 plinary team maintained pursuant to subsection (a) shall  
24 be as follows:

25 (1) To provide for the sharing of information  
26 among such team and other appropriate personnel

1 on the installation or installations concerned regard-  
2 ing the progress of investigations into and resolu-  
3 tions of incidents of child abuse and other domestic  
4 violence involving members of the Armed Forces sta-  
5 tioned at or otherwise assigned to the installation or  
6 installations.

7 (2) To provide for and enhance collaborative ef-  
8 forts among such team and other appropriate per-  
9 sonnel of the installation or installations regarding  
10 investigations into and resolutions of such incidents.

11 (3) To enhance the social services available to  
12 military families at the installation or installations in  
13 connection with such incidents, including through  
14 the enhancement of cooperation among specialists  
15 and other personnel providing such services to such  
16 military families in connection with such incidents

17 (4) To carry out such other duties regarding  
18 the response to child abuse and other domestic vio-  
19 lence at the installation or installations as the Sec-  
20 retary concerned considers appropriate for such pur-  
21 poses.

22 (c) PERSONNEL.—

23 (1) IN GENERAL.—Each multidisciplinary team  
24 maintained pursuant to subsection (a) shall be com-  
25 posed of the following:

1 (A) One or more judge advocates.

2 (B) Appropriate personnel of one or more  
3 military criminal investigation services.

4 (C) Appropriate mental health profes-  
5 sionals.

6 (D) Appropriate medical personnel.

7 (E) Family advocacy case workers.

8 (F) Such other personnel as the Secretary  
9 or Secretaries concerned consider appropriate.

10 (2) EXPERTISE AND TRAINING.—Any individual  
11 assigned to a multidisciplinary team shall possess  
12 such expertise, and shall undertake such training as  
13 is required to maintain such expertise, as the Sec-  
14 retary concerned shall specify for purposes of this  
15 section in order to ensure that members of the team  
16 remain appropriately qualified to carry out the pur-  
17 poses of the team under this section. The training  
18 and expertise so specified shall include training and  
19 expertise on special victims' crimes, including child  
20 abuse and other domestic violence.

21 (d) COORDINATION AND COLLABORATION WITH  
22 NON-MILITARY RESOURCES.—

23 (1) USE OF COMMUNITY RESOURCES SERVING  
24 INSTALLATIONS.—In providing under this section for  
25 a multidisciplinary team for a military installation or

1 installations that benefit from services or resources  
2 on child abuse or other domestic violence that are  
3 provided by civilian entities in the vicinity of the in-  
4 stallation or installations, the Secretary concerned  
5 may take the availability of such services or re-  
6 sources to the installation or installations into ac-  
7 count in providing for the composition and duties of  
8 the team.

9 (2) BEST PRACTICES.—The Secretaries con-  
10 cerned shall take appropriate actions to ensure that  
11 multidisciplinary teams maintained pursuant to sub-  
12 section (a) remain fully and currently apprised of  
13 best practices in the civilian sector on investigations  
14 into and resolutions of incidents of child abuse and  
15 other domestic violence and on the social services  
16 provided in connection with such incidents.

17 (3) COLLABORATION.—In providing for the en-  
18 hancement of social services available to military  
19 families in accordance with subsection (b)(3), the  
20 Secretaries concerned shall permit, facilitate, and  
21 encourage multidisciplinary teams to collaborate  
22 with appropriate civilian agencies in the vicinity of  
23 the military installations concerned with regard to  
24 availability, provision, and use of such services to  
25 and by such families.

1 (e) ANNUAL REPORTS.—Not later than March 1 of  
2 each of 2020 through 2022, each Secretary concerned  
3 shall submit to the Committees on Armed Services of the  
4 Senate and the House of Representatives a report on the  
5 activities of multidisciplinary teams maintained pursuant  
6 to subsection (a) under the jurisdiction of such Secretary  
7 during the preceding year. Each report shall set forth, for  
8 the period covered by such report, the following:

9 (1) A summary description of the activities of  
10 the multidisciplinary teams concerned, including the  
11 number and composition of such teams, the recur-  
12 ring activities of such teams, and any notable  
13 achievements of such teams.

14 (2) A description of any impediments to the ef-  
15 fectiveness of such teams.

16 (3) Such recommendations for legislative or ad-  
17 ministrative action as such Secretary considers ap-  
18 propriate in order to improve the effectiveness of  
19 such teams.

20 (4) Such other matters with respect to such  
21 teams as such Secretary considers appropriate.

22 (f) SECRETARY CONCERNED.—

23 (1) DEFINITION.—In this section, the term  
24 “Secretary concerned” has the meaning given that

1 term in section 101(a)(9) of title 10, United States  
2 Code.

3 (2) USAGE WITH RESPECT TO MULTIPLE IN-  
4 STALLATIONS.—For purposes of this section, any  
5 reference to “Secretary concerned” with respect to a  
6 single multidisciplinary team established and main-  
7 tained pursuant to subsection (a) for two or more  
8 military installations that are under the jurisdiction  
9 of different Secretaries concerned, shall be deemed  
10 to refer to each Secretary concerned who has juris-  
11 diction of such an installation, acting jointly.

12 **SEC. 573. PROVISIONAL OR INTERIM CLEARANCES TO PRO-**  
13 **VIDE CHILDCARE SERVICES AT MILITARY**  
14 **CHILDCARE CENTERS.**

15 (a) IN GENERAL.—The Secretary of Defense shall  
16 implement a policy to permit the issuance on a provisional  
17 or interim basis of clearances for the provision of childcare  
18 services at military childcare centers.

19 (b) ELEMENTS.—The policy required by subsection  
20 (a) shall provide for the following:

21 (1) Any clearance issued under the policy shall  
22 be temporary and contingent upon the satisfaction  
23 of such requirements for the issuance of a clearance  
24 on a permanent basis as the Secretary considers ap-  
25 propriate.



1           (2) Any individual issued a clearance on a pro-  
2           visional or interim basis under the policy shall be  
3           subject to such supervision in the provision of  
4           childcare services using such clearance as the Sec-  
5           retary considers appropriate.

6           (c) CLEARANCE DEFINED.—In this section, the term  
7           “clearance”, with respect to an individual and the provi-  
8           sion of childcare services, means the formal approval of  
9           the individual, after appropriate background checks and  
10          other review, to provide childcare services to children at  
11          a military childcare center of the Department of Defense.

12   **SEC. 574. PILOT PROGRAM ON PREVENTION OF CHILD**  
13                   **ABUSE AND TRAINING ON SAFE CHILDCARE**  
14                   **PRACTICES AMONG MILITARY FAMILIES.**

15          (a) PILOT PROGRAM.—

16           (1) IN GENERAL.—The Secretary of Defense  
17           shall, acting through the Defense Health Agency,  
18           carry out a pilot program on universal home visits  
19           for purposes of providing eligible covered bene-  
20           ficiaries and their families training on safe childcare  
21           practices aimed at reducing child abuse and fatali-  
22           ties due to abuse and neglect, assessments of risk  
23           factors for child abuse, and connections with com-  
24           munity resources to meet identified needs.

1           (2) SCOPE.—The pilot program shall be de-  
2           signed to facilitate connections between covered  
3           beneficiaries and their families and community re-  
4           sources (including existing resources provided by the  
5           Armed Forces). The pilot program, including the  
6           practices covered by training pursuant to the pilot  
7           program, shall conform to evidence-based scientific  
8           criteria, including criteria available through publica-  
9           tions in peer-reviewed scientific journals.

10           (3) ELEMENTS.—The pilot program shall in-  
11           clude the following:

12                   (A) Between one and three home visits,  
13                   and not more than seven other contacts, except  
14                   in unusual cases (such as deployments), with  
15                   such home visits by a team led by a nurse,  
16                   whenever practicable, to provide screening, com-  
17                   munity resource referral, and training to eligi-  
18                   ble covered beneficiaries and their families on  
19                   the following:

20                           (i) General maternal and infant  
21                           health.

22                           (ii) Safe sleeping environments.

23                           (iii) Feeding and bathing.

24                           (iv) Adequate supervision.

25                           (v) Common hazards.

1 (vi) Self-care.

2 (vii) Recognition of post-partum de-  
3 pression, substance abuse, and domestic vi-  
4 olence in a mother or her partner and com-  
5 munity violence.

6 (viii) Skills for management of infant  
7 crying.

8 (ix) Other positive parenting skills  
9 and practices.

10 (x) The importance of participating in  
11 ongoing healthcare for an infant and in on-  
12 going healthcare for post-partum depres-  
13 sion.

14 (xi) Finding, qualifying for, and par-  
15 ticipating in available community resources  
16 with respect to infant care, childcare, and  
17 parenting support.

18 (xii) Planning for parenting or guard-  
19 ianship of children during deployment.

20 (xiii) Such other matters as the Sec-  
21 retary considers appropriate.

22 (B) If a parent is deployed at the time of  
23 birth—

24 (i) the first home visit pursuant to  
25 subparagraph (A) shall, to the extent prac-

1            ticable, incorporate both parents, in person  
2            with the local parent and by electronic  
3            means (such as Skype or FaceTime) with  
4            the deployed parent; and

5            (ii) another such home visit shall be  
6            conducted upon the return of the parent  
7            from deployment, and shall include both  
8            parents.

9            (C) An electronic directory of community  
10           resources available to eligible covered bene-  
11           ficiaries and their families in order to assist  
12           teams described in subparagraph (A) in con-  
13           necting beneficiaries and families with such re-  
14           sources.

15           (D) An electronic integrated data system  
16           to—

17           (i) support teams in referring bene-  
18           ficiaries to the services and resources to be  
19           offered under subsection (c)(3) and track  
20           beneficiary usage;

21           (ii) track interactions between teams  
22           described in subparagraph (A) and eligible  
23           beneficiaries and their families; and

1 (iii) otherwise evaluate the implemen-  
2 tation and effectiveness of the pilot pro-  
3 gram.

4 (b) MANDATORY PARTICIPATION.—

5 (1) IN GENERAL.—Except as provided in para-  
6 graph (2), the Secretary shall require all eligible cov-  
7 ered beneficiaries at each installation at which the  
8 pilot program is being conducted to be contacted by  
9 the pilot program under this section.

10 (2) EXCEPTION.—The Secretary shall encour-  
11 age participation by both parents of a child in the  
12 pilot program, but participation by one parent shall  
13 be sufficient to meet the requirement under para-  
14 graph (1).

15 (c) AVAILABLE SERVICES AND RESOURCES.—

16 (1) IN GENERAL.—In carrying out the pilot  
17 program under this section, the Secretary shall offer  
18 services and resources to an eligible covered bene-  
19 ficiary based on the particular needs of the bene-  
20 ficiary and the beneficiary's family.

21 (2) VOLUNTARY PARTICIPATION.—Participation  
22 by an eligible covered beneficiary and family in any  
23 service or resource offered under paragraph (1) shall  
24 be at the election of the beneficiary.

1           (3) ASSESSMENT OF ELIGIBLE COVERED BENE-  
2           FICIARIES.—

3           (A) IN GENERAL.—In carrying out the  
4           pilot program, the Secretary shall conduct, or  
5           attempt to conduct, an assessment of every eli-  
6           gible covered beneficiary and beneficiary family  
7           participating in the pilot program, regardless of  
8           risk factors, to determine which services and re-  
9           sources to offer such beneficiary and family  
10          under paragraph (1).

11          (B) PARTICULAR NEEDS.—In conducting  
12          an assessment of an eligible covered beneficiary  
13          and family under subparagraph (A), the Sec-  
14          retary shall assess their needs and eligibility for  
15          particular services and resources and connect  
16          the beneficiary and family to services and re-  
17          sources for which they have a need and are eli-  
18          gible, either within the Department of Defense  
19          or elsewhere.

20          (d) INVOLVEMENT OF MEDICAL STAFF.—

21           (1) IN GENERAL.—The Secretary shall ensure  
22           that the pilot program under this section is con-  
23           ducted by licensed medical staff of the Department  
24           of Defense and not family advocacy staff.

25           (2) HOME VISITS.—

1           (A) IN GENERAL.—The Secretary shall en-  
2           sure that the pilot program includes the fol-  
3           lowing:

4                   (i) An initial contact made prenatally  
5                   (except when not possible, in which case  
6                   the contact shall occur as soon after birth  
7                   as possible) by a team described in sub-  
8                   section (a)(3)(A), which shall include  
9                   screening for the matters specified in that  
10                  subsection.

11                  (ii) Home visits by a nurse or other li-  
12                  censed medical professional trained in the  
13                  practices covered by the program at the  
14                  birth of a child, which visits shall follow a  
15                  research-based structured clinical protocol  
16                  and include use of the electronic integrated  
17                  data described in subsection (a)(3)(D).

18           (B) TIMING OF VISITS.—The first visits  
19           under subparagraph (A)(ii) shall occur between  
20           two and five weeks after hospital discharge with  
21           appropriate follow-up generally accomplished  
22           within two home visits.

23           (C) DURATION OF VISITS.—Visits under  
24           this paragraph shall have a duration between  
25           90 minutes and 2 hours.

1           (D) FINAL VISIT.—Not later than 45 days  
2           after the last visit conducted by a nurse under  
3           subparagraph (A)(ii) with respect to an eligible  
4           covered beneficiary, appropriate staff shall fol-  
5           low-up with the beneficiary and the bene-  
6           ficiary’s family to assess if they are using the  
7           services recommended under subsection (c).

8           (e) IMPLEMENTATION ASSESSMENTS.—

9           (1) IN GENERAL.—The Secretary shall carry  
10          out not fewer than five implementation assessments  
11          in accordance with this subsection in order to assess  
12          the effectiveness of the elements and requirements of  
13          the pilot program.

14          (2) SCHEDULE.—The implementation assess-  
15          ment required by this subsection shall be completed  
16          by not later than two years after the date of the en-  
17          actment of this Act.

18          (3) LOCATIONS.—The implementation assess-  
19          ments shall be carried out at not less than five mili-  
20          tary installations selected by the Secretary for pur-  
21          poses of this subsection. In selecting such installa-  
22          tions, the Secretary shall select installations rep-  
23          resenting a range of circumstances, including instal-  
24          lations in an urban location and a rural location, in-  
25          stallations with a large population and with a small



1 population, installations currently experiencing high  
2 incidence of child abuse, neglect, or both and low in-  
3 cidence of child abuse, neglect, or both, installations  
4 with a hospital or clinic and without a hospital or  
5 clinic, joint installations, and installations serving  
6 only one Armed Force.

7 (4) ASSESSMENT.—In carrying out the imple-  
8 mentation assessments, the Secretary shall seek to  
9 obtain an assessment of each of the following:

10 (A) The ability of nurses or other licensed  
11 medical professionals to contact families eligible  
12 for participation in the pilot program.

13 (B) The extent to which families eligible  
14 for participation in the program actually par-  
15 ticipate in the pilot program.

16 (C) The ability of medical personnel to ad-  
17 here to the clinical protocols of the pilot pro-  
18 gram.

19 (D) The extent to which families partici-  
20 pating in the pilot program are being connected  
21 to services and resources under the pilot pro-  
22 gram.

23 (E) The extent to which families partici-  
24 pating in the pilot program are using services  
25 and resources under the pilot program.

1 (f) REPORTS.—

2 (1) INITIAL REPORT.—Not later than 180 days  
3 after the date of the enactment of this Act, the Sec-  
4 retary shall submit to the Committees on Armed  
5 Services of the Senate and the House of Representa-  
6 tives a report on the pilot program to be carried out  
7 pursuant to this section. The report shall include a  
8 comprehensive description of each implementation  
9 assessment to be carried out pursuant to subsection  
10 (e), including—

11 (A) the installation at which such imple-  
12 mentation assessment is being carried out;

13 (B) a justification for the selection of such  
14 installation for purposes of subsection (e); and

15 (C) the elements and requirements of the  
16 pilot program being carried out through such  
17 implementation assessment, including strategy  
18 and metrics for evaluating effectiveness.

19 (2) FINAL REPORT.—Not later than 180 days  
20 after the completion of the pilot program, the Sec-  
21 retary shall submit to the committees specified in  
22 paragraph (1) a report on the pilot program. The re-  
23 port shall include the following:

1           (A) A comprehensive description and as-  
2           assessment of each of the implementation assess-  
3           ments under subsection (e).

4           (B) A comprehensive description and as-  
5           sessment of the pilot program.

6           (C) Such recommendations for legislative  
7           or administrative action as the Secretary con-  
8           siders appropriate in light of pilot program, in-  
9           cluding recommendations for modifications of  
10          the pilot program or extension of the pilot pro-  
11          gram on an permanent basis at additional loca-  
12          tions.

13          (g) IMPLEMENTATION DEFENSE-WIDE.—If the Sec-  
14          retary determines as a result of the pilot program that  
15          any element of the pilot program is effective, the Secretary  
16          shall take appropriate actions to implement the pilot pro-  
17          gram as a program throughout and across the military  
18          installations of the Department.

19          (h) DEFINITIONS.—In this section:

20           (1) The term “community”, with respect to a  
21           military installation, means the catchment area for  
22           community services of the installation, including  
23           services provided on the installation and services  
24           provided by State, county, and local jurisdictions in

1       which the installation is located or in the vicinity of  
2       the installation.

3               (2) The term “eligible covered beneficiary”  
4       means a covered beneficiary (as that term is defined  
5       in section 1072 of title 10, United States Code) who  
6       obtains pre-natal and obstetrical care in a military  
7       medical treatment facility in connection with a birth  
8       covered by the pilot program.

9       **SEC. 575. PILOT PROGRAM ON PARTICIPATION OF MILI-**  
10                   **TARY SPOUSES IN TRANSITION ASSISTANCE**  
11                   **PROGRAM ACTIVITIES.**

12       (a) **PILOT PROGRAM REQUIRED.**—The Secretary of  
13       Defense shall carry out a pilot program to assess the  
14       feasability and advisability of permitting military spouses  
15       to participate in activities under the Transition Assistance  
16       Program (TAP) under section 1144 of title 10, United  
17       States Code, on military installations.

18       (b) **LOCATIONS.**—The Secretary shall carry out the  
19       pilot program at not fewer than five military installations  
20       selected by the Secretary for purposes of the pilot pro-  
21       gram.

22       (c) **DURATION.**—The Secretary shall carry out the  
23       pilot program during the five-year period beginning on the  
24       date of the enactment of this Act.

25       (d) **PARTICIPATION.**—

1           (1) IN GENERAL.—Under the pilot program,  
2           the spouse of a member of the Armed Forces as-  
3           signed to a military installation at which the pilot  
4           program is carried out who is participating in activi-  
5           ties under the Transition Assistance Program may  
6           participate in such activities under the Program as  
7           the spouse considers appropriate, regardless of  
8           whether the member is also participating in such ac-  
9           tivities at the time of the spouse’s participation.

10           (2) ADEQUATE FACILITIES.—The Secretary  
11           shall ensure that the facilities for the carrying out  
12           of activities under the Transition Assistance Pro-  
13           gram at each installation at which the pilot program  
14           is carried out are adequate to permit the participa-  
15           tion in such activities of any spouse of a member of  
16           the Armed Forces at the installation who seeks to  
17           participate in such activities.

18           (e) REPORTS.—

19           (1) INITIAL REPORT.—Not later than six  
20           months after the date of the enactment of this Act,  
21           the Secretary shall submit to the Committees on  
22           Armed Services of the Senate and the House of Rep-  
23           resentatives a report on the pilot program, including  
24           a comprehensive description of the pilot program.

1           (2) FINAL REPORT.—Not later than six months  
2 after the completion of the pilot program, the Sec-  
3 retary shall submit to the Committees on Armed  
4 Services of the Senate and the House of Representa-  
5 tives a report on the pilot program. The report shall  
6 include the following:

7           (A) A comprehensive description of the  
8 pilot program, including the installations at  
9 which the pilot program was carried out and  
10 the rates of participation of military spouses in  
11 activities under the Transition Assistance Pro-  
12 gram pursuant to the pilot program.

13           (B) Such recommendations for extension  
14 or expansion of the pilot program, including  
15 making the pilot program permanent, as the  
16 Secretary considers appropriate in light of the  
17 pilot program.

18 **SEC. 576. SMALL BUSINESS ACTIVITIES OF MILITARY**  
19 **SPOUSES ON MILITARY INSTALLATIONS IN**  
20 **THE UNITED STATES.**

21           (a) ASSESSMENT OF SMALL BUSINESS ACTIVI-  
22 TIES.—The Secretary of Defense shall submit to Congress  
23 a report setting forth an assessment of the feasibility and  
24 advisability of permitting military spouses to engage in  
25 small business activities on military installations in the

1 United States and in partnership with commissaries, ex-  
2 change stores, and other morale, welfare, and recreation  
3 facilities of the Armed Forces in the United States.

4 (b) ELEMENTS.—The assessment shall—

5 (1) take into account the usage by military  
6 spouses of installation facilities, utilities, and other  
7 resources in the conduct of small business activities  
8 on military installations in the United States and  
9 such other matters in connection with the conduct of  
10 such business activities by military spouses as the  
11 Secretary considers appropriate; and

12 (2) seek to identify mechanisms to ensure that  
13 costs and fees associated with the usage by military  
14 spouses of such facilities, utilities, and other re-  
15 sources in connection with such business activities  
16 does not meaningfully curtail or eliminate the oppor-  
17 tunity for military spouses to profit reasonably from  
18 such business activities.

1           **Subtitle G—Decorations and**  
2                                   **Awards**

3   **SEC. 581. AUTHORIZATION FOR AWARD OF THE DISTIN-**  
4                                   **GUISHED SERVICE CROSS FOR JUSTIN T.**  
5                                   **GALLEGOS FOR ACTS OF VALOR DURING OP-**  
6                                   **ERATION ENDURING FREEDOM.**

7           (a) AUTHORIZATION.—Notwithstanding the time lim-  
8           itations specified in section 3744 of title 10, United States  
9           Code, or any other time limitation with respect to the  
10          awarding of certain medals to persons who served in the  
11          Armed Forces, the Secretary of the Army may award the  
12          Distinguished Service Cross under section 3742 of such  
13          title to Justin T. Gallegos for the acts of valor during Op-  
14          eration Enduring Freedom described in subsection (b).

15          (b) ACTION DESCRIBED.—The acts of valor referred  
16          to in subsection (a) are the actions of Justin T. Gallegos  
17          on October 3, 2009, while serving in the grade of Staff  
18          Sergeant in Afghanistan while serving with B Troop, 3d  
19          Squadron, 61st Cavalry Regiment, 4th Brigade Combat  
20          Team, 4th Infantry Division.

21   **SEC. 582. AWARD OF MEDALS OR OTHER COMMENDATIONS**  
22                                   **TO HANDLERS OF MILITARY WORKING DOGS.**

23          (a) PROGRAM OF AWARD REQUIRED.—Each Sec-  
24          retary of a military department shall carry out a program  
25          to provide for the award of one or more medals or other



1 commendations to handlers of military working dogs  
2 under the jurisdiction of such Secretary to recognize valor  
3 or meritorious achievement by such handlers and dogs.

4 (b) MEDALS AND COMMENDATIONS.—Any medal or  
5 commendation awarded pursuant to a program under sub-  
6 section (a) shall be of such design, and include such ele-  
7 ments, as the Secretary of the military department con-  
8 cerned shall specify.

9 (c) PRESENTATION AND ACCEPTANCE.—Any medal  
10 or commendation awarded pursuant to a program under  
11 subsection (a) may be presented to and accepted by the  
12 handler concerned on behalf of the handler and the mili-  
13 tary working dog concerned.

14 (d) REGULATIONS.—Medals and commendations  
15 shall be awarded under programs under subsection (a) in  
16 accordance with regulations prescribed by the Secretary  
17 of Defense for purposes of this section.

1           **Subtitle H—Other Matters**

2   **SEC. 591. AUTHORITY TO AWARD DAMAGED PERSONAL**  
3                   **PROTECTIVE EQUIPMENT TO MEMBERS SEP-**  
4                   **ARATING FROM THE ARMED FORCES AND**  
5                   **VETERANS AS MEMENTOS OF MILITARY**  
6                   **SERVICE.**

7           (a) IN GENERAL.—Chapter 152 of title 10, United  
8 States Code, is amended by adding at the end the fol-  
9 lowing new section:

10   **“§ 2568a. Damaged personal protective equipment:**  
11                   **award to members separating from the**  
12                   **armed forces and veterans**

13           “The Secretary of a military department may award  
14 to a member of the armed forces under the jurisdiction  
15 of the Secretary who is separating from the armed forces,  
16 and to any veteran formerly under the jurisdiction of the  
17 Secretary, demilitarized personal protective equipment  
18 (PPE) of the member or veteran that was damaged in  
19 combat or otherwise during the deployment of the member  
20 or veteran. The award of equipment under this section  
21 shall be without cost to the member or veteran con-  
22 cerned.”.

23           (b) CLERICAL AMENDMENT.—The table of sections  
24 at the beginning of chapter 152 of such title is amended  
25 by adding at the end the following new item:

“2568a. Damaged personal protective equipment: award to members separating from the armed forces and veterans.”.

1 **SEC. 592. STANDARDIZATION OF FREQUENCY OF ACADEMY**  
 2 **VISITS OF THE AIR FORCE ACADEMY BOARD**  
 3 **OF VISITORS WITH ACADEMY VISITS OF**  
 4 **BOARDS OF OTHER MILITARY SERVICE ACAD-**  
 5 **EMIES.**

6 Section 9355 of title 10, United States Code, is  
 7 amended by striking subsection (d) and inserting the fol-  
 8 lowing new subsection:

9 “(d) The Board shall visit the Academy annually.  
 10 With the approval of the Secretary of the Air Force, the  
 11 Board or its members may make other visits to the Acad-  
 12 emy in connection with the duties of the Board or to con-  
 13 sult with the Superintendent of the Academy. Board mem-  
 14 bers shall have access to the Academy grounds and the  
 15 cadets, faculty, staff, and other personnel of the Academy  
 16 for the purposes of the duties of the Board.”.

17 **SEC. 593. REDESIGNATION OF THE COMMANDANT OF THE**  
 18 **UNITED STATES AIR FORCE INSTITUTE OF**  
 19 **TECHNOLOGY AS THE PRESIDENT OF THE**  
 20 **UNITED STATES AIR FORCE INSTITUTE OF**  
 21 **TECHNOLOGY.**

22 (a) REDESIGNATION.—Section 9314b(a) of title 10,  
 23 United States Code, is amended—

1 (1) in subsection heading, by striking “COM-  
2 MANDANT” and inserting “PRESIDENT”;

3 (2) by striking “Commandant” each place it ap-  
4 pears and inserting “President”; and

5 (3) in the heading of paragraph (3), by striking  
6 “COMMANDANT” and inserting “PRESIDENT”.

7 (b) REFERENCES.—Any reference in any law, regula-  
8 tion, map, document, paper, or other record of the United  
9 States to the Commandant of the United States Air Force  
10 Institute of Technology shall be deemed to be a reference  
11 to the President of the United States Air Force Institute  
12 of Technology.

13 **SEC. 594. LIMITATION ON JUSTIFICATIONS ENTERED BY**  
14 **MILITARY RECRUITERS FOR ENLISTMENT OR**  
15 **ACCESSION OF INDIVIDUALS INTO THE**  
16 **ARMED FORCES.**

17 (a) IN GENERAL.—In any case in which a database  
18 or system maintained by an Armed Force regarding the  
19 reasons why individuals elect to enlist or access into the  
20 Armed Force provides for military recruiters to select  
21 among pre-specified options for reasons for such election,  
22 military recruiters entering data into such database or sys-  
23 tem may select only among such pre-specified options as  
24 reasons for the enlistment or accession of any particular  
25 individual.

1 (b) **MILITARY RECRUITER DEFINED.**—In this sec-  
2 tion, the term “military recruiter” means a person who  
3 as the duty to recruit persons into the Armed Forces for  
4 military service.

5 **SEC. 595. NATIONAL COMMISSION ON MILITARY, NATIONAL,**  
6 **AND PUBLIC SERVICE MATTERS.**

7 (a) **DEFINITIONS.**—Section 551(c) of the National  
8 Defense Authorization Act for Fiscal Year 2017 (Public  
9 Law 114–328; 130 Stat. 2130) is amended—

10 (1) in paragraph (1), by inserting after “United  
11 States Code)” the following: “or active status (as  
12 that term is defined in subsection (d)(4) of such sec-  
13 tion)”;

14 (2) in paragraph (2)—

15 (A) by striking “‘national service’” and  
16 inserting “‘public service’”; and

17 (B) by striking “or State Government”  
18 and inserting “, State, Tribal, or local govern-  
19 ment”;

20 (3) in paragraph (3)—

21 (A) by striking “‘public service’” and in-  
22 serting “‘national service’”; and

23 (B) by striking “employment” and insert-  
24 ing “participation”; and

1 (4) by adding at the end the following new  
2 paragraph:

3 “(4) The term ‘establishment date’ means Sep-  
4 tember 19, 2017.”.

5 (b) EXCEPTION TO PAPERWORK REDUCTION ACT.—  
6 Section 555(e) of that Act (130 Stat. 2134) is amended  
7 by adding at the end the following new paragraph:

8 “(4) PAPERWORK REDUCTION ACT.—For pur-  
9 poses of developing its recommendations, the infor-  
10 mation collection of the Commission may be treated  
11 as a pilot project under section 3505(a) of title 44,  
12 United States Code. In addition, the Commission  
13 shall not be subject to the requirements of section  
14 3506(e)(2)(A) of such title.”.

15 **SEC. 596. BURIAL OF UNCLAIMED REMAINS OF INMATES AT**  
16 **THE UNITED STATES DISCIPLINARY BAR-**  
17 **RACKS CEMETERY, FORT LEAVENWORTH,**  
18 **KANSAS.**

19 Section 985 of title 10, United States Code, is  
20 amended—

21 (1) in subsection (b), by striking “A person who  
22 is ineligible” in the matter preceding paragraph (1)  
23 and inserting “Except as provided in subsection (c),  
24 a person who is ineligible”;

1           (2) by redesignating subsection (c) as sub-  
2           section (d); and

3           (3) by inserting after subsection (b) the fol-  
4           lowing new subsection (c):

5           “(c) UNCLAIMED REMAINS OF MILITARY PRIS-  
6           ONERS.—Subsection (b) shall not preclude the burial at  
7           the United States Disciplinary Barracks Cemetery at Fort  
8           Leavenworth, Kansas, of a military prisoner, including a  
9           military prisoner who is a person described in section  
10          2411(b) of title 38, who dies while in custody of a military  
11          department and whose remains are not claimed by the per-  
12          son authorized to direct disposition of the remains or by  
13          other persons legally authorized to dispose of the re-  
14          mains.”.

15   **SEC. 597. SPACE-AVAILABLE TRAVEL ON DEPARTMENT OF**  
16                           **DEFENSE AIRCRAFT FOR VETERANS WITH**  
17                           **SERVICE-CONNECTED DISABILITIES RATED**  
18                           **AS TOTAL.**

19          (a) IN GENERAL.—Subsection (c) of section 2641b  
20          of title 10, United States Code, is amended—

21               (1) by redesignating paragraphs (4) and (5) as  
22               paragraphs (5) and (6), respectively; and

23               (2) by inserting after paragraph (3) the fol-  
24               lowing new paragraph (4):

1           “(4) Subject to subsection (f), veterans with a  
2           permanent service-connected disability rated as  
3           total.”.

4           (b) CONDITIONS AND LIMITATIONS.—Such section is  
5 further amended—

6           (1) by redesignating subsection (f) as sub-  
7           section (g); and

8           (2) by inserting after subsection (e) the fol-  
9           lowing new subsection (f):

10          “(f) VETERANS WITH SERVICE-CONNECTED DIS-  
11 ABILITIES RATED AS TOTAL.—(1) Travel may not be pro-  
12 vided under this section to a veteran eligible for travel pur-  
13 suant to subsection (c)(4) in priority over any member eli-  
14 gible for travel under subsection (c)(1) or any dependent  
15 of such a member eligible for travel under this section.

16          “(2) The authority in subsection (c)(4) may not be  
17 construed as affecting or in any way imposing on the De-  
18 partment of Defense, any armed force, or any commercial  
19 company with which they contract an obligation or expect-  
20 ation that they will retrofit or alter, in any way, military  
21 aircraft or commercial aircraft, or related equipment or  
22 facilities, used or leased by the Department or such armed  
23 force to accommodate passengers provided travel under  
24 such authority on account of disability.



1       “(3) The authority in subsection (c)(4) may not be  
2 construed as preempting the authority of a flight com-  
3 mander to determine who boards the aircraft and any  
4 other matters in connection with safe operation of the air-  
5 craft.”.

6       **TITLE VI—COMPENSATION AND**  
7       **OTHER PERSONNEL BENEFITS**  
8       **Subtitle A—Pay and Allowances**

9       **SEC. 601. FISCAL YEAR 2019 INCREASE IN MILITARY BASIC**  
10   **PAY.**

11       (a) **WAIVER OF SECTION 1009 ADJUSTMENT.**—The  
12 adjustment to become effective during fiscal year 2019 re-  
13 quired by section 1009 of title 37, United States Code,  
14 in the rates of monthly basic pay authorized members of  
15 the uniformed services shall not be made.

16       (b) **INCREASE IN BASIC PAY.**—Effective on January  
17 1, 2019, the rates of monthly basic pay for members of  
18 the uniformed services are increased by 2.6 percent.

19       **SEC. 602. REPEAL OF AUTHORITY FOR PAYMENT OF PER-**  
20   **SONAL MONEY ALLOWANCES TO NAVY OFFI-**  
21   **CERS SERVING IN CERTAIN POSITIONS.**

22       (a) **REPEAL.**—Section 414 of title 37, United States  
23 Code, is amended—

24   (1) by striking subsection (b); and

1           (2) by redesignating subsection (c) as sub-  
2           section (b).

3           (b) **EFFECTIVE DATE.**—The amendments made by  
4           subsection (a) shall take effect on December 31, 2018, and  
5           shall apply with respect to personal money allowances pay-  
6           able under section 414 of title 37, United States Code,  
7           for years beginning after that date.

8           **SEC. 603. DEPARTMENT OF DEFENSE PROPOSAL FOR A PAY**  
9                           **TABLE FOR MEMBERS OF THE ARMED**  
10                          **FORCES USING STEPS IN GRADE BASED ON**  
11                          **TIME IN GRADE RATHER THAN TIME IN SERV-**  
12                          **ICE.**

13           (a) **PROPOSAL REQUIRED.**—Not later than 120 days  
14           after the date of the enactment of this Act, the Secretary  
15           of Defense shall submit to the congressional defense com-  
16           mittees a report setting forth a proposal for a pay table  
17           for members of the Armed Forces that uses steps in grade  
18           for each pay grade based on time of service within such  
19           pay grade rather than on time of service in the Armed  
20           Forces as a whole.

21           (b) **COMPTROLLER GENERAL ASSESSMENT.**—Not  
22           later than April 1, 2019, the Comptroller General of the  
23           United States shall submit to the congressional defense  
24           committees a report setting forth an assessment by the  
25           Comptroller General of the proposed pay table required

1 pursuant to subsection (a), including an assessment of the  
2 effects of using the proposed pay table, rather than the  
3 current pay table for members of the Armed Forces, on  
4 recruitment and retention of members of the Armed  
5 Forces as a whole and on recruitment and retention of  
6 members of the Armed Forces with particular sets of skills  
7 (including cyber and other technical skills).

8 **SEC. 604. FINANCIAL SUPPORT FOR LESSORS UNDER THE**  
9 **MILITARY HOUSING PRIVATIZATION INITIA-**  
10 **TIVE DURING 2019.**

11 (a) **SUPPORT AUTHORIZED.**—Subject to subsection  
12 (c), for each month during 2019, the Secretary of Defense  
13 may pay to a lessor of covered housing up to 2 percent  
14 of the amount calculated under section 403(b)(3)(A)(i) of  
15 title 37, United States Code, for the area in which the  
16 covered housing exists for each member to whom such les-  
17 sor leases covered housing for such month.

18 (b) **COVERED HOUSING.**—In this section, the term  
19 “covered housing” means a unit of housing—

20 (1) acquired or constructed under the alter-  
21 native authority of subchapter IV of chapter 169 of  
22 title 10, United States Code (known as the Military  
23 Housing Privatization Initiative);

24 (2) that is leased to a member of a uniformed  
25 service who resides in such unit; and

1           (3) for which the lessor charges such member  
2           rent that equals or exceeds the amount calculated  
3           under section 403(b)(3)(A) of title 37, United States  
4           Code.

5           (c) SUPPORT CONTINGENT ON NOTICE TO CON-  
6 GRESS.—

7           (1) IN GENERAL.—The Secretary may not  
8           make payments to a lessor for particular covered  
9           housing in 2019 authorized by subsection (a) until  
10          the Secretary submits to the Committees on Armed  
11          Services of the Senate and the House of Representa-  
12          tives a notice on such payments.

13          (2) ELEMENTS.—The notice on payments to a  
14          lessor for particular covered housing in 2019 for  
15          purposes of paragraph (1) shall include the fol-  
16          lowing:

17                  (A) A documented request from the lessor  
18                  for additional funding in connection with such  
19                  housing and endorsed by the commander of the  
20                  military installation concerned.

21                  (B) A description of the formula to be  
22                  used by the Secretary to calculate the amount  
23                  of such payments.

1 (C) A description of the current financial  
2 condition of the lessor in connection with such  
3 housing, including the following:

4 (i) The current debt coverage ratio of  
5 the lessor for such housing.

6 (ii) An assessment of the lessor's abil-  
7 ity to fund future sustainment costs for  
8 such housing in the absence of payments  
9 as described in subsection (a).

10 (iii) An assessment of whether any  
11 earnings for the lessor from other covered  
12 housing, if any, can offset predicted short-  
13 falls in funding for such housing.

14 (D) An assessment of the effects, if any, of  
15 recent reductions in basic allowance for housing  
16 on the financial viability of such housing for the  
17 lessor.

18 (E) A plan to ensure the long-term finan-  
19 cial stability of such housing.

20 (F) A recommendation whether the con-  
21 tract between the lessor and government for  
22 such housing area should be retained without  
23 modification, or modified, to ensure long-term  
24 financial viability of such housing.

1 **SEC. 605. MODIFICATION OF AUTHORITY OF PRESIDENT TO**  
2 **DETERMINE ALTERNATIVE PAY ADJUSTMENT**  
3 **IN ANNUAL BASIC PAY OF MEMBERS OF THE**  
4 **UNIFORMED SERVICES.**

5 (a) **MODIFICATION.**—Section 1009(e) of title 37,  
6 United States Code, is amended—

7 (1) in paragraph (1), by striking “or serious  
8 economic conditions affecting the general welfare”;

9 (2) by striking paragraph (2); and

10 (3) by redesignating paragraph (3) as para-  
11 graph (2).

12 (b) **EFFECTIVE DATE.**—The amendments made by  
13 subsection (a) shall take effect on the date of the enact-  
14 ment of this Act, and—

15 (1) if the date of the enactment of this Act oc-  
16 curs before September 1 of a year, shall apply with  
17 respect to plans for alternative pay adjustments for  
18 any year beginning after such year; and

19 (2) if the date of the enactment of this Act oc-  
20 curs after August 31 of a year, shall apply with re-  
21 spect to plans for alternative pay adjustments for  
22 any year beginning after the year following such  
23 year.

1 **SEC. 606. ELIGIBILITY OF RESERVE COMPONENT MEMBERS**  
2 **FOR HIGH-DEPLOYMENT ALLOWANCE FOR**  
3 **LENGTHY OR NUMEROUS DEPLOYMENTS AND**  
4 **FREQUENT MOBILIZATIONS.**

5 Section 436(a)(2)(C)(ii) of title 37, United States  
6 Code, is amended by inserting after “under” the first  
7 place it appears the following: “section 12304b of title 10  
8 or”.

9 **SEC. 607. ELIGIBILITY OF RESERVE COMPONENT MEMBERS**  
10 **FOR NONREDUCTION IN PAY WHILE SERVING**  
11 **IN THE UNIFORMED SERVICES OR NATIONAL**  
12 **GUARD.**

13 Section 5538(a) of title 5, United States Code, is  
14 amended in the matter preceding paragraph (1) by insert-  
15 ing after “under” the following: “section 12304b of title  
16 10 or”.

17 **SEC. 608. TEMPORARY ADJUSTMENT IN RATE OF BASIC AL-**  
18 **LOWANCE FOR HOUSING FOLLOWING IDENTI-**  
19 **FICATION OF SIGNIFICANT UNDERDETER-**  
20 **MINATION OF CIVILIAN HOUSING COSTS FOR**  
21 **HOUSING AREAS.**

22 Section 403(b) of title 37, United States Code, is  
23 amended by adding at the end the following new para-  
24 graph:

25 “(8)(A) Under the authority of this paragraph, the  
26 Secretary of Defense may prescribe a temporary adjust-

1 ment in the current rates of basic allowance for housing  
 2 for a military housing area or portion of a military housing  
 3 area if the Secretary determines that the actual costs of  
 4 adequate housing for civilians in that military housing  
 5 area or portion thereof differ from such current rates of  
 6 basic allowance for housing by an amount in excess of 20  
 7 percent of such current rates of basic allowance for hous-  
 8 ing.

9 “(B) Any temporary increase in rates of basic allow-  
 10 ance for housing under this paragraph shall remain in ef-  
 11 fect only until the next annual adjustment in rates of basic  
 12 allowance for housing under this subsection by law.

13 “(C) This paragraph shall cease to be effective on De-  
 14 cember 31, 2019.”.

## 15 **Subtitle B—Bonuses and Special** 16 **and Incentive Pays**

### 17 **SEC. 611. ONE-YEAR EXTENSION OF CERTAIN EXPIRING** 18 **BONUS AND SPECIAL PAY AUTHORITIES.**

19 (a) AUTHORITIES RELATING TO TITLE 37 CONSOLI-  
 20 DATED SPECIAL PAY, INCENTIVE PAY, AND BONUS AU-  
 21 THORITIES.—The following sections of title 37, United  
 22 States Code, are amended by striking “December 31,  
 23 2018” and inserting “December 31, 2019”:

24 (1) Section 331(h), relating to general bonus  
 25 authority for enlisted members.



1           (2) Section 332(g), relating to general bonus  
2 authority for officers.

3           (3) Section 334(i), relating to special aviation  
4 incentive pay and bonus authorities for officers.

5           (4) Section 335(k), relating to special bonus  
6 and incentive pay authorities for officers in health  
7 professions.

8           (5) Section 336(g), relating to contracting  
9 bonus for cadets and midshipmen enrolled in the  
10 Senior Reserve Officers' Training Corps.

11          (6) Section 351(h), relating to hazardous duty  
12 pay.

13          (7) Section 352(g), relating to assignment pay  
14 or special duty pay.

15          (8) Section 353(i), relating to skill incentive  
16 pay or proficiency bonus.

17          (9) Section 355(h), relating to retention incen-  
18 tives for members qualified in critical military skills  
19 or assigned to high priority units.

20       (b) AUTHORITIES RELATING TO RESERVE  
21 FORCES.—Section 910(g) of title 37, United States Code,  
22 relating to income replacement payments for reserve com-  
23 ponent members experiencing extended and frequent mo-  
24 bilization for active duty service, is amended by striking

1 “December 31, 2018” and inserting “December 31,  
2 2019”.

3 (c) TITLE 10 AUTHORITIES RELATING TO HEALTH  
4 CARE PROFESSIONALS.—The following sections of title  
5 10, United States Code, are amended by striking “Decem-  
6 ber 31, 2018” and inserting “December 31, 2019”:

7 (1) Section 2130a(a)(1), relating to nurse offi-  
8 cer candidate accession program.

9 (2) Section 16302(d), relating to repayment of  
10 education loans for certain health professionals who  
11 serve in the Selected Reserve.

12 (d) AUTHORITIES RELATING TO NUCLEAR OFFI-  
13 CERS.—Section 333(i) of title 37, United States Code, is  
14 amended by striking “December 31, 2018” and inserting  
15 “December 31, 2019”.

16 (e) AUTHORITY TO PROVIDE TEMPORARY INCREASE  
17 IN RATES OF BASIC ALLOWANCE FOR HOUSING.—Section  
18 403(b)(7)(E) of title 37, United States Code, is amended  
19 by striking “December 31, 2018” and inserting “Decem-  
20 ber 31, 2019”.

1 **Subtitle C—Disability Pay, Retired**  
2 **Pay, and Survivor Benefits**

3 **SEC. 621. TECHNICAL CORRECTIONS IN CALCULATION AND**  
4 **PUBLICATION OF SPECIAL SURVIVOR INDEM-**  
5 **NITY ALLOWANCE COST OF LIVING ADJUST-**  
6 **MENTS.**

7 (a) MONTHS FOR WHICH ADJUSTMENT APPLICA-  
8 BLE.—Paragraph (2) of section 1450(m) of title 10,  
9 United States Code, is amended—

10 (1) in subparagraph (I), by striking “Decem-  
11 ber” and inserting “November”; and

12 (2) in subparagraph (J), by striking “for  
13 months during any calendar year after 2018” and  
14 inserting “for months after November 2018”.

15 (b) COST OF LIVING ADJUSTMENT.—Paragraph (6)  
16 of such section is amended—

17 (1) in the paragraph heading, by striking  
18 “AFTER 2018” and inserting “AFTER NOVEMBER  
19 2018”; and

20 (2) by striking subparagraphs (A) and (B) and  
21 inserting the following new subparagraphs:

22 “(A) IN GENERAL.—Whenever retired pay  
23 is increased for a month under section 1401a of  
24 this title (or any other provision of law), the  
25 amount of the allowance payable under para-

1 graph (1) for that month shall also be in-  
2 creased.

3 “(B) AMOUNT OF INCREASE.—With re-  
4 spect to an eligible survivor of a member of the  
5 uniformed services, the increase for a month  
6 shall be—

7 “(i) the amount payable pursuant to  
8 paragraph (2) for months during the pre-  
9 ceding 12-month period; plus

10 “(ii) an amount equal to a percentage  
11 of the amount determined pursuant to  
12 clause (i), which percentage is the percent-  
13 age by which the retired pay of the mem-  
14 ber would have increased for the month, as  
15 described in subparagraph (A), if the mem-  
16 ber was alive (and otherwise entitled to  
17 such pay).

18 “(C) ROUNDING DOWN.—The monthly  
19 amount of an allowance payable under this sub-  
20 section, if not a multiple of \$1, shall be rounded  
21 to the next lower multiple of \$1.

22 “(D) PUBLIC NOTICE ON AMOUNT OF AL-  
23 LOWANCE PAYABLE.—Whenever an increase in  
24 the amount of the allowance payable under  
25 paragraph (1) is made pursuant to this para-

1 graph, the Secretary of Defense shall publish  
2 the amount of the allowance so payable by rea-  
3 son of such increase, including the months for  
4 which payable.”.

5 (c) EFFECTIVE DATE.—The amendments made by  
6 this section shall take effect on December 1, 2018.

## 7 **Subtitle D—Other Matters**

### 8 **SEC. 631. RATES OF PER DIEM FOR LONG-TERM TEM-** 9 **PORARY DUTY ASSIGNMENTS.**

10 (a) REPORT ON COST-BENEFIT ANALYSIS OF NO-  
11 VEMBER 2014 CHANGE OF POLICY.—

12 (1) IN GENERAL.—Not later than 90 days after  
13 the date of the enactment of this Act, the Secretary  
14 of Defense shall submit to the Committees on Armed  
15 Services of the Senate and the House of Representa-  
16 tives a report setting forth an analysis, conducted by  
17 the Secretary for purposes of the report, of the costs  
18 and benefits of the change in policy of the Depart-  
19 ment of Defense on rates of per diem for long-term  
20 temporary duty assignments that took effect on No-  
21 vember 1, 2014. The study shall be consistent with  
22 the principles and requirements of Office of Manage-  
23 ment and Budget Circular A–94.

24 (2) ELEMENT ASSESSING COST-BENEFIT.—The  
25 report under paragraph (1) shall specify, in par-

1 ticular, whether or not the benefits of the change in  
2 policy described in that paragraph have outweighed  
3 and will continue to outweigh the costs of the change  
4 of policy.

5 (b) CONTINGENT REVERSION TO PRIOR POLICY.—

6 (1) LACK OF REPORT.—If the report required  
7 by subsection (a)(1) is not submitted to the commit-  
8 tees of Congress referred to in that subsection by  
9 the contingency date, effective as of the contingency  
10 date, the policy of the Department on rates of per  
11 diem for long-term temporary duty assignments  
12 shall be the policy as in effect as of October 31,  
13 2014.

14 (2) FINDING OF COSTS OUTWEIGHING BENE-  
15 FITS.—If the specification in the report as required  
16 by subsection (a)(2) is that the benefits of the  
17 change in policy described in subsection (a)(1) have  
18 not outweighed or will not continue to outweigh the  
19 costs of the change of policy, effective as of the date  
20 of the report, the policy of the Department on rates  
21 of per diem for long-term temporary duty assign-  
22 ments shall be the policy as in effect as of October  
23 31, 2014.

24 (3) CONTINGENCY DATE DEFINED.—In this  
25 subsection, the term “contingency date” means the

1 date that is 120 days after the date of the enact-  
2 ment of this Act.

3 **SEC. 632. PROHIBITION ON PER DIEM ALLOWANCE REDUC-**  
4 **TIONS BASED ON THE DURATION OF TEM-**  
5 **PORARY DUTY ASSIGNMENT OR CIVILIAN**  
6 **TRAVEL.**

7 (a) MEMBERS.—Section 474(d)(3) of title 37, United  
8 States Code, is amended by adding at the end the fol-  
9 lowing new sentence: “The Secretary of a military depart-  
10 ment shall not alter the amount of the per diem allowance,  
11 or the maximum amount of reimbursement, for a locality  
12 based on the duration of the temporary duty assignment  
13 in the locality of a member of the armed forces under the  
14 jurisdiction of the Secretary.”.

15 (b) CIVILIAN EMPLOYEES.—Section 5702(a)(2) of  
16 title 5, United States Code, is amended by adding at the  
17 end the following new sentence: “The Secretary of Defense  
18 shall not alter the amount of the per diem allowance, or  
19 the maximum amount of reimbursement, for a locality  
20 based on the duration of the travel in the locality of an  
21 employee of the Department.”.

22 (c) REPEALS.—

23 (1) EXISTING POLICY AND REGULATIONS.—The  
24 policy, and any regulations issued pursuant to such  
25 policy, implemented by the Secretary of Defense on

1 November 1, 2014, with respect to reductions in per  
2 diem allowances based on duration of temporary  
3 duty assignment or civilian travel shall have no force  
4 or effect.

5 (2) ATTEMPTED STATUTORY FIX.—Section 672  
6 of the National Defense Authorization Act for Fiscal  
7 Year 2017 (Public Law 114–328; 37 U.S.C. 474  
8 note; 130 Stat. 2178) is repealed.

9 **TITLE VII—HEALTH CARE**  
10 **PROVISIONS**  
11 **Subtitle A—TRICARE and Other**  
12 **Health Care Benefits**

13 **SEC. 701. CONSOLIDATION OF COST-SHARING REQUIRE-**  
14 **MENTS UNDER TRICARE SELECT AND**  
15 **TRICARE PRIME.**

16 (a) TRICARE SELECT.—

17 (1) IN GENERAL.—Section 1075 of title 10,  
18 United States Code, is amended—

19 (A) in subsection (c), by striking para-  
20 graphs (1) and (2) and inserting the following  
21 new paragraphs:

22 “(1) With respect to beneficiaries in the active-  
23 duty family member category or the retired category  
24 other than beneficiaries described in paragraph



1 (2)(B), the cost-sharing requirements shall be cal-  
2 culated pursuant to subsection (d)(1).

3 “(2)(A) With respect to beneficiaries described  
4 in subparagraph (B) in the active-duty family mem-  
5 ber category or the retired category, the cost-sharing  
6 requirements shall be calculated as if the beneficiary  
7 were enrolled in TRICARE Extra or TRICARE  
8 Standard as if TRICARE Extra or TRICARE  
9 Standard, as the case may be, were still being car-  
10 ried out by the Secretary.

11 “(B) Beneficiaries described in this subpara-  
12 graph are the following beneficiaries:

13 “(i) Retired members and the family mem-  
14 bers of such retired members covered by section  
15 1086(c)(1) of this title by reason of being re-  
16 tired under chapter 61 of this title or being a  
17 dependent of such a retired member.

18 “(ii) Survivors covered by section  
19 1086(c)(2) of this title.”;

20 (B) by striking subsection (e); and

21 (C) by redesignating subsections (f), (g),  
22 and (h) as subsections (e), (f), and (g), respec-  
23 tively.

24 (2) CONFORMING AMENDMENT.—Subsection  
25 (d)(2) of such section is amended by striking “, and

1 the amounts specified under paragraphs (1) and (2)  
2 of subsection (e),”.

3 (b) TRICARE PRIME.—Section 1075a(a) of title 10,  
4 United States Code, is amended—

5 (1) by striking paragraph (2) and inserting the  
6 following new paragraph:

7 “(2) With respect to beneficiaries in the active-  
8 duty family member category or the retired category  
9 (as described in section 1075(b)(1) of this title)  
10 other than beneficiaries described in paragraph  
11 (3)(B), the cost-sharing requirements shall be cal-  
12 culated pursuant to subsection (b)(1).”; and

13 (2) in paragraph (3), by striking subparagraph  
14 (B) and inserting the following new subparagraph:

15 “(B) Beneficiaries described in this subpara-  
16 graph are the following beneficiaries:

17 “(i) Retired members and the family mem-  
18 bers of such retired members covered by section  
19 1086(c)(1) of this title by reason of being re-  
20 tired under chapter 61 of this title or being a  
21 dependent of such a retired member.

22 “(ii) Survivors covered by section  
23 1086(c)(2) of this title.”.

24 (c) EFFECTIVE DATE.—The amendments made by  
25 this section shall take effect on January 1, 2019.

1 **SEC. 702. ADMINISTRATION OF TRICARE DENTAL PLANS**  
2 **THROUGH THE FEDERAL EMPLOYEES DEN-**  
3 **TAL INSURANCE PROGRAM.**

4 (a) ELIGIBILITY OF ADDITIONAL BENEFICIARIES  
5 UNDER THE FEDERAL EMPLOYEES DENTAL INSURANCE  
6 PROGRAM.—Section 8951(8) of title 5, United States  
7 Code, is amended by striking “1076c” and inserting  
8 “1076a or 1076c”.

9 (b) ADMINISTRATION OF TRICARE DENTAL  
10 PLANS.—Subsection (b) of section 1076a of title 10,  
11 United States Code, is amended to read as follows:

12 “(b) ADMINISTRATION OF PLANS.—The plans estab-  
13 lished under this section shall be administered by the Sec-  
14 retary of Defense through an agreement with the Director  
15 of the Office of Personnel Management to allow persons  
16 described in subsection (a) to enroll in an insurance plan  
17 under chapter 89A of title 5, in accordance with terms  
18 prescribed by the Secretary, including terms, to the extent  
19 practical, as defined by the Director through regulation,  
20 consistent with subsection (d) and, to the extent prac-  
21 ticable in relation to such chapter 89A, other provisions  
22 of this section.”.

23 (c) APPLICABILITY.—The amendments made by this  
24 section shall apply with respect to the first contract year  
25 for chapter 89A of title 5, United States Code, that begins  
26 on or after January 1, 2022.

1 (d) TRANSITION.—To ensure the successful transi-  
2 tion of programs, in carrying out the TRICARE dental  
3 program under section 1076a of title 10, United States  
4 Code, the Secretary of Defense shall ensure that the con-  
5 tractor for such program provides claims information  
6 under such program to carriers providing dental coverage  
7 under chapter 89A of title 5, United States Code.

8 **SEC. 703. CONTRACEPTION COVERAGE PARITY UNDER THE**  
9 **TRICARE PROGRAM.**

10 (a) IN GENERAL.—Section 1074d(b)(3) of title 10,  
11 United States Code, is amended by inserting before the  
12 period at the end the following: “(including all methods  
13 of contraception approved by the Food and Drug Adminis-  
14 tration, contraceptive care (including with respect to inser-  
15 tion, removal, and follow up), sterilization procedures, and  
16 patient education and counseling in connection there-  
17 with)”.

18 (b) PROHIBITION ON COST-SHARING FOR CERTAIN  
19 SERVICES.—

20 (1) TRICARE SELECT.—Section 1075(c) of  
21 such title is amended by adding at the end the fol-  
22 lowing new paragraph:

23 “(4) For all beneficiaries under this section,  
24 there is no cost-sharing for any method of contra-  
25 ception provided by a network provider.”.

1           (2) TRICARE PRIME.—Section 1075a(b) of  
2           such title is amended by adding at the end the fol-  
3           lowing new paragraph:

4           “(5) For all beneficiaries under this section, there is  
5           no cost-sharing for any method of contraception provided  
6           by a network provider.”.

7           (3) PHARMACY BENEFITS PROGRAM.—Section  
8           1074g(a)(6) of such title is amended by adding at  
9           the end the following new subparagraph:

10          “(D) Notwithstanding subparagraphs (A) and (B),  
11          there is no cost-sharing for any prescription contraceptive  
12          on the uniform formulary provided by a network retail  
13          pharmacy provider or the mail order pharmacy program.”.

14          (c) EFFECTIVE DATE.—The amendments made by  
15          this section shall take effect on January 1, 2020.

16       **SEC. 704. PILOT PROGRAM ON OPIOID MANAGEMENT IN**  
17                               **THE MILITARY HEALTH SYSTEM.**

18          (a) PILOT PROGRAM.—

19               (1) IN GENERAL.—Beginning not later than  
20               180 days after the date of the enactment of this Act,  
21               the Director of the Defense Health Agency shall im-  
22               plement a comprehensive pilot program to minimize  
23               early opioid exposure in beneficiaries under the  
24               TRICARE program and to prevent progression to  
25               misuse or abuse of opioid medications.

1           (2) OPIOID SAFETY ACROSS CONTINUUM OF  
2 CARE.—The pilot program shall include elements to  
3 maximize opioid safety across the entire continuum  
4 of care consisting of patient, physician or dentist,  
5 and pharmacist.

6           (b) ELEMENTS OF PILOT PROGRAM.—The pilot pro-  
7 gram shall include the following:

8           (1) Identification of potential opioid misuse or  
9 abuse in pharmacies of military treatment facilities,  
10 retail network pharmacies, and the home delivery  
11 pharmacy and transmission of alerts regarding such  
12 potential mistreatment to opioid prescribing physi-  
13 cians or dentists.

14           (2) Direct engagement with, education for, and  
15 management of beneficiaries under the TRICARE  
16 program to help such beneficiaries avoid opioid mis-  
17 use or abuse.

18           (3) Provision of in-home disposal kits to deacti-  
19 vate excess opioids and prevent unauthorized use.

20           (4) Proactive outreach by specialist pharmacists  
21 to such beneficiaries when identifying potential  
22 opioid misuse or abuse.

23           (5) Monitoring of such beneficiaries through the  
24 use of predictive analytics to identify the potential

1 for abuse and addiction before such beneficiaries  
2 begin an opioid prescription.

3 (6) Detection of fraud, waste, and abuse.

4 (c) REPORT ON PILOT PROGRAM.—

5 (1) IN GENERAL.—Not later than 180 days be-  
6 fore completion of the pilot program, the Secretary  
7 of Defense shall submit to the Committees on Armed  
8 Services of the Senate and the House of Representa-  
9 tives a report that describes the conduct of the pilot  
10 program.

11 (2) ELEMENTS.—The report required by para-  
12 graph (1) shall include the following:

13 (A) A description of the pilot program, in-  
14 cluding outcome measures developed to deter-  
15 mine the overall effectiveness of the pilot pro-  
16 gram.

17 (B) A description of the ability of the pilot  
18 program to identify opioid misuse and abuse  
19 among beneficiaries under the TRICARE pro-  
20 gram in each pharmacy venue of the pharmacy  
21 program of the military health system.

22 (C) A description of the impact of the use  
23 of predictive analytics to monitor such bene-  
24 ficiaries to identify the potential for opioid

1 abuse and addiction before such beneficiaries  
2 begin an opioid prescription.

3 (D) A description of any reduction in the  
4 misuse or abuse of opioid medications among  
5 such beneficiaries as a result of the pilot pro-  
6 gram.

7 (d) DURATION.—

8 (1) IN GENERAL.—Except as provided in para-  
9 graph (2), the Director shall carry out the pilot pro-  
10 gram for a period of not more than three years.

11 (2) EXPANSION.—The Director may implement  
12 the pilot program on a permanent basis if the Direc-  
13 tor determines that the pilot program successfully  
14 reduces early opioid exposure in beneficiaries under  
15 the TRICARE program and prevents progression to  
16 misuse or abuse of opioid medications.

17 (e) TRICARE PROGRAM DEFINED.—In this section,  
18 the term “TRICARE program” has the meaning given  
19 that term in section 1072 of title 10, United States Code.

20 **SEC. 705. PILOT PROGRAM ON TREATMENT OF MEMBERS**  
21 **OF THE ARMED FORCES FOR POST-TRAU-**  
22 **MATIC STRESS DISORDER RELATED TO MILI-**  
23 **TARY SEXUAL TRAUMA.**

24 (a) IN GENERAL.—The Secretary of Defense may  
25 carry out a pilot program to assess the feasibility and ad-



1 visibility of using intensive outpatient programs to treat  
2 members of the Armed Forces suffering from post-trau-  
3 matic stress disorder resulting from military sexual trau-  
4 ma, including treatment for substance abuse, depression,  
5 and other issues related to such conditions.

6 (b) DISCHARGE THROUGH PARTNERSHIPS.—The  
7 pilot program authorized by subsection (a) shall be carried  
8 out through partnerships with public, private, and non-  
9 profit health care organizations and institutions that—

10 (1) provide health care to members of the  
11 Armed Forces;

12 (2) provide evidence-based treatment for psy-  
13 chological and neurological conditions that are com-  
14 mon among members of the Armed Forces, includ-  
15 ing post-traumatic stress disorder, traumatic brain  
16 injury, substance abuse, and depression;

17 (3) provide health care, support, and other ben-  
18 efits to family members of members of the Armed  
19 Forces; and

20 (4) provide health care under the TRICARE  
21 program (as that term is defined in section 1072 of  
22 title 10, United States Code).

23 (c) PROGRAM ACTIVITIES.—Each organization or in-  
24 stitution that participates in a partnership under the pilot  
25 program authorized by subsection (a) shall—

1           (1) carry out intensive outpatient programs of  
2 short duration to treat members of the Armed  
3 Forces suffering from post-traumatic stress disorder  
4 resulting from military sexual trauma, including  
5 treatment for substance abuse, depression, and other  
6 issues related to such conditions;

7           (2) use evidence-based and evidence-informed  
8 treatment strategies in carrying out such programs;

9           (3) share clinical and outreach best practices  
10 with other organizations and institutions partici-  
11 pating in the pilot program; and

12           (4) annually assess outcomes for members of  
13 the Armed Forces individually and among the orga-  
14 nizations and institutions participating in the pilot  
15 program with respect to the treatment of conditions  
16 described in paragraph (1).

17       (d) **EVALUATION METRICS.**—Before commencement  
18 of the pilot program, the Secretary shall establish metrics  
19 to be used to evaluate the effectiveness of the pilot pro-  
20 gram and the activities under the pilot program.

21       (e) **REPORTS.**—

22           (1) **INITIAL REPORT.**—Not later than 180 days  
23 after the date of the enactment of this Act, the Sec-  
24 retary shall submit to the Committees on Armed  
25 Services of the Senate and the House of Representa-

1 tives a report on the pilot program authorized by  
2 subsection (a). The report shall include a description  
3 of the pilot program and such other matters on the  
4 pilot program as the Secretary considers appro-  
5 priate.

6 (2) FINAL REPORT.—Not later than 180 days  
7 after the cessation of the pilot program under sub-  
8 section (f), the Secretary shall submit to the com-  
9 mittees of Congress referred to in paragraph (1) a  
10 report on the pilot program. The report shall include  
11 the following:

12 (A) A description of the pilot program, in-  
13 cluding the partnership under the pilot program  
14 as described in subsection (b).

15 (B) An assessment of the effectiveness of  
16 the pilot program and the activities under the  
17 pilot program.

18 (C) Such recommendations for legislative  
19 or administrative action as the Secretary con-  
20 sidered appropriate in light of the pilot program,  
21 including recommendations for extension or  
22 making permanent the authority for the pilot  
23 program.

24 (f) TERMINATION.—The Secretary may not carry out  
25 the pilot program authorized by subsection (a) after the

1 date that is three years after the date of the enactment  
2 of this Act.

3 **Subtitle B—Health Care**  
4 **Administration**

5 **SEC. 711. IMPROVEMENT OF ADMINISTRATION OF DE-**  
6 **FENSE HEALTH AGENCY AND MILITARY MED-**  
7 **ICAL TREATMENT FACILITIES.**

8 (a) IN GENERAL.—Subsection (a) of section 1073c  
9 of title 10, United States Code, is amended—

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

12 (2) by inserting after paragraph (1) the fol-  
13 lowing new paragraph (2):

14 “(2) In addition to the responsibilities set forth in  
15 paragraph (1), the Director of the Defense Health Agency  
16 shall have the authority—

17 “(A) to direct, control, and serve as the pri-  
18 mary rater of the performance of commanders or di-  
19 rectors of military medical treatment facilities;

20 “(B) to direct and control any intermediary or-  
21 ganizations between the Defense Health Agency and  
22 military medical treatment facilities;

23 “(C) to determine the scope of medical care  
24 provided at each military medical treatment facility  
25 to meet the military personnel readiness require-

1       ments of the senior military operational commander  
2       of the military installation;

3             “(D) to determine total workforce requirements  
4       at each military medical treatment facility;

5             “(E) to direct joint manning at military medical  
6       treatment facilities and intermediary organizations;

7             “(F) to establish training and skills  
8       sustainment venues for military medical personnel;

9             “(G) to address personnel staffing shortages at  
10       military medical treatment facilities; and

11            “(H) to approve service nominations for com-  
12       manders or directors of military medical treatment  
13       facilities.”.

14       (b) COMBAT SUPPORT RESPONSIBILITIES.—Sub-  
15       section (d)(2) of such section is amended by adding at the  
16       end the following new subparagraph:

17            “(C) Ensuring that the Defense Health Agency  
18       meets the military personnel readiness requirements  
19       of the senior military operational commanders of the  
20       military installations.”.

1 **SEC. 712. ORGANIZATIONAL FRAMEWORK OF THE MILI-**  
2 **TARY HEALTHCARE SYSTEM TO SUPPORT**  
3 **MEDICAL REQUIREMENTS OF THE COMBAT-**  
4 **ANT COMMANDS.**

5 (a) ORGANIZATIONAL FRAMEWORK REQUIRED.—The  
6 Secretary of Defense shall, acting through the Director of  
7 the Defense Health Agency, implement an organizational  
8 framework for the military healthcare system that most  
9 effectively implements chapter 55 of title 10, United  
10 States Code, in a manner that maximizes interoperability  
11 and fully integrates medical capabilities of the Armed  
12 Forces in order to enhance joint military medical oper-  
13 ations in support of requirements of the combatant com-  
14 mands.

15 (b) IMPLEMENTATION.—

16 (1) COMMENCEMENT.—Implementation of the  
17 organizational framework required by subsection (a)  
18 shall commence not later than October 1, 2018.

19 (2) PHASED IMPLEMENTATION.—Implementa-  
20 tion of the organizational framework may occur in  
21 phases, as considered appropriate by the Director.

22 (3) COMPLETION.—The organizational frame-  
23 work shall be fully implemented by not later than  
24 October 1, 2020.

25 (4) COMPLIANCE WITH CERTAIN REQUIRE-  
26 MENTS.—The organizational framework, as imple-

1       mented, shall comply with all requirements of sec-  
2       tion 1073e of title 10, United States Code, except  
3       for the October 1, 2018, implementation date speci-  
4       fied in such section.

5       (c) HEALTH-READINESS REGIONS IN CONUS RE-  
6       QUIRED.—The organizational framework required by sub-  
7       section (a) shall meet the requirements as follows:

8               (1) HEALTH-READINESS REGIONS.—There shall  
9       be not more than three health-readiness regions es-  
10      tablished in the continental United States.

11             (2) LEADER.—Each region under paragraph  
12      (1) shall be led by a commander or director who is  
13      a member of the Armed Forces serving in a grade  
14      not higher than major general or rear admiral and  
15      who shall be—

16             (A) selected by the Director from among  
17      members of the Armed Forces recommended by  
18      the military departments for service in such po-  
19      sition; and

20             (B) under the authority, direction, and  
21      control of the Director while serving in such po-  
22      sition.

23             (3) REGIONAL HUBS.—

24             (A) IN GENERAL.—Each region under  
25      paragraph (1) shall include a major military

1 medical center designated by the Director to  
2 serve as the regional hub for the provision of  
3 specialized medical services in such region.

4 (B) CAPABILITIES.—A major medical cen-  
5 ter may not be designated as a regional hub un-  
6 less the center—

7 (i) includes one or more large grad-  
8 uate medical education training platforms;  
9 and

10 (ii) provides, at a minimum, role 4  
11 medical care.

12 (C) LOCATION.—Any major medical center  
13 designated as a regional hub of a region shall  
14 be geographically located so as to maximize the  
15 support provided by uniformed medical re-  
16 sources in the region to the combatant com-  
17 mands. In designating major medical centers as  
18 a regional hub, the Director shall give consider-  
19 ation to the collocation of such centers with  
20 major aerial debarkation points of patients in  
21 the medical evacuation system of the United  
22 States Transportation Command.

23 (D) MAJOR HEALTH CARE DELIVERY  
24 PLATFORM.—A major medical center designated  
25 as a regional hub of a region shall serve as the



1 major health care delivery platform for the pro-  
2 vision of complex specialized medical care in the  
3 region, whether through patient referrals from  
4 other military medical treatment facilities in the  
5 region or through referrals from other regions  
6 in the case of certain specialized medical serv-  
7 ices (such as treatment for severe burns) which  
8 may only be available at a military medical  
9 treatment facility within the region.

10 (4) ADDITIONAL MILITARY MEDICAL CEN-  
11 TERS.—Consistent with section 1073d of title 10,  
12 United States Code, each region under paragraph  
13 (1) may include one or more additional military  
14 medical centers, whether established or maintained  
15 by the Director for purposes of this section, in order  
16 to serve locations in the region, if any, as follows:

17 (A) Locations with large beneficiary popu-  
18 lations.

19 (B) Locations that serve as the primary  
20 readiness platforms of the Armed Forces.

21 (5) PATIENT REFERRALS AND COORDINA-  
22 TION.—The Director shall ensure effective and effi-  
23 cient medical care referrals and coordination among  
24 military medical treatment facilities in each region  
25 under paragraph (1), and among local or regional

1 high-performing health systems in the region,  
2 through local or regional partnerships with institu-  
3 tional or individual civilian providers.

4 (d) HEALTH-READINESS REGIONS OCONUS RE-  
5 QUIRED.—The organizational framework required by sub-  
6 section (a) shall meet the requirements as follows:

7 (1) HEALTH-READINESS REGIONS.—There shall  
8 be established not more than two health-readiness  
9 regions outside the continental United States—

10 (A) to enhance joint military medical oper-  
11 ations in support of the requirements of the  
12 combatant commands in such region or regions,  
13 with a specific focus on existing and future con-  
14 tingency and operational plans;

15 (B) to ensure the provision of high-quality  
16 healthcare services to beneficiaries; and

17 (C) to improve the interoperability of  
18 healthcare delivery systems in regions (whether  
19 under this subsection, subsection (c), or both).

20 (2) PATIENT REFERRALS AND COORDINA-  
21 TION.—The Director shall ensure effective and effi-  
22 cient medical care referrals and coordination among  
23 military medical treatment facilities in any region  
24 under paragraph (1), and among local or regional  
25 high-performing health systems in such region.

1 (e) PLANNING AND COORDINATION.—

2 (1) SUSTAINMENT OF CLINICAL COMPETENCIES  
3 AND STAFFING.—The Director shall—

4 (A) provide in each health-readiness region  
5 under this section healthcare delivery venues for  
6 uniformed medical and dental personnel to ob-  
7 tain operational clinical competencies; and

8 (B) coordinate with the military depart-  
9 ments to ensure that staffing at military med-  
10 ical treatment facilities in each region supports  
11 readiness requirements for members of the  
12 Armed Forces and military medical personnel.

13 (2) OVERSIGHT AND ALLOCATION OF RE-  
14 SOURCES.—

15 (A) IN GENERAL.—The Director shall,  
16 consistent with section 193 of title 10, United  
17 States Code, coordinate with the Chairman of  
18 the Joint Chiefs of Staff, through the Joint  
19 Staff Surgeon, to conduct oversight and direct  
20 resources to support requirements related to  
21 readiness or operational medicine support that  
22 are validated by the Joint Staff.

23 (B) SUPPLY AND DEMAND FOR MEDICAL  
24 SERVICES.—Based on operational medical force  
25 readiness requirements of the combatant com-

1           mands validated by the Joint Staff, the Direc-  
2           tor shall—

3                   (i) validate supply and demand re-  
4                   quirements for medical and dental services  
5                   at each military medical treatment facility;

6                   (ii) in coordination with the oper-  
7                   ational medical force readiness organiza-  
8                   tions required by subsection (f)(1), provide  
9                   currency workload for uniformed medical  
10                  and dental personnel at each facility to  
11                  maintain skills proficiency; and

12                  (iii) if workload is insufficient to meet  
13                  requirements, identify alternative training  
14                  and clinical practice sites for uniformed  
15                  medical and dental personnel, and estab-  
16                  lish military-civilian training partnerships,  
17                  to provide such workload.

18           (f) OPERATIONAL MEDICAL FORCE READINESS OR-  
19           GANIZATIONS OF THE ARMED FORCES.—

20                   (1) ESTABLISHMENT.—Not later than October  
21                   1, 2019, the Secretary of Defense shall, acting  
22                   through the Secretary of the military department  
23                   concerned, establish in each military department an  
24                   operational medical force readiness organization in  
25                   accordance with this subsection.

1 (2) LEADER.—

2 (A) IN GENERAL.—Each operational med-  
3 ical force readiness organization established  
4 under paragraph (1) shall be led by the Sur-  
5 geon General of an Armed Force.

6 (B) CONSTRUCTION OF DUTIES.—The du-  
7 ties of a Surgeon General under this paragraph  
8 as leader of an operational medical force readi-  
9 ness organization are in addition to the duties  
10 of such Surgeon General under section 3036,  
11 5137, or 8036 of title 10, United States Code,  
12 as applicable.

13 (3) RESPONSIBILITIES.—The responsibilities of  
14 an operational medical force readiness organization  
15 are limited to the responsibilities as follows:

16 (A) To recruit, organize, train, and equip  
17 uniformed medical and dental personnel of the  
18 military department concerned.

19 (B) To assign uniformed medical and den-  
20 tal personnel of the military department con-  
21 cerned to military medical treatment facilities  
22 for training activities specific to such military  
23 department and for operational and training  
24 missions, during which assignment such per-  
25 sonnel shall be under the operational control of

1 the commander or director of the military med-  
2 ical treatment facility concerned, subject to the  
3 authority, direction, and control of the Director.

4 (C) To ensure the readiness for operational  
5 deployment of medical and dental personnel and  
6 deployable medical or dental teams or units of  
7 the Armed Force or Armed Forces concerned.

8 (D) To provide logistical support for oper-  
9 ational deployment of medical and dental per-  
10 sonnel and deployable medical or dental teams  
11 or units of the Armed Force or Armed Forces  
12 concerned.

13 (E) To oversee the mobilization and demo-  
14 bilization in connection with operational deploy-  
15 ment of medical and dental personnel of the  
16 Armed Force or Armed Forces concerned.

17 (F) To carry out operational medical and  
18 dental force development for the military de-  
19 partment concerned.

20 (G) In coordination with the Secretary  
21 concerned, to ensure that the operational med-  
22 ical force readiness organizations of the Armed  
23 Forces support the medical and dental readi-  
24 ness responsibilities of the Director and the  
25 Secretary concerned.

1           (4) MEDICAL FORCE REQUIREMENTS OF COM-  
2           BATANT COMMANDS.—

3           (A) IN GENERAL.—Each operational med-  
4           ical force readiness organization shall ensure  
5           that the uniformed medical and dental per-  
6           sonnel serving in the military department con-  
7           cerned receive training and clinical practice op-  
8           portunities necessary to ensure that such per-  
9           sonnel are capable of meeting the operational  
10          medical force requirements of the combatant  
11          commands applicable to such personnel. Such  
12          training and practice opportunities shall be pro-  
13          vided through programs and activities of the  
14          Defense Health Agency and by such other  
15          mechanisms as the Secretary shall designate for  
16          purposes of this paragraph.

17          (B) REQUIREMENTS.—The commanders of  
18          the combatant commands shall apprise oper-  
19          ational medical force readiness organizations of  
20          the operational medical force requirements of  
21          the combatant commands through the Joint  
22          Staff.

23          (5) NO COMMAND AUTHORITY.—An operational  
24          medical force readiness organization established

1 under paragraph (1) shall have no command author-  
2 ity.

3 (g) DISESTABLISHMENT OF SUPERSEDED MEDICAL  
4 ORGANIZATIONS.—

5 (1) IN GENERAL.—Not later than the date on  
6 which the Secretary of Defense establishes an oper-  
7 ational medical force readiness organization within a  
8 military department pursuant to subsection (f), the  
9 Secretary of Defense shall, acting through the Sec-  
10 retary of such military department concerned, dises-  
11 tablish the following:

12 (A) In the case of the Army, the Army  
13 Medical Command, and any associated subordi-  
14 nate command or organization.

15 (B) In the case of the Navy, the Bureau  
16 of Medicine and Surgery of the Navy, and any  
17 associated subordinate command or organiza-  
18 tion.

19 (C) In the case of the Air Force, the Air  
20 Force Medical Service, and any associated sub-  
21 ordinate command or organization.

22 (2) TRANSFER OF PERSONNEL AUTHORIZA-  
23 TIONS.—Any personnel authorization of a command  
24 or organization disestablished pursuant to paragraph  
25 (1) as of the date of disestablishment may be trans-



1       ferred by the Secretary to the Defense Health Agen-  
2       cy or any other organization of the Department of  
3       Defense considered appropriate by the Secretary, in-  
4       cluding an operational medical force readiness orga-  
5       nization under subsection (f).

6       **SEC. 713. STREAMLINING OF TRICARE PRIME BENEFICIARY**  
7               **REFERRAL PROCESS.**

8       (a) IN GENERAL.—The Secretary of Defense shall  
9       streamline the process under section 1095f of title 10,  
10      United States Code, by which beneficiaries enrolled in  
11      TRICARE Prime are referred to the civilian provider net-  
12      work for inpatient or outpatient care under the TRICARE  
13      program.

14      (b) OBJECTIVES.—In carrying out the requirement in  
15      subsection (a), the Secretary shall meet the following ob-  
16      jectives:

17              (1) The referral process shall model best indus-  
18      try practices for referrals from primary care man-  
19      agers to specialty care providers.

20              (2) The process shall strictly limit administra-  
21      tive requirements for enrolled beneficiaries, relying  
22      instead on communications among providers and  
23      care coordinators to arrange appointments within  
24      applicable access to care scheduling time standards.

1           (3) Beneficiary preferences for communications  
2 relating to appointment referrals using state-of-the-  
3 art information technology shall be used to expedite  
4 the process.

5           (4) There shall be effective and efficient proc-  
6 esses to determine the availability of appointments  
7 at military medical treatment facilities and, when  
8 unavailable, to make prompt referrals to network  
9 providers under the TRICARE program.

10           (5) There shall be no right-of-first refusal re-  
11 quirement under the process.

12           (c) DEADLINE FOR IMPLEMENTATION.—The require-  
13 ment in subsection (a) shall be implemented for referrals  
14 under TRICARE Prime in calendar year 2019.

15           (d) EVALUATION AND IMPROVEMENT.—After 2019,  
16 the Secretary shall—

17           (1) evaluate the process described in subsection  
18 (a) not less often annually; and

19           (2) make appropriate improvements to the proc-  
20 ess in light of such evaluation.

21           (e) DEFINITIONS.—In this section, the terms  
22 “TRICARE program” and “TRICARE Prime” have the  
23 meaning given such terms in section 1072 of title 10,  
24 United States Code.

1 **SEC. 714. SHARING OF INFORMATION WITH STATE PRE-**  
2 **SCRIPTION DRUG MONITORING PROGRAMS.**

3 (a) IN GENERAL.—Section 1074g of title 10, United  
4 States Code, is amended—

5 (1) by redesignating subsections (g) and (h) as  
6 subsections (h) and (i), respectively; and

7 (2) by inserting after subsection (f) the fol-  
8 lowing new subsection (g):

9 “(g) SHARING OF INFORMATION WITH STATE PRE-  
10 SCRIPTON DRUG MONITORING PROGRAMS.—(1) The Sec-  
11 retary of Defense shall establish and maintain a program  
12 (to be known as the ‘Military Health System Prescription  
13 Drug Monitoring Program’) in accordance with this sub-  
14 section. The program shall include a special emphasis on  
15 drugs provided through facilities of the uniformed services.

16 “(2) The program shall be—

17 “(A) comparable to prescription drug moni-  
18 toring programs operated by States, including such  
19 programs approved by the Secretary of Health and  
20 Human Services under section 3990 of the Public  
21 Health Service Act (42 U.S.C. 280g-3); and

22 “(B) applicable to designated controlled sub-  
23 stance prescriptions under the pharmacy benefits  
24 program.

25 “(3)(A) The Secretary shall establish appropriate  
26 procedures for the bi-directional sharing of patient-specific

1 information regarding prescriptions for designated con-  
2 trolled substances between the program and State pre-  
3 scription drug monitoring programs.

4 “(B) The purpose of sharing of information under  
5 this paragraph shall be to prevent misuse and diversion  
6 of opioid medications and other designated controlled sub-  
7 stances.

8 “(C) Any disclosure of patient-specific information by  
9 the Secretary under this paragraph is an authorized dis-  
10 closure for purposes of the health information privacy reg-  
11 ulations promulgated under the Health Insurance Port-  
12 ability and Accountability Act of 1996 (Public Law 104–  
13 191).

14 “(4)(A) Any procedures developed pursuant to para-  
15 graph (3)(A) shall include appropriate safeguards, as de-  
16 termined by the Secretary, concerning cyber security of  
17 Department of Defense systems and operational security  
18 of Department personnel.

19 “(B) To the extent the Secretary considers appro-  
20 priate, the program may be treated as comparable to a  
21 State program for purposes of bi-directional sharing of  
22 controlled substance prescription information.

23 “(5) For purposes of this subsection, any reference  
24 to a program operated by a State includes any program

1 operated by a county, municipality, or other subdivision  
2 within that State.”.

3 (b) CONFORMING AMENDMENT.—Section 1079(q) of  
4 such title is amended by striking “section 1074g(g)” and  
5 inserting “section 1074g(h)”.

6 **SEC. 715. IMPROVEMENT OF REIMBURSEMENT BY DEPART-**  
7 **MENT OF DEFENSE OF ENTITIES CARRYING**  
8 **OUT STATE VACCINATION PROGRAMS IN**  
9 **CONNECTION WITH VACCINES PROVIDED TO**  
10 **COVERED BENEFICIARIES UNDER THE**  
11 **TRICARE PROGRAM.**

12 Section 719(a) of the National Defense Authorization  
13 Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C.  
14 1074g note) is amended—

15 (1) in paragraph (1), by striking “for the cost  
16 of vaccines provided to covered beneficiaries through  
17 such program”; and

18 (2) in paragraph (2)—

19 (A) in subparagraph (A), by striking “to  
20 purchase vaccines provided” and inserting “in  
21 making vaccines available”;

22 (B) in subparagraph (B), by striking “to  
23 provide vaccines” and all that follows through  
24 the period at the end and inserting “with re-  
25 spect to a State vaccination program may not

1 exceed the amount the Department would reim-  
 2 burse an entity for making vaccines available to  
 3 the number of covered beneficiaries who reside  
 4 in the State concerned.”; and

5 (C) by adding at the end the following new  
 6 subparagraph:

7 “(C) INAPPLICABILITY OF LIMITATION.—  
 8 Subparagraph (B) shall not apply to amounts  
 9 assessed by entities that provide independent  
 10 verification that the assessments of such enti-  
 11 ties are below the costs of the private sector in  
 12 making vaccines available.”.

## 13 **Subtitle C—Reports and Other** 14 **Matters**

### 15 **SEC. 721. EXTENSION OF AUTHORITY FOR JOINT DEPART-** 16 **MENT OF DEFENSE-DEPARTMENT OF VET-** 17 **ERANS AFFAIRS MEDICAL FACILITY DEM-** 18 **ONSTRATION FUND.**

19 Section 1704(e) of the National Defense Authoriza-  
 20 tion Act for Fiscal Year 2010 (Public Law 111–84; 123  
 21 Stat. 2573), as amended by section 722 of the Carl Levin  
 22 and Howard P. “Buck” McKeon National Defense Au-  
 23 thorization Act for Fiscal Year 2015 (Public Law 113–  
 24 291), section 723 of the National Defense Authorization  
 25 Act for Fiscal Year 2016 (Public Law 114–92), section

1 741(a) of the National Defense Authorization Act for Fis-  
2 cal Year 2017 (Public Law 114–328), and section 719 of  
3 the National Defense Authorization Act for Fiscal Year  
4 2018 (Public Law 115–91), is further amended by strik-  
5 ing “September 30, 2019” and inserting “September 30,  
6 2020”.

7 **SEC. 722. INCREASE IN NUMBER OF APPOINTED MEMBERS**  
8 **OF THE HENRY M. JACKSON FOUNDATION**  
9 **FOR THE ADVANCEMENT OF MILITARY MEDI-**  
10 **CINE.**

11 Section 178(c)(1)(C) of title 10, United States Code,  
12 is amended by striking “four members” and inserting “six  
13 members”.

14 **SEC. 723. CESSATION OF REQUIREMENT FOR MENTAL**  
15 **HEALTH ASSESSMENT OF MEMBERS AFTER**  
16 **REDEPLOYMENT FROM A CONTINGENCY OP-**  
17 **ERATION UPON DISCHARGE OR RELEASE**  
18 **FROM THE ARMED FORCES.**

19 Section 1074m of title 10, United States Code, is  
20 amended—

- 21 (1) in subsection (a)(1)(C), by striking “Once”  
22 and inserting “Subject to subsection (d), once”; and  
23 (2) in subsection (d), by striking “subsection  
24 (a)(1)(D)” and inserting “subparagraph (C) or (D)  
25 of subsection (a)(1)”.

1 **SEC. 724. PILOT PROGRAM ON EARNING BY SPECIAL OPER-**  
2 **ATIONS FORCES MEDICS OF CREDITS TO-**  
3 **WARDS A PHYSICIAN ASSISTANT DEGREE.**

4 (a) IN GENERAL.—The Assistant Secretary of De-  
5 fense for Health Affairs shall conduct a pilot program to  
6 assess the feasibility and advisability of partnerships be-  
7 tween special operations forces and institutions of higher  
8 education, and health care systems if determined appro-  
9 priate by the Assistant Secretary for purposes of the pilot  
10 program, through which special operations forces medics  
11 earn credit toward the master’s degree of physician assist-  
12 ant for military operational work and training performed  
13 by the medics.

14 (b) DURATION.—The Assistant Secretary shall con-  
15 duct the pilot program for a period not to exceed five  
16 years.

17 (c) CLINICAL TRAINING.—Partnerships under sub-  
18 section (a) shall permit medics participating in the pilot  
19 program to conduct clinical training at medical facilities  
20 of the Department of Defense and the civilian sector.

21 (d) EVALUATION.—The evaluation of work and train-  
22 ing performed by medics for which credits are earned  
23 under the pilot program shall comply with civilian clinical  
24 evaluation standards applicable to the awarding of mas-  
25 ter’s degrees of physician assistant.

26 (e) REPORTS.—



1           (1) INITIAL REPORT.—Not later than 180 days  
2 after the date of the enactment of this Act, the Sec-  
3 retary of Defense shall submit to the Committees on  
4 Armed Services of the Senate and the House of Rep-  
5 resentative a report that shall include the following:

6           (A) A comprehensive framework for the  
7 military education to be provided to special op-  
8 erations forces medics under the pilot program,  
9 including courses of instruction at institutions  
10 of higher education and any health care systems  
11 participating in the pilot program.

12           (B) Metrics to be used to assess the effec-  
13 tiveness of the pilot program.

14           (C) A description of the mechanisms to be  
15 used by the Department, medics, or both to  
16 cover the costs of education received by medics  
17 under the pilot program through institutions of  
18 higher education or health care systems, includ-  
19 ing payment by the Department in return for a  
20 military service commitment, tuition or other  
21 educational assistance by the Department, use  
22 by medics of post-9/11 educational assistance  
23 available through the Department of Veterans  
24 Affairs, and any other mechanisms the Sec-

1           retary considers appropriate for purposes of the  
2           pilot program.

3           (2) FINAL REPORT.—Not later than 180 days  
4           after completion of the pilot program, the Secretary  
5           shall submit to the Committees on Armed Services  
6           of the Senate and the House of Representatives a  
7           final report on the pilot program. The report shall  
8           include the following:

9                   (A) An evaluation of the pilot program  
10                  using the metrics of assessment set forth pursu-  
11                  ant to paragraph (1)(B).

12                  (B) An assessment of the utility of the  
13                  funding mechanisms set forth pursuant to para-  
14                  graph (1)(C).

15                  (C) An assessment of the effects of the  
16                  pilot program on recruitment and retention of  
17                  medics for special operations forces.

18                  (D) An assessment of the feasibility and  
19                  advisability of extending one or more authori-  
20                  ties for joint professional military education  
21                  under chapter 107 of title 10, United States  
22                  Code, to warrant officers or enlisted personnel,  
23                  and if the Secretary considers the extension of  
24                  any such authorities feasible and advisable, rec-

1           ommendations for legislative or administrative  
2           action to so extend such authorities.

3           (f) CONSTRUCTION OF AUTHORITIES.—Nothing in  
4 this section may be construed to—

5           (1) authorize an officer or employee of the Fed-  
6           eral Government to create, endorse, or otherwise  
7           incentivize a particular curriculum or degree track;  
8           or

9           (2) require, direct, review, or control a State or  
10          educational institution, or the instructional content,  
11          curriculum, and related activities of a State or edu-  
12          cational institution.

13 **SEC. 725. PILOT PROGRAM ON PARTNERSHIPS WITH CIVIL-**  
14                                   **IAN ORGANIZATIONS FOR SPECIALIZED MED-**  
15                                   **ICAL TRAINING.**

16          (a) IN GENERAL.—The Secretary of Defense shall  
17          carry out a pilot program to assess the feasibility and ad-  
18          visability of establishing partnerships with public, private,  
19          and non-profit organizations and institutions to provide  
20          short-term specialized medical training to advance the  
21          medical skills and capabilities of military medical pro-  
22          viders.

23          (b) DURATION.—The Secretary may carry out the  
24          pilot program under subsection (a) for a period of not  
25          more than three years.

1           (c) EVALUATION METRICS.—Before commencing the  
2 pilot program under subsection (a), the Secretary shall es-  
3 tablish metrics to be used to evaluate the effectiveness of  
4 the pilot program.

5           (d) REPORTS.—

6           (1) INITIAL REPORT.—

7                   (A) IN GENERAL.—Not later than 180  
8 days before the commencement of the pilot pro-  
9 gram under subsection (a), the Secretary shall  
10 submit to the Committees on Armed Services of  
11 the Senate and the House of Representatives a  
12 report on the pilot program.

13                   (B) ELEMENTS.—The report required by  
14 subparagraph (A) shall include a description of  
15 the pilot program, the evaluation metrics estab-  
16 lished under subsection (c), and such other  
17 matters relating to the pilot program as the  
18 Secretary considers appropriate.

19           (2) FINAL REPORT.—

20                   (A) IN GENERAL.—Not later than 180  
21 days after the completion of the pilot program  
22 under subsection (a), the Secretary shall submit  
23 to the Committees on Armed Services of the  
24 Senate and the House of Representatives a re-  
25 port on the pilot program.

1 (B) ELEMENTS.—The report required by  
2 subparagraph (A) shall include the following:

3 (i) A description of the pilot program,  
4 including the partnerships established  
5 under the pilot program as described in  
6 subsection (a).

7 (ii) An assessment of the effectiveness  
8 of the pilot program.

9 (iii) Such recommendations for legis-  
10 lative or administrative action as the Sec-  
11 retary considers appropriate in light of the  
12 pilot program, including recommendations  
13 for extending or making permanent the au-  
14 thority for the pilot program.

15 (e) FUNDING.—

16 (1) IN GENERAL.—The amount authorized to  
17 be appropriated for fiscal year 2019 for the Depart-  
18 ment of Defense for the Defense Health Program  
19 for education and training shall be increased by  
20 \$2,500,000.

21 (2) AVAILABILITY.—The amount of the in-  
22 crease of the authorization under paragraph (1)  
23 shall be available to carry out this section and shall  
24 remain available for obligation until the completion  
25 of the pilot program under this section.

1 **SEC. 726. REGISTRY OF INDIVIDUALS EXPOSED TO PER-**  
2 **AND POLYFLUOROALKYL SUBSTANCES ON**  
3 **MILITARY INSTALLATIONS.**

4 (a) ESTABLISHMENT OF REGISTRY.—

5 (1) IN GENERAL.—Not later than one year  
6 after the date of the enactment of this Act, the Sec-  
7 retary of Veterans Affairs shall—

8 (A) establish and maintain a registry for  
9 eligible individuals who may have been exposed  
10 to per- and polyfluoroalkyl substances (in this  
11 section referred to as “PFAS”) due to the envi-  
12 ronmental release of aqueous film-forming foam  
13 (in this section referred to as “AFFF”) on mili-  
14 tary installations to meet the requirements of  
15 military specification MIL-F-24385F;

16 (B) include any information in such reg-  
17 istry that the Secretary of Veterans Affairs de-  
18 termines necessary to ascertain and monitor the  
19 health effects of the exposure of members of the  
20 Armed Forces to PFAS associated with AFFF;

21 (C) develop a public information campaign  
22 to inform eligible individuals about the registry,  
23 including how to register and the benefits of  
24 registering; and

25 (D) periodically notify eligible individuals  
26 of significant developments in the study and

1 treatment of conditions associated with expo-  
2 sure to PFAS.

3 (2) COORDINATION.—The Secretary of Vet-  
4 erans Affairs shall coordinate with the Secretary of  
5 Defense in carrying out paragraph (1).

6 (b) REPORTS.—

7 (1) INITIAL REPORT.—Not later than two years  
8 after the date on which the registry under subsection  
9 (a) is established, the Secretary of Veterans Affairs  
10 shall submit to Congress an initial report containing  
11 the following:

12 (A) An assessment of the effectiveness of  
13 actions taken by the Secretary of Veterans Af-  
14 fairs and the Secretary of Defense to collect  
15 and maintain information on the health effects  
16 of exposure to PFAS.

17 (B) Recommendations to improve the col-  
18 lection and maintenance of such information.

19 (C) Using established and previously pub-  
20 lished epidemiological studies, recommendations  
21 regarding the most effective and prudent means  
22 of addressing the medical needs of eligible indi-  
23 viduals with respect to exposure to PFAS.

24 (2) FOLLOW-UP REPORT.—Not later than five  
25 years after submitting the initial report under para-

1 graph (1), the Secretary of Veterans Affairs shall  
2 submit to Congress a follow-up report containing the  
3 following:

4 (A) An update to the initial report sub-  
5 mitted under paragraph (1).

6 (B) An assessment of whether and to what  
7 degree the content of the registry established  
8 under subsection (a) is current and scientif-  
9 ically up-to-date.

10 (3) INDEPENDENT SCIENTIFIC ORGANIZA-  
11 TION.—The Secretary of Veterans Affairs shall enter  
12 into an agreement with an independent scientific or-  
13 ganization to prepare the reports under paragraphs  
14 (1) and (2).

15 (c) RECOMMENDATIONS FOR ADDITIONAL EXPO-  
16 SURES TO BE INCLUDED.—Not later than five years after  
17 the date of the enactment of this Act, and every five years  
18 thereafter, the Secretary of Veterans Affairs, in consulta-  
19 tion with the Secretary of Defense and the Administrator  
20 of the Environmental Protection Agency, shall submit to  
21 Congress recommendations for additional chemicals with  
22 respect to which individuals exposed to such chemicals  
23 should be included in the registry established under sub-  
24 section (a).



1 (d) ELIGIBLE INDIVIDUAL DEFINED.—In this sec-  
2 tion, the term “eligible individual” means any individual  
3 who, on or after a date specified by the Secretary of Vet-  
4 erans Affairs through regulations, served or is serving in  
5 the Armed Forces at a military installation where AFFF  
6 was used or at another location of the Department of De-  
7 fense where AFFF was used.

8 **SEC. 727. INCLUSION OF GAMBLING DISORDER IN HEALTH**  
9 **ASSESSMENTS FOR MEMBERS OF THE ARMED**  
10 **FORCES AND RELATED RESEARCH EFFORTS.**

11 (a) ANNUAL PERIODIC HEALTH ASSESSMENT.—The  
12 Secretary of Defense shall incorporate medical screening  
13 questions specific to gambling disorder into the Annual  
14 Periodic Health Assessment conducted by the Department  
15 of Defense for members of the Armed Forces.

16 (b) RESEARCH EFFORTS.—The Secretary shall incor-  
17 porate into ongoing research efforts of the Department  
18 questions on gambling disorder, as appropriate, including  
19 by restoring such questions into the Health Related Be-  
20 haviors Survey of Active Duty Military Personnel and the  
21 Health Related Behaviors Survey of Reserve Component  
22 Personnel.

23 (c) REPORT.—Not later than two years after the date  
24 of the enactment of this Act, the Secretary shall submit  
25 to the congressional defense committees a report on efforts

1 undertaken pursuant to subsections (a) and (b) and the  
2 findings of the assessments and surveys described in those  
3 subsections with respect to the prevalence of gambling dis-  
4 order among members of the Armed Forces.

5 **SEC. 728. COMPTROLLER GENERAL REVIEW OF DEFENSE**  
6 **HEALTH AGENCY OVERSIGHT OF TRICARE**  
7 **MANAGED CARE SUPPORT CONTRACTORS.**

8 (a) REVIEW.—Not later than 180 days after the date  
9 of the enactment of this Act, the Comptroller General of  
10 the United States shall submit to the congressional de-  
11 fense committees a review of the oversight conducted by  
12 the Defense Health Agency with respect to the transition  
13 of managed care support contractors for the TRICARE  
14 program.

15 (b) MATTERS INCLUDED.—The review conducted  
16 under subsection (a) shall include the following:

17 (1) The extent to which the Defense Health  
18 Agency provided guidance and oversight to the out-  
19 going and incoming managed care support contrac-  
20 tors during the transition period prior to the start  
21 of health care delivery.

22 (2) The extent to which there were any issues  
23 with health care delivery, and if so—

1           (A) the effect, if any, of the guidance and  
2           oversight by the Defense Health Agency during  
3           the transition period on those issues; and

4           (B) the solutions of the Defense Health  
5           Agency for remediating any deficiencies of man-  
6           aged care support contractors.

7           (3) The extent to which the Defense Health  
8           Agency has reviewed any lessons learned from prior  
9           transitions and incorporated those lessons into the  
10          current transition.

11          (c) ONGOING REQUIREMENT.—The Comptroller Gen-  
12          eral shall review any transition of managed care support  
13          contractors for the TRICARE program occurring after the  
14          date of the review under subsection (a) and submit to the  
15          congressional defense committees a similar review for each  
16          such transition.

17          (d) TRICARE PROGRAM DEFINED.—In this section,  
18          the term “TRICARE program” has the meaning given  
19          that term in section 1072 of title 10, United States Code.

1 **TITLE VIII—ACQUISITION POL-**  
2 **ICY, ACQUISITION MANAGE-**  
3 **MENT, AND RELATED MAT-**  
4 **TERS**

5 **Subtitle A—Acquisition Policy and**  
6 **Management**

7 **SEC. 801. PERMANENT SUPPLY CHAIN RISK MANAGEMENT**  
8 **AUTHORITY.**

9 (a) PERMANENT EXTENSION OF AUTHORITY.—

10 (1) IN GENERAL.—Chapter 137 of title 10,  
11 United States Code, is amended by adding at the  
12 end the following new section:

13 **“§ 2339a. Requirements for information relating to**  
14 **supply chain risk**

15 “(a) AUTHORITY.—Subject to subsection (b), the  
16 head of a covered agency may—

17 “(1) carry out a covered procurement action;  
18 and

19 “(2) limit, notwithstanding any other provision  
20 of law, in whole or in part, the disclosure of informa-  
21 tion relating to the basis for carrying out a covered  
22 procurement action.

23 “(b) DETERMINATION AND NOTIFICATION.—The  
24 head of a covered agency may exercise the authority pro-  
25 vided in subsection (a) only after—

1           “(1) obtaining a joint recommendation by the  
2 Under Secretary of Defense for Acquisition and  
3 Sustainment and the Chief Information Officer of  
4 the Department of Defense, on the basis of a risk  
5 assessment by the Under Secretary of Defense for  
6 Intelligence, that there is a significant supply chain  
7 risk to a covered system;

8           “(2) making a determination in writing, in un-  
9 classified or classified form, with the concurrence of  
10 the Under Secretary of Defense for Acquisition and  
11 Sustainment, that—

12                 “(A) use of the authority in subsection  
13 (a)(1) is necessary to protect national security  
14 by reducing supply chain risk;

15                 “(B) less intrusive measures are not rea-  
16 sonably available to reduce such supply chain  
17 risk; and

18                 “(C) in a case where the head of the cov-  
19 ered agency plans to limit disclosure of informa-  
20 tion under subsection (a)(2), the risk to na-  
21 tional security due to the disclosure of such in-  
22 formation outweighs the risk due to not dis-  
23 closing such information; and

24           “(3) providing a classified or unclassified notice  
25 of the determination made under paragraph (2) to

1 the appropriate congressional committees, which no-  
2 tice shall include—

3 “(A) the information required by section  
4 2304(f)(3) of this title;

5 “(B) the joint recommendation by the  
6 Under Secretary of Defense for Acquisition and  
7 Sustainment and the Chief Information Officer  
8 of the Department of Defense as specified in  
9 paragraph (1);

10 “(C) a summary of the risk assessment by  
11 the Under Secretary of Defense for Intelligence  
12 that serves as the basis for the joint rec-  
13 ommendation specified in paragraph (1); and

14 “(D) a summary of the basis for the deter-  
15 mination, including a discussion of less intru-  
16 sive measures that were considered and why  
17 they were not reasonably available to reduce  
18 supply chain risk.

19 “(c) DELEGATION.—The head of a covered agency  
20 may not delegate the authority provided in subsection (a)  
21 or the responsibility to make a determination under sub-  
22 section (b) to an official below the level of the service ac-  
23 quisition executive for the agency concerned.

1       “(d) LIMITATION ON DISCLOSURE.—If the head of  
2 a covered agency has exercised the authority provided in  
3 subsection (a)(2) to limit disclosure of information—

4           “(1) no action undertaken by the agency head  
5 under such authority shall be subject to review in a  
6 bid protest before the Government Accountability  
7 Office or in any Federal court; and

8           “(2) the agency head shall—

9           “(A) notify appropriate parties of a cov-  
10 ered procurement action and the basis for such  
11 action only to the extent necessary to effectuate  
12 the covered procurement action;

13           “(B) notify other Department of Defense  
14 components or other Federal agencies respon-  
15 sible for procurements that may be subject to  
16 the same or similar supply chain risk, in a man-  
17 ner and to the extent consistent with the re-  
18 quirements of national security; and

19           “(C) ensure the confidentiality of any such  
20 notifications.

21       “(e) DEFINITIONS.—In this section:

22           “(1) HEAD OF A COVERED AGENCY.—The term  
23 ‘head of a covered agency’ means each of the fol-  
24 lowing:

25           “(A) The Secretary of Defense.

1           “(B) The Secretary of the Army.

2           “(C) The Secretary of the Navy.

3           “(D) The Secretary of the Air Force.

4           “(2) COVERED PROCUREMENT ACTION.—The  
5 term ‘covered procurement action’ means any of the  
6 following actions, if the action takes place in the  
7 course of conducting a covered procurement:

8           “(A) The exclusion of a source that fails to  
9 meet qualification standards established in ac-  
10 cordance with the requirements of section 2319  
11 of this title for the purpose of reducing supply  
12 chain risk in the acquisition of covered systems.

13           “(B) The exclusion of a source that fails to  
14 achieve an acceptable rating with regard to an  
15 evaluation factor providing for the consideration  
16 of supply chain risk in the evaluation of pro-  
17 posals for the award of a contract or the  
18 issuance of a task or delivery order.

19           “(C) The decision to withhold consent for  
20 a contractor to subcontract with a particular  
21 source or to direct a contractor for a covered  
22 system to exclude a particular source from con-  
23 sideration for a subcontract under the contract.

24           “(3) COVERED PROCUREMENT.—The term ‘cov-  
25 ered procurement’ means—



1           “(A) a source selection for a covered sys-  
2           tem or a covered item of supply involving either  
3           a performance specification, as provided in sec-  
4           tion 2305(a)(1)(C)(ii) of this title, or an evalua-  
5           tion factor, as provided in section  
6           2305(a)(2)(A) of this title, relating to supply  
7           chain risk;

8           “(B) the consideration of proposals for and  
9           issuance of a task or delivery order for a cov-  
10          ered system or a covered item of supply, as pro-  
11          vided in section 2304e(d)(3) of this title, where  
12          the task or delivery order contract concerned in-  
13          cludes a contract clause establishing a require-  
14          ment relating to supply chain risk; or

15          “(C) any contract action involving a con-  
16          tract for a covered system or a covered item of  
17          supply where such contract includes a clause es-  
18          tablishing requirements relating to supply chain  
19          risk.

20          “(4) SUPPLY CHAIN RISK.—The term ‘supply  
21          chain risk’ means the risk that an adversary may  
22          sabotage, maliciously introduce unwanted function,  
23          or otherwise subvert the design, integrity, manufac-  
24          turing, production, distribution, installation, oper-  
25          ation, or maintenance of a covered system so as to

1 surveil, deny, disrupt, or otherwise degrade the func-  
2 tion, use, or operation of such system.

3 “(5) COVERED SYSTEM.—The term ‘covered  
4 system’ means a national security system, as that  
5 term is defined in section 3542(b) of title 44.

6 “(6) COVERED ITEM OF SUPPLY.—The term  
7 ‘covered item of supply’ means an item of informa-  
8 tion technology (as that term is defined in section  
9 11101 of title 40) that is purchased for inclusion in  
10 a covered system, and the loss of integrity of which  
11 could result in a supply chain risk for a covered sys-  
12 tem.

13 “(7) APPROPRIATE CONGRESSIONAL COMMIT-  
14 TEES.—The term ‘appropriate congressional com-  
15 mittees’ means—

16 “(A) in the case of a covered system in-  
17 cluded in the National Intelligence Program or  
18 the Military Intelligence Program, the Select  
19 Committee on Intelligence of the Senate, the  
20 Permanent Select Committee on Intelligence of  
21 the House of Representatives, and the congress-  
22 sional defense committees; and

23 “(B) in the case of a covered system not  
24 otherwise included in subparagraph (A), the  
25 congressional defense committees.”.

1           (2) CLERICAL AMENDMENT.—The table of sec-  
2           tions at the beginning of such chapter is amended  
3           by inserting after the item relating to section 2339  
4           the following new item:

“2339a. Requirements for information relating to supply chain risk.”.

5           (b) REPEAL OF OBSOLETE AUTHORITY.—Section  
6           806(g) of the Ike Skelton National Defense Authorization  
7           Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C.  
8           2304 note) is hereby repealed.

9           **SEC. 802. COMMERCIALLY AVAILABLE MARKET RESEARCH.**

10          (a) IN GENERAL.—Subsection (e) of section 2431a  
11          of title 10, United States code, is amended by adding at  
12          the end the following new paragraph:

13                 “(10) The term ‘market research’ includes—

14                         “(A) government market research directly  
15                         with prospective vendors, including—

16                                 “(i) contacting knowledgeable individ-  
17                                 uals in government and industry regarding  
18                                 market capabilities to meet requirements;

19                                 “(ii) reviewing the results of recent  
20                                 market research undertaken to meet simi-  
21                                 lar or identical requirements;

22                                 “(iii) publishing formal requests for  
23                                 information in appropriate technical or sci-  
24                                 entific journals or business publications;

1           “(iv) querying the governmentwide  
2           database of contracts and other procure-  
3           ment instruments intended for use by mul-  
4           tiple agencies;

5           “(v) participating in interactive, on-  
6           line communication among industry, acqui-  
7           sition personnel, and customers;

8           “(vi) obtaining source lists of similar  
9           items from other contracting activities or  
10          agencies, trade associations, or other  
11          sources;

12          “(vii) reviewing catalogs and other  
13          generally available product literature pub-  
14          lished by manufacturers, distributors, and  
15          dealers or available online;

16          “(viii) conducting interchange meet-  
17          ings or holding presolicitation conferences  
18          to involve potential offerors early in the ac-  
19          quisition process; and

20          “(ix) ensuring that any conflicts of in-  
21          terest presented by vendors providing gov-  
22          ernment capability statements are both  
23          disclosed and mitigated; and

24          “(B) commercially available third-party  
25          market research.”.

1 (b) REVIEW.—Not later than 120 days after the date  
2 of the enactment of this Act, the Under Secretary of De-  
3 fense for Acquisition and Sustainment, in consultation  
4 with the Under Secretary of Defense for Research and En-  
5 gineering, shall review the guidance of the Department of  
6 Defense with regard to those portions of the Federal Ac-  
7 quisition Regulation regarding commercially available  
8 market research, including sections 10.001(a)(2)(vi) and  
9 10.002(b). The review shall, at a minimum—

10 (1) assess the impact that conducting market  
11 research has on the Department’s resources; and

12 (2) ensure that commercially available market  
13 research is considered among other sources of re-  
14 search, as appropriate, and reviewed prior to devel-  
15 oping new requirements documents for an acquisi-  
16 tion by the Department.

17 **SEC. 803. COMPTROLLER GENERAL ASSESSMENT OF AC-**  
18 **QUISITION PROGRAMS AND RELATED INITIA-**  
19 **TIVES.**

20 (a) IN GENERAL.—Chapter 131 of title 10, United  
21 States Code, is amended by adding at the end the fol-  
22 lowing new section:

1 **“§ 2229b. Comptroller General assessment on acquisi-**  
2 **tion programs and initiatives**

3 “(a) ASSESSMENT REQUIRED.—The Comptroller  
4 General of the United States shall submit to the congress-  
5 sional defense committees an annual assessment of se-  
6 lected acquisition programs and initiatives of the Depart-  
7 ment of Defense by March 30th of each year, beginning  
8 in 2020.

9 “(b) ANALYSES TO BE INCLUDED.—The assessment  
10 required under subsection (a) shall include—

11 “(1) a macro analysis of how well acquisition  
12 programs and initiatives are performing and reasons  
13 for that performance;

14 “(2) a summary of organizational and legisla-  
15 tive changes and emerging assessment methodologies  
16 since the last assessment, and a discussion of the  
17 implications for execution and oversight of programs  
18 and initiatives; and

19 “(3) specific analyses of individual acquisition  
20 programs and initiatives.

21 “(c) ACQUISITION PROGRAMS AND INITIATIVES TO  
22 BE CONSIDERED.—The assessment required under sub-  
23 section (a) shall consider the following programs and ini-  
24 tiatives:

25 “(1) Selected weapon systems, as determined  
26 appropriate by the Comptroller General.

1           “(2) Selected information technology systems  
2           and initiatives, including defense business systems,  
3           networks, and software-intensive systems, as deter-  
4           mined appropriate by the Comptroller General.

5           “(3) Selected prototyping and rapid fielding ac-  
6           tivities and initiatives, as determined appropriate by  
7           the Comptroller General.”.

8           (b) CLERICAL AMENDMENT.—The table of sections  
9           at the beginning of such chapter is amended by inserting  
10          after the item relating to section 2229a the following new  
11          item:

          “2229b. Comptroller General assessment on acquisition programs and related  
          initiatives.”.

12          (c) REPEAL OF SUPERSEDED AUTHORITY.—Section  
13          883(d) of the National Defense Authorization Act for Fis-  
14          cal Year 2016 (Public Law 114–92; 10 U.S.C. 2222 note)  
15          is amended by striking paragraph (1).

16          **Subtitle B—Amendments to Gen-**  
17          **eral Contracting Authorities,**  
18          **Procedures, and Limitations**

19          **SEC. 811. DEPARTMENT OF DEFENSE CONTRACTING DIS-**  
20          **PUTE MATTERS.**

21          (a) IN GENERAL.—Not later than 180 days after the  
22          date of enactment of this Act, the Secretary of Defense  
23          shall carry out a study of the frequency and effects of bid  
24          protests involving the same contract award or proposed

1 award that have been filed at both the Government Ac-  
2 countability Office and the United States Court of Federal  
3 Claims. The study shall cover Department of Defense con-  
4 tracts and include, at a minimum—

5 (1) the number of protests that have been filed  
6 with both tribunals and results;

7 (2) the number of such protests where the tri-  
8 bunals differed in denying or sustaining the action;

9 (3) the length of time, in average time and me-  
10 dian time—

11 (A) from initial filing at the Government  
12 Accountability Office to decision in the United  
13 States Court of Federal Claims;

14 (B) from filing with each tribunal to deci-  
15 sion by such tribunal;

16 (C) from the time at which the basis of the  
17 protest is known to the time of filing in each  
18 tribunal; and

19 (D) in the case of an appeal from a deci-  
20 sion of the United States Court of Federal  
21 Claims, from the date of the initial filing of the  
22 appeal to decision in the appeal;

23 (4) the number of protests where performance  
24 was stayed or enjoined and for how long;



1           (5) if performance was stayed or enjoined,  
2           whether the requirement was obtained in the interim  
3           through another vehicle or in-house, or whether dur-  
4           ing the period of the stay or enjoining the require-  
5           ment went unfulfilled;

6           (6) separately for each tribunal, the number of  
7           protests where performance was stayed or enjoined  
8           and monetary damages were awarded, which shall  
9           include for how long performance was stayed or en-  
10          joined and the amount of monetary damages;

11          (7) whether the protestor was a large or small  
12          business; and

13          (8) whether the protestor was the incumbent in  
14          a prior contract for the same or similar product or  
15          service.

16          (b) REPORT.—Not later than 180 days after the date  
17          of enactment of this Act, the Secretary of Defense shall  
18          submit to the congressional defense committees, the Com-  
19          mittee on the Judiciary of the Senate, and the Committee  
20          on the Judiciary of the House of Representatives a report  
21          on the results of the study, along with related rec-  
22          ommendations for improving the expediency of the bid  
23          protest process. In preparing the report, the Secretary  
24          shall consult with the Attorney General of the United

1 States, the Comptroller General of the United States, and  
2 the United States Court of Federal Claims.

3 (c) ONGOING DATA COLLECTION.—Not later than  
4 270 days after the date of enactment of this Act, the Sec-  
5 retary of Defense shall establish and continuously main-  
6 tain a data repository to collect on an ongoing basis the  
7 information described in subsection (a) and any additional  
8 relevant bid protest data the Secretary determines nec-  
9 essary and appropriate to allow the Department of De-  
10 fense, the Government Accountability Office, and the  
11 United States Court of Federal Claims to assess and re-  
12 view bid protests over time.

13 (d) ESTABLISHMENT OF EXPEDITED PROCESS FOR  
14 SMALL VALUE CONTRACTS.—

15 (1) IN GENERAL.—Not later than December 1,  
16 2019, the Secretary of Defense shall develop a plan  
17 and schedule for an expedited bid protest process for  
18 Department of Defense contracts with a value of less  
19 than \$100,000.

20 (2) CONSULTATION.—In carrying out para-  
21 graph (1), the Secretary of Defense may consult  
22 with the Government Accountability Office and the  
23 United States Court of Federal Claims to the extent  
24 such entities may establish a similar process at their  
25 election.

1           (3) REPORT.—Not later than May 1, 2019, the  
 2           Secretary of Defense shall submit to the congres-  
 3           sional defense committees a report on the plan and  
 4           schedule for implementation of the expedited bid  
 5           protest process, which shall include a request for any  
 6           additional authorities the Secretary determines ap-  
 7           propriate for such efforts.

8 **SEC. 812. CONTINUATION OF TECHNICAL DATA RIGHTS**  
 9 **DURING CHALLENGES.**

10           (a) EXERCISE OF RIGHTS IN TECHNICAL DATA BE-  
 11           FORE FINAL DISPOSITION OF A CHALLENGE.—Section  
 12           2321(i) of title 10, United States Code, is amended—

- 13           (1) in the subsection heading, by inserting  
 14           “PRIOR TO AND” after “RIGHTS AND LIABILITY”;  
 15           (2) by redesignating paragraphs (1) and (2) as  
 16           paragraphs (3) and (4), respectively; and  
 17           (3) by inserting before paragraph (3), as so re-  
 18           designated, the following new paragraphs:

19           “(1) Upon issuance of a challenge to a use or release  
 20           restriction asserted by a contractor or subcontractor under  
 21           the contract made pursuant to subsection (d) or made  
 22           under procedures established by the Department of De-  
 23           fense for challenges to asserted use or release restrictions  
 24           in connection with noncommercial computer software, and  
 25           until final disposition of such a challenge, the Department

1 of Defense may exercise rights in the technical data or  
2 noncommercial computer software rights consistent with  
3 the grounds identified in the challenge pursuant to sub-  
4 section (d)(3), (or the grounds identified under cor-  
5 responding Department of Defense procedures in the case  
6 of noncommercial computer software) in order to meet De-  
7 partment of Defense mission requirements.

8       “(2) In the event that the challenge made by the gov-  
9 ernment is not sustained upon final disposition, the con-  
10 tractor or subcontractor shall have only a right to dam-  
11 ages against the United States if the United States was  
12 found to have not acted in good faith and as otherwise  
13 provided by law arising from the exercise of rights de-  
14 scribed in paragraph (1) during the time period described  
15 in such paragraph.”.

16       (b) REVISION OF THE DEFENSE FEDERAL ACQUISI-  
17 TION REGULATION SUPPLEMENT.—Not later than 180  
18 days after the date of the enactment of this Act, the Sec-  
19 retary of Defense shall revise the Defense Federal Acquisi-  
20 tion Regulation Supplement, by interim or final rule, to  
21 implement the amendments made by subsection (a).

22       (c) EFFECTIVE DATE.—The amendments made by  
23 subsection (a) and the revision required by subsection (b)  
24 shall become effective on the date of publication of the  
25 interim or final rule (whichever is earlier) required by sub-

1 section (b) and shall apply to solicitations issued by De-  
2 partment of Defense contracting activities after that date  
3 unless the senior procurement executive of the agency con-  
4 cerned grants a waiver on a case-by-case basis.

5 (d) GUIDANCE ON TECHNICAL DATA RIGHT NEGOTIATION.—The Secretary of Defense shall develop policies  
6 on the negotiation of technical data rights for noncommer-  
7 cial software that reflects the Department of Defense’s  
8 needs for technical data rights in the event of a protest  
9 or replacement of incumbent contractor to meet defense  
10 requirements in the most cost effective manner.  
11

12 **SEC. 813. INCREASED MICRO-PURCHASE THRESHOLD.**

13 (a) IN GENERAL.—Section 2338 of title 10, United  
14 States Code, is amended by striking “Notwithstanding  
15 subsection (a) of section 1902 of title 41, the micro-pur-  
16 chase threshold for the Department of Defense for pur-  
17 poses of such section is \$5,000” and inserting “The micro-  
18 purchase threshold for the Department of Defense is  
19 \$10,000”.

20 (b) CONFORMING AMENDMENT.—Section 1902(a)(1)  
21 of title 41, United States Code, is amended by striking  
22 “sections 2338 and 2339 of title 10 and”.

23 (c) REPEAL OF OBSOLETE AUTHORITY.—

24 (1) IN GENERAL.—Section 2339 of title 10,  
25 United States Code, is repealed.

1           (2) CLERICAL AMENDMENT.—The table of sec-  
2           tions at the beginning of chapter 137 of title 10,  
3           United States Code, is amended by striking the item  
4           relating to section 2339.

5 **SEC. 814. MODIFICATION OF LIMITATIONS ON SINGLE**  
6                   **SOURCE TASK OR DELIVERY ORDER CON-**  
7                   **TRACTS.**

8           Section 2304a(d)(3)(A) of title 10, United States  
9           Code, is amended by striking “reasonably perform the  
10          work” and inserting “efficiently perform the work”.

11 **SEC. 815. PRELIMINARY COST ANALYSIS REQUIREMENT**  
12                   **FOR EXERCISE OF MULTIYEAR CONTRACT**  
13                   **AUTHORITY.**

14          Section 2306b(i)(2)(B) of title 10, United States  
15          Code, is amended—

16               (1) by striking “made after the completion of a  
17               cost analysis” and inserting “supported by a prelimi-  
18               nary cost analysis”; and

19               (2) by striking “for the purpose of section  
20               2334(e)(1) of this title, and that the analysis sup-  
21               ports those preliminary findings”.

1 **SEC. 816. INCLUSION OF BEST AVAILABLE INFORMATION**  
2 **REGARDING PAST PERFORMANCE OF SUB-**  
3 **CONTRACTORS AND JOINT VENTURE PART-**  
4 **NERS.**

5 (a) REQUIREMENTS FOR PERFORMANCE OF SUB-  
6 CONTRACTORS AND JOINT VENTURE PARTNERS.—Not  
7 later than 180 days after the date of the enactment of  
8 this Act, the Secretary of Defense, in consultation with  
9 the Federal Acquisition Regulatory Council and the Ad-  
10 ministrator for Federal Procurement Policy, shall develop  
11 policies for the Department of Defense to ensure the best  
12 information regarding past performance of certain sub-  
13 contractors and joint venture partners is available when  
14 awarding Department of Defense contracts. The policies  
15 shall include proposed revisions to the Defense Federal  
16 Acquisition Regulation Supplement as follows:

17 (1) Required performance evaluations, as part  
18 of a government-wide evaluation reporting tool, for  
19 first-tier subcontractors performing a portion of the  
20 contract valued at not less than 20 percent of the  
21 value of the prime contract, provided—

22 (A) the information included in rating the  
23 subcontractor is not inconsistent with the infor-  
24 mation included in the rating for the prime con-  
25 tractor;

1 (B) the subcontractor evaluation is con-  
2 ducted consistent with the provisions of section  
3 42.15 of the Federal Acquisition Regulation;

4 (C) negative evaluations of a subcontractor  
5 in no way obviate the prime contractor's re-  
6 sponsibility for successful completion of the con-  
7 tract and management of its subcontractors;  
8 and

9 (D) that in the judgment of the con-  
10 tracting officer, the overall execution of the  
11 work is impacted by the performance of the  
12 subcontractor or subcontractors.

13 (2) Required performance evaluations, as part  
14 of a government-wide evaluation reporting tool, of  
15 individual partners of joint venture-awarded, to en-  
16 sure that past performance on joint venture projects  
17 is considered in future awards to individual joint  
18 venture partners, provided—

19 (A) at a minimum, the rating for joint ven-  
20 tures includes an identification that allows the  
21 evaluation to be retrieved for each partner of  
22 the joint venture;

23 (B) each partner, through the joint ven-  
24 ture, is given the same opportunity to submit  
25 comments, rebutting statements, or additional



1 information, consistent with the provisions of  
2 section 42.15 of the Federal Acquisition Regu-  
3 lation; and

4 (C) the rating clearly identifies the respon-  
5 sibilities of joint venture partners for discrete  
6 elements of the work where the partners are not  
7 jointly and severally responsible for the project.

8 (3) Processes to request exceptions from the  
9 annual evaluation requirement under section  
10 42.1502(a) of the Federal Acquisition Regulation  
11 where submission of the annual evaluations would  
12 not provide the best representation of the perform-  
13 ance of a contractor, including subcontractors and  
14 joint venture partners, including—

15 (A) where no severable element of the work  
16 has been completed;

17 (B) where the contracting officer deter-  
18 mines that—

19 (i) an insubstantial portion of the con-  
20 tract work has been completed in the pre-  
21 ceding year; and

22 (ii) the lack of performance is at non-  
23 fault to the contractor; or

24 (C) where the contracting officer deter-  
25 mines that there is an issue in dispute which,

1           until resolved, would likely cause the annual  
2           rating to inaccurately reflect the past perform-  
3           ance of the contractor.

4           (b) REPORT ON CONTRACTOR PERFORMANCE AP-  
5 PEALS.—Not later than 180 days after the date of the  
6 enactment of this Act, the Secretary of Defense shall sub-  
7 mit to the defense committees a report on contractor and  
8 subcontractor past performance evaluations and appeals,  
9 including—

10           (1) data on the number of performance evalua-  
11 tion appeals filed by contractors and subcontractors  
12 within the previous five years;

13           (2) the frequency that an appeal was successful  
14 and the performance evaluation was changed favor-  
15 ably for the contractor;

16           (3) the time it takes for an appeal to make its  
17 way through the process from filing to adjudication;  
18 and

19           (4) what impact the appeals process has on the  
20 tracking of information in the performance database  
21 system and consideration of contractor and subcon-  
22 tractor performance on future contracts.

23           (c) AGENCY PROGRESS ON PERFORMANCE EVALUA-  
24 TIONS.—Not later than 180 days after the date of the en-  
25 actment of this Act, the Secretary of Defense shall develop

1 a scorecard that compares the timeliness, completeness,  
2 and accuracy of contractor performance evaluations  
3 among the Department’s components. This scorecard shall  
4 be reported annually to Congress and made publicly avail-  
5 able not later than December 31 for the prior fiscal year  
6 until 2024.

7 (d) CONGRESSIONAL ACCESS TO PERFORMANCE  
8 DATA.—

9 (1) IN GENERAL.—At the written request of a  
10 Chairman or Ranking Member of one of the appro-  
11 priate congressional committees, the Secretary of  
12 Defense shall make all contractor performance eval-  
13 uations available through electronic access to data  
14 systems or in another manner specified by the re-  
15 quest for designated staff members of the appro-  
16 priate congressional committees.

17 (2) APPROPRIATE CONGRESSIONAL COMMIT-  
18 TEES.—In this subsection, the term “appropriate  
19 congressional committees” means—

- 20 (A) the congressional defense committees;  
21 (B) the Committee on Homeland Security  
22 and Governmental Affairs of the Senate; and  
23 (C) the Committee on Oversight and Gov-  
24 ernment Reform of the House of Representa-  
25 tives.

1 **SEC. 817. MODIFICATION OF CRITERIA FOR WAIVERS OF**  
2 **REQUIREMENT FOR CERTIFIED COST AND**  
3 **PRICE DATA.**

4 Section 817(b)(2) of the Bob Stump National De-  
5 fense Authorization Act for Fiscal Year 2003 (Public Law  
6 107–314; 10 U.S.C. 2306a note) is amended by striking  
7 “; and” and inserting “; or”.

8 **SEC. 818. SUBCONTRACTING PRICE AND APPROVED PUR-**  
9 **CHASING SYSTEMS.**

10 (a) AMENDMENT.—Section 893 of the Ike Skelton  
11 National Defense Authorization Act for Fiscal Year 2011  
12 (Public Law 111–383; 10 U.S.C. 2302 note) is amend-  
13 ed—

14 (1) in subsection (g), by adding at the end the  
15 following new paragraph:

16 “(5) The term ‘approved purchasing system’  
17 has the meaning given the term in section 44.101 of  
18 the Federal Acquisition Regulation (or any similar  
19 regulation).”; and

20 (2) by adding at the end the following new sub-  
21 section:

22 “(i) CONSENT TO SUBCONTRACT.—If the contractor  
23 on a Department of Defense contract requiring a con-  
24 tracting officer’s written consent prior to the contractor  
25 entering into a subcontract has an approved purchasing  
26 system, the contracting officer may not withhold such con-

1 sent without the written approval of the program man-  
2 ager.”.

3 (b) CONFORMING REGULATIONS.—Not later than  
4 120 days after the date of the enactment of this Act, the  
5 Secretary of Defense shall revise the Defense Federal Ac-  
6 quisition Regulation Supplement to conform with the  
7 amendments to section 893 of the Ike Skelton National  
8 Defense Authorization Act for Fiscal Year 2011 (Public  
9 Law 111–383; 10 U.S.C. 2302 note) made by this section.

10 **SEC. 819. COMPTROLLER GENERAL OF THE UNITED**  
11 **STATES REPORT ON PROGRESS PAYMENT FI-**  
12 **NANCING OF DEPARTMENT OF DEFENSE**  
13 **CONTRACTS.**

14 (a) REPORT REQUIRED.—Not later than 180 days  
15 after the date of the enactment of this Act, the Comp-  
16 troller General of the United States shall submit to the  
17 congressional defense committees a report on the results  
18 of an analysis, conducted by the Comptroller General, of  
19 the effects of current financing levels of Department of  
20 Defense contracts on contractors of the Department and  
21 the budgets of the Department.

22 (b) ELEMENTS.—

23 (1) IN GENERAL.—The report required by sub-  
24 section (a) shall include an analysis and assessment

1 of the impact of the matters specified in paragraph  
2 (2), for both government and business, on—

3 (A) the relationship between financing  
4 amounts and contractor profit; and

5 (B) the willingness of contractors to pur-  
6 sue contracts with the Department.

7 (2) COVERED MATTERS.—The matters specified  
8 in this paragraph are each of the following under  
9 Department contracts:

10 (A) Past changes to progress payment  
11 rates and conditions.

12 (B) Progress payment rates and limita-  
13 tions on progressing for undefinitized contract  
14 actions.

15 **SEC. 820. AUTHORIZATION TO LIMIT FOREIGN ACCESS TO**  
16 **TECHNOLOGY THROUGH CONTRACTS.**

17 The Under Secretary of Defense for Research and  
18 Engineering, or a designee of the Under Secretary, may  
19 include in the terms of any contract that the Under Sec-  
20 retary enters into a provision that—

21 (1) limits access by select persons or organiza-  
22 tions to technology that is the subject of the con-  
23 tract under terms defined by the Under Secretary,  
24 including by limiting such access to specific periods  
25 of time; and

1           (2) if the person or organization violates the re-  
2           quirement described in paragraph (1), the Under  
3           Secretary may require the person or organization to  
4           forfeit intellectual property rights associated with  
5           the contract.

6 **SEC. 821. BRIEFING REQUIREMENT ON SERVICES CON-**  
7                                   **TRACTS.**

8           Not later than 180 days after the date of the enact-  
9           ment of this Act, and every 180 days thereafter until the  
10          requirements of section 2329(b) of title 10, United States  
11          Code, are met, the Under Secretary of Defense for Acqui-  
12          sition and Sustainment shall brief the congressional de-  
13          fense committees on the progress of Department of De-  
14          fense efforts to meet the requirements of such section, in-  
15          cluding relevant information on the methodology and im-  
16          plementation plans for future compliance.

17 **SEC. 822. SENSE OF CONGRESS ON AWARDING OF CON-**  
18                                   **TRACTS TO RESPONSIBLE COMPANIES THAT**  
19                                   **PRIMARILY EMPLOY AMERICAN WORKERS**  
20                                   **AND DO NOT ACTIVELY TRANSFER AMER-**  
21                                   **ICAN JOBS TO POTENTIAL ADVERSARIES.**

22          It is the sense of Congress that the Department of  
23          Defense should award contracts to responsible companies  
24          that primarily employ United States workers or are part-  
25          ners in the national technology and industrial base and

1 do not actively transfer United States jobs to potential ad-  
2 versaries.

3 **Subtitle C—Provisions Relating to**  
4 **Major Defense Acquisition Pro-**  
5 **grams**

6 **SEC. 831. PROGRAM COST, FIELDING, AND PERFORMANCE**

7 **GOALS IN PLANNING MAJOR ACQUISITION**  
8 **PROGRAMS.**

9 Section 2448a of title 10, United States Code, is  
10 amended—

11 (1) in subsection (a)—

12 (A) by striking “Secretary of Defense” and  
13 inserting “designated milestone decision author-  
14 ity for the major defense acquisition program”;  
15 and

16 (B) by striking “the milestone decision au-  
17 thority for the major defense acquisition pro-  
18 gram approves a program that” and inserting  
19 “the program”; and

20 (2) by striking subsection (b).



1 **SEC. 832. IMPLEMENTATION OF RECOMMENDATIONS OF**  
2 **THE INDEPENDENT STUDY ON CONSIDER-**  
3 **ATION OF SUSTAINMENT IN WEAPONS SYS-**  
4 **TEMS LIFE CYCLE.**

5 (a) IMPLEMENTATION REQUIRED.—Not later than  
6 18 months after the date of the enactment of this Act,  
7 the Secretary of Defense shall, except as provided under  
8 subsection (b), commence implementation of each rec-  
9 ommendation submitted as part of the independent assess-  
10 ment produced under section 844 of the National Defense  
11 Authorization Act for Fiscal Year 2017 (Public Law 114–  
12 328; 130 Stat. 2290).

13 (b) EXCEPTIONS.—

14 (1) DELAYED IMPLEMENTATION.—The Sec-  
15 retary of Defense may commence implementation of  
16 a recommendation described under subsection (a)  
17 later than the date required under such subsection  
18 if the Secretary provides the congressional defense  
19 committees with a specific justification for the delay  
20 in implementation of such recommendation.

21 (2) NONIMPLEMENTATION.—The Secretary of  
22 Defense may opt not to implement a recommenda-  
23 tion described under subsection (a) if the Secretary  
24 provides to the congressional defense committees—

25 (A) the reasons for the decision not to im-  
26 plement the recommendation; and

1 (B) a summary of the alternative actions  
2 the Secretary plans to take to address the pur-  
3 poses underlying the recommendation.

4 (c) IMPLEMENTATION PLANS.—For each rec-  
5 ommendation that the Secretary is implementing, or that  
6 the Secretary plans to implement, the Secretary shall sub-  
7 mit to the congressional defense committees—

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

10 (2) a schedule, with specific milestones, for  
11 completing the implementation of the recommenda-  
12 tion.

13 **SEC. 833. PILOT PROGRAM TO ACCELERATE MAJOR WEAP-**  
14 **ONS SYSTEM PROGRAMS.**

15 (a) IN GENERAL.—The Secretary of Defense shall es-  
16 tablish a pilot program to reform and accelerate the con-  
17 tracting and pricing processes associated with contracts  
18 in excess of \$50,000,000 by—

19 (1) basing price reasonableness determinations  
20 on actual cost and pricing data for purchases of the  
21 same or similar products for the Department of De-  
22 fense; and

23 (2) reducing the cost and pricing data to be  
24 submitted in accordance with section 2306a of title  
25 10, United States Code.

1 (b) SUNSET.—The authority to carry out the pilot  
2 program under this section shall expire on January 2,  
3 2021.

## 4 **Subtitle D—Provisions Relating to** 5 **Acquisition Workforce**

### 6 **SEC. 841. PERMANENT AUTHORITY FOR DEMONSTRATION** 7 **PROJECTS RELATING TO ACQUISITION PER-** 8 **SONNEL MANAGEMENT POLICIES AND PRO-** 9 **CEDURES.**

10 (a) PERMANENT AUTHORITY.—Section 1762 of title  
11 10, United States Code, is amended by striking sub-  
12 sections (g) and (h).

13 (b) SCOPE OF AUTHORITY.—Subsection (a) of such  
14 section is amended by striking “COMMENCEMENT.—” and  
15 all that follows through “a demonstration project,” and  
16 inserting “IN GENERAL.—The Secretary of Defense may  
17 carry out demonstration projects”.

### 18 **SEC. 842. ESTABLISHMENT OF INTEGRATED REVIEW TEAM** 19 **ON DEFENSE ACQUISITION INDUSTRY-GOV-** 20 **ERNMENT EXCHANGE.**

21 (a) STUDY.—

22 (1) IN GENERAL.—Not later than 30 days after  
23 the date of the enactment of this Act, the Secretary  
24 of Defense shall direct the Defense Business Board  
25 to convene an integrated review team (in this section

1 referred to as the “exchange team”) to undertake a  
2 study on facilitating the exchange of defense indus-  
3 try personnel on term assignments within the De-  
4 partment of Defense.

5 (2) MEMBER PARTICIPATION.—

6 (A) DEFENSE BUSINESS BOARD.—The  
7 Chairman of the Defense Business Board shall  
8 select six members from the membership of the  
9 Board to participate on the exchange team, in-  
10 cluding one member to lead the team.

11 (B) DEFENSE INNOVATION BOARD.—The  
12 Chairman of the Defense Innovation Board  
13 shall select five appropriate members from the  
14 membership of their Board to participate on the  
15 exchange team.

16 (C) DEFENSE SCIENCE BOARD.—The  
17 Chairman of the Defense Science Board shall  
18 select five appropriate members from the mem-  
19 bership of their Board to participate on the ex-  
20 change team.

21 (D) REQUIRED EXPERIENCE.—The Chair-  
22 men referred to in subparagraphs (a) through  
23 (C) shall ensure that members have significant  
24 legislative or regulatory expertise and reflect di-

1           verse experiences in the public and private sec-  
2           tor.

3           (3) SCOPE.—The study conducted pursuant to  
4           paragraph (1) shall—

5                   (A) review legal, ethical, and financial dis-  
6                   closure requirements for industry-government  
7                   exchanges;

8                   (B) review existing or previous industry-  
9                   government exchange programs such as the De-  
10                  partment of State’s Franklin Fellows Program  
11                  and the Information Technology Exchange Pro-  
12                  gram;

13                  (C) review how the military departments  
14                  address legal, ethical, and financial require-  
15                  ments for members of the reserve components  
16                  who also maintain civilian employment in the  
17                  defense industry;

18                  (D) produce specific and detailed rec-  
19                  ommendations for any legislation, including the  
20                  amendment or repeal of regulations, as well as  
21                  non-legislative approaches, that the members of  
22                  the exchange team conducting the study deter-  
23                  mine necessary to—

1 (i) reduce barriers to industry-govern-  
2 ment exchange to encourage the flow of ac-  
3 quisition best practices;

4 (ii) ensure continuing financial and  
5 ethical integrity; and

6 (iii) protect the best interests of the  
7 Department of Defense; and

8 (E) produce such additional recommenda-  
9 tions for legislation as the members consider  
10 appropriate.

11 (4) ACCESS TO INFORMATION.—The Secretary  
12 of Defense shall provide the exchange team with  
13 timely access to appropriate information, data, re-  
14 sources, and analysis so that the exchange team may  
15 conduct a thorough and independent analysis as re-  
16 quired under this subsection.

17 (b) BRIEFING.—Not later than December 31, 2018,  
18 the exchange team shall provide an interim briefing to the  
19 congressional defense committees on the study conducted  
20 under subsection (a)

21 (c) FINAL REPORT.—Not later than March 1, 2019,  
22 the exchange team shall submit a final report on the study  
23 to the Under Secretary of Defense for Acquisition and  
24 Sustainment and the congressional defense committees.

1 **SEC. 843. EXCHANGE PROGRAM FOR ACQUISITION WORK-**  
2 **FORCE EMPLOYEES.**

3 (a) PROGRAM AUTHORIZED.—The Secretary of De-  
4 fense shall establish an exchange program under which the  
5 Under Secretary of Defense for Acquisition and  
6 Sustainment shall arrange for the temporary assignment  
7 of civilian personnel in the Department of Defense acquisi-  
8 tion workforce.

9 (b) PURPOSES.—The purposes of the exchange pro-  
10 gram established pursuant to subsection (a) are—

11 (1) to familiarize personnel from the acquisition  
12 workforce with the equities, priorities, processes, cul-  
13 ture, and workforce of the acquisition-related de-  
14 fense agencies;

15 (2) to enable participants in the exchange pro-  
16 gram to return the expertise gained through their  
17 exchanges to their original organizations; and

18 (3) to improve communication between and in-  
19 tegration of the organizations that support the pol-  
20 icy, implementation, and oversight of defense acqui-  
21 sition through lasting relationships.

22 (c) PARTICIPANTS.—

23 (1) NUMBER OF PARTICIPANTS.—The Under  
24 Secretary shall select not less than 10 and no more  
25 than 20 participants per year for participation in the  
26 exchange program established under subsection (a).

1           (2) CRITERIA FOR SELECTION.—The Under  
2           Secretary shall select participants for the exchange  
3           program established under subsection (a) from  
4           among mid-career employees and based on—

5                   (A) the qualifications and desire to partici-  
6                   pate in the program of the employee; and

7                   (B) the technical needs and capacities of  
8                   the acquisition workforce, as applicable.

9           (d) TERMS.—Exchanges pursuant to the exchange  
10          program established under subsection (a) shall be for  
11          terms of one to two years, as determined and negotiated  
12          by the Under Secretary. The terms may begin and end  
13          on a rolling basis.

14          (e) GUIDANCE AND IMPLEMENTATION.—

15                  (1) GUIDANCE.—Not later than 90 days after  
16                  the date of the enactment of this Act, the Under  
17                  Secretary shall develop and submit to the congress-  
18                  sional defense committees interim guidance on the  
19                  form and contours of the exchange program estab-  
20                  lished under subsection (a).

21                  (2) IMPLEMENTATION.—Not later than 180  
22                  days after the date of the enactment of this Act, the  
23                  Under Secretary shall implement the guidance devel-  
24                  oped under paragraph (1).



1     **Subtitle E—Provisions Relating to**  
2                     **Commercial Items**

3     **SEC. 851. REPORT ON COMMERCIAL ITEM PROCUREMENT**  
4                     **REFORM.**

5             (a) **REPORT REQUIRED.**—Not later than March 1,  
6 2020, the Assistant Secretary of Defense for Acquisition,  
7 in consultation with members of the Defense Business  
8 Board as appropriate, shall submit to the Committees on  
9 Armed Services of the Senate and the House of Represent-  
10 atives a report on reforms for commercial item procure-  
11 ment.

12            (b) **ELEMENTS.**—The report required under sub-  
13 section (a) shall include the following elements:

14                 (1) A review of recommendations by the inde-  
15 pendent panel created under section 809 of the Na-  
16 tional Defense Authorization Act for Fiscal Year  
17 2016 (Public Law 114–92; 112 Public Law 889)  
18 pertaining to commercial items.

19                 (2) A review of commercial item provisions from  
20 the National Defense Authorization Act for Fiscal  
21 Year 2016 (Public Law 114–92), the National De-  
22 fense Authorization Act for Fiscal Year 2017 (Pub-  
23 lic Law 114–328), the National Defense Authoriza-  
24 tion Act for Fiscal Year 2018 (Public Law 115–91),  
25 and other relevant legislation.

1           (3) An analysis of the extent to which the De-  
2           partment of Defense should treat commercial service  
3           contracts and commercial products in a similar man-  
4           ner.

5           (4) Such other matters with respect to commer-  
6           cial item procurement as the Assistant Secretary  
7           considers appropriate.

## 8 **Subtitle F—Industrial Base Matters**

### 9 **SEC. 861. NATIONAL TECHNOLOGY AND INDUSTRIAL BASE**

#### 10 **APPLICATION PROCESS.**

11           (a) IN GENERAL.—Subchapter II of chapter 148 of  
12 title 10, United States Code, is amended by adding at the  
13 end the following new section:

#### 14 **“§ 2509. National technology and industrial base ap- 15           plication process**

16           “(a) IN GENERAL.—The Secretary of Defense shall  
17 administer a national technology and industrial base appli-  
18 cation process.

19           “(b) ELEMENTS.—The application process required  
20 under subsection (a) shall include the following elements:

21           “(1) The Secretary shall designate an official  
22 within the Office of the Secretary of Defense respon-  
23 sible for administration of the national technology  
24 and industrial base application process and associ-  
25 ated policy.

1           “(2) A person or organization that meets the  
2 definition of national technology and industrial base  
3 under section 2500(1) of this title shall have the op-  
4 portunity to apply for an item to be covered under  
5 the national technology and industrial base. The ap-  
6 plication shall include, at a minimum, the following  
7 information:

8           “(A) Information demonstrating the appli-  
9 cant meets such definition.

10           “(B) The section or sections of this chap-  
11 ter, related to the national technology and in-  
12 dustrial base, that the applicant seeks to mod-  
13 ify.

14           “(C) The applicant’s proposed modifica-  
15 tions to the section or sections identified under  
16 subparagraph (B).

17           “(D) For each item the applicant seeks to  
18 include in the national technology and indus-  
19 trial base, the applicant shall include the fol-  
20 lowing information:

21           “(i) The extent to which such item  
22 has commercial applications.

23           “(ii) The number of such items to be  
24 procured by current programs of record.

1           “(iii) The criticality of such item to a  
2           military unit’s mission accomplishment.

3           “(iv) The estimated cost and other  
4           considerations of reconstituting the manu-  
5           facturing capability of such item, if not  
6           maintained in the national technology and  
7           industrial base.

8           “(v) National security regulations or  
9           restrictions imposed on such item that may  
10          not be imposed on a non-national tech-  
11          nology and industrial base competitor.

12          “(vi) Non-national security-related  
13          Federal, State, and local government regu-  
14          lations imposed on such item that may not  
15          be imposed on a non-national technology  
16          and industrial base competitor.

17          “(vii) The extent to which such item  
18          is fielded in current programs of record.

19          “(viii) The extent to which cost and  
20          pricing data for such item has been  
21          deemed fair and reasonable.

22          “(c) CONSIDERATION OF APPLICATIONS.—

23                 “(1) RESPONSIBILITY OF DESIGNATED OFFI-  
24                 CIAL.—The official designated pursuant to sub-  
25                 section (b)(1) shall be responsible for providing com-

1       plete applications submitted pursuant to this sub-  
2       section to the appropriate component acquisition ex-  
3       ecutive for consideration not later than 15 days after  
4       receipt of such application.

5               “(2) REVIEW.—Not later than 60 days after re-  
6       ceiving a complete application, the component acqui-  
7       sition executive shall review such application, make  
8       a determination, and return the application to the  
9       official designated pursuant to subsection (b)(1).

10              “(3) ELEMENTS OF DETERMINATION.—The de-  
11       termination required under paragraph (2) shall—

12                      “(A) recommend the modification to this  
13       chapter proposed pursuant to subsection  
14       (b)(2)(C);

15                      “(B) recommend the modification to this  
16       chapter proposed pursuant to subsection  
17       (b)(2)(C) with further modifications; or

18                      “(C) not recommend the modification to  
19       this chapter proposed pursuant to subsection  
20       (b)(2)(C).

21              “(4) JUSTIFICATION.—The determination re-  
22       quired under paragraph (2) shall also include the ra-  
23       tionale and justification for the determination.

24              “(d) RECOMMENDATIONS FOR LEGISLATION.—For  
25       applications recommended under subsection (c), the offi-

1 cial designated pursuant to subsection (b)(1) shall be re-  
2 sponsible for preparing a legislative proposal for consider-  
3 ation by the Secretary.”.

4 (b) CLERICAL AMENDMENT.—The table of sections  
5 at the beginning of such subchapter is amended by adding  
6 at the end the following new item:

“2509. National technology and industrial base application process.”.

7 (c) EFFECTIVE DATE.—Section 2509 of title 10,  
8 United States Code, as added by subsection (a), shall take  
9 effect 60 days after the date of the enactment of this Act.

10 **SEC. 862. REPORT ON DEFENSE ELECTRONICS INDUSTRIAL**  
11 **BASE.**

12 (a) IN GENERAL.—Not later than January 31, 2019,  
13 the Secretary of Defense, in consultation with the Execu-  
14 tive Agent for Printed Circuit Board and Interconnect  
15 Technology and the Director of the Office of Management  
16 and Budget, shall submit to Congress a report examining  
17 the health of the defense electronics industrial base, in-  
18 cluding analog and passive electronic parts, substrates,  
19 printed boards, assemblies, connectors, cabling, and re-  
20 lated areas, both domestically and within the national  
21 technology and industrial base.

22 (b) ELEMENTS.—The report required under sub-  
23 section (a) shall include the following elements:

24 (1) An examination of current and planned  
25 partnerships with the commercial industry.

1           (2) Analysis of the current and future defense  
2 electronics industrial base.

3           (3) Threat assessment related to system secu-  
4 rity.

5           (4) An assessment of the health of the engi-  
6 neering and production workforce.

7           (5) A description of the electronics supply chain  
8 requirements of defense systems integral to meeting  
9 the goals of the 2018 National Defense Strategy.

10          (6) Recommended actions to address areas  
11 deemed deficient or vulnerable, and a plan to for-  
12 malize long-term resourcing for the Executive Agent.

13          (7) Any other areas matters determined rel-  
14 evant by the Secretary.

15 **SEC. 863. SUPPORT FOR DEFENSE MANUFACTURING COM-**  
16 **MUNITIES TO SUPPORT THE DEFENSE INDUS-**  
17 **TRIAL BASE.**

18 (a) PROGRAM AUTHORIZED.—

19           (1) IN GENERAL.—The Secretary of Defense  
20 may, in coordination with the Secretary of Com-  
21 merce and working in coordination with the defense  
22 manufacturing institutes, establish within the De-  
23 partment of Defense a program to make long-term  
24 investments in critical skills, infrastructure, research  
25 and development, and small business support in

1 order to strengthen the national security innovation  
2 base by designating and supporting consortiums as  
3 defense manufacturing communities.

4 (2) DESIGNATION.—The program authorized by  
5 this section shall be known as the “Defense Manu-  
6 facturing Community Support Program” (in this  
7 section referred to as the “Program”).

8 (b) DESIGNATION OF DEFENSE MANUFACTURING  
9 COMMUNITIES COMPLEMENTARY TO DEFENSE MANUFAC-  
10 TURING INSTITUTES.—

11 (1) IN GENERAL.—The Secretary of Defense  
12 may designate eligible consortiums as defense manu-  
13 facturing communities through a competitive proc-  
14 ess, and in coordination with the defense manufac-  
15 turing institutes.

16 (2) ELIGIBLE CONSORTIUMS.—The Secretary  
17 may establish eligibility criteria for a consortium to  
18 participate in the Program. In developing such cri-  
19 teria, the Secretary may consider the merits of—

20 (A) including members from academia, de-  
21 fense industry, commercial industry, and State  
22 and local government organizations;

23 (B) supporting efforts in geographical re-  
24 gions that have capabilities in key technologies



1 or industrial base supply chains that are deter-  
2 mined critical to national security;

3 (C) optimal consortium composition and  
4 size to promote effectiveness, collaboration, and  
5 efficiency; and

6 (D) complementarity with defense manu-  
7 facturing institutes.

8 (3) DURATION.—Each designation under para-  
9 graph (1) shall be for a period designated by the  
10 Secretary.

11 (4) RENEWAL.—

12 (A) IN GENERAL.—The Secretary may  
13 renew a designation made under paragraph (1)  
14 for up to two additional two-year periods. Any  
15 designation as a defense manufacturing commu-  
16 nity or renewal of such designation that is in  
17 effect before the date of the enactment of this  
18 Act shall count toward the limit set forth in  
19 this subparagraph.

20 (B) EVALUATION FOR RENEWAL.—The  
21 Secretary shall establish criteria for the renewal  
22 of a consortium. In establishing such criteria,  
23 the Secretary may consider—

1 (i) the performance of the consortium  
2 in meeting the established goals of the  
3 Program;

4 (ii) the progress the consortium has  
5 made with respect to project-specific  
6 metrics, particularly with respect to those  
7 metrics that were designed to help commu-  
8 nities track their own progress;

9 (iii) whether any changes to the com-  
10 position of the eligible consortium or revi-  
11 sions of the plan for the consortium would  
12 improve the capabilities of the defense in-  
13 dustrial base;

14 (iv) the effectiveness of coordination  
15 with defense manufacturing institutes; and

16 (v) such other criteria as the Sec-  
17 retary considers appropriate.

18 (5) APPLICATION FOR DESIGNATION.—An eligi-  
19 ble consortium seeking a designation under para-  
20 graph (1) shall submit an application to the Sec-  
21 retary at such time and in such manner as the Sec-  
22 retary may require. In developing such procedures,  
23 the Secretary may consider the inclusion of—

1 (A) a description of the regional bound-  
2 aries of the consortium, and the defense manu-  
3 facturing capacity of the region;

4 (B) an evidence-based plan for enhancing  
5 the defense industrial base through the efforts  
6 of the consortium;

7 (C) the investments the consortium pro-  
8 poses and the strategy of the consortium to ad-  
9 dress gaps in the defense industrial base;

10 (D) a description of the outcome-based  
11 metrics, benchmarks, and milestones that will  
12 track and the evaluation methods that will be  
13 used to gauge performance of the consortium;

14 (E) how the initiatives will complement de-  
15 fense manufacturing institutes; and

16 (F) such other matters as the Secretary  
17 considers appropriate.

18 (c) FINANCIAL AND TECHNICAL ASSISTANCE.—

19 (1) IN GENERAL.—Under the Program, the  
20 Secretary of Defense may award financial or tech-  
21 nical assistance to a member of a consortium des-  
22 ignated as a defense manufacturing community  
23 under the Program as appropriate for purposes of  
24 the Program.

1           (2) USE OF FUNDS.—A recipient of financial or  
2           technical assistance under the Program may use  
3           such financial or technical assistance to support an  
4           investment that will improve the defense industrial  
5           base.

6           (3) INVESTMENTS SUPPORTED.—Investments  
7           supported under this subsection may include activi-  
8           ties not already provided for by defense manufac-  
9           turing institutes on—

10                   (A) infrastructure;

11                   (B) access to capital;

12                   (C) promotion of exports and foreign direct  
13           investment;

14                   (D) equipment or facility upgrades;

15                   (E) workforce training, retraining, or re-  
16           cruitment and retention, including that of  
17           women and underrepresented minorities;

18                   (F) energy or process efficiency;

19                   (G) business incubators;

20                   (H) site preparation;

21                   (I) advanced research and commercializa-  
22           tion, including with Federal laboratories and  
23           depots;

24                   (J) supply chain development; and

25                   (K) small business assistance.

1 (d) RECEIPT OF TRANSFERRED FUNDS.—The Sec-  
2 retary of Defense may accept amounts transferred to the  
3 Secretary from the head of another agency or a State or  
4 local governmental organization to carry out this section.

## 5 **Subtitle G—Other Transactions**

### 6 **SEC. 871. CHANGE TO NOTIFICATION REQUIREMENT FOR** 7 **OTHER TRANSACTIONS.**

8 Section 2371b(f)(1) of title 10, United States Code,  
9 is amended by inserting after the first sentence the fol-  
10 lowing: “The cost of any such option shall be considered  
11 for purposes of subsection (a)(2) as part of the cost to  
12 the Department of Defense of a transaction (for a proto-  
13 type).”.

### 14 **SEC. 872. DATA AND POLICY ON THE USE OF OTHER TRANS-** 15 **ACTIONS.**

16 (a) COLLECTION AND STORAGE.—The Service Acqui-  
17 sition Executives of the military departments shall collect  
18 data on the use of other transactions by their respective  
19 departments, and the Under Secretary of Defense for Re-  
20 search and Engineering and the Under Secretary of De-  
21 fense for Acquisition and Sustainment shall collect data  
22 on all other use by the Department of Defense of other  
23 transactions, including use by the Defense Agencies. The  
24 data shall be stored in a manner that allows the Assistant  
25 Secretary of Defense for Acquisition access at any time.

1 (b) USE OF DATA.—The Assistant Secretary of De-  
2 fense for Acquisition shall analyze and leverage the data  
3 collected under subsection (a) to update policy and guid-  
4 ance related to the use of other transactions.

5 **Subtitle H—Development and Ac-**  
6 **quisition of Software Intensive**  
7 **and Digital Products and Serv-**  
8 **ices**

9 **SEC. 881. CLARIFICATIONS REGARDING PROPRIETARY AND**  
10 **TECHNICAL DATA.**

11 (a) VALIDATION OF PROPRIETARY DATA RESTRIC-  
12 TIONS.—Section 2321(f) of title 10, United States Code,  
13 is amended—

14 (1) by striking “(1) Except as provided in para-  
15 graph (2), in” and inserting “In”; and

16 (2) by striking paragraph (2).

17 (b) RIGHTS IN TECHNICAL DATA.—Section 2320 of  
18 title 10, United States Code, is amended—

19 (1) by striking subsection (f); and

20 (2) by redesignating subsections (g) and (h) as  
21 subsections (f) and (g), respectively.

1 **SEC. 882. IMPLEMENTATION OF RECOMMENDATIONS OF**  
2 **THE FINAL REPORT OF THE DEFENSE**  
3 **SCIENCE BOARD TASK FORCE ON THE DE-**  
4 **SIGN AND ACQUISITION OF SOFTWARE FOR**  
5 **DEFENSE SYSTEMS.**

6 (a) IMPLEMENTATION REQUIRED.—Not later than  
7 18 months after the date of the enactment of this Act,  
8 the Secretary of Defense shall, except as provided under  
9 subsection (b), commence implementation of each rec-  
10 ommendation submitted as part of the final report of the  
11 Defense Science Board Task Force on the Design and Ac-  
12 quisition of Software for Defense Systems.

13 (b) EXCEPTIONS.—

14 (1) DELAYED IMPLEMENTATION.—The Sec-  
15 retary of Defense may commence implementation of  
16 a recommendation described under subsection (a)  
17 later than the date required under such subsection  
18 if the Secretary provides the congressional defense  
19 committees with a specific justification for the delay  
20 in implementation of such recommendation.

21 (2) NONIMPLEMENTATION.—The Secretary of  
22 Defense may opt not to implement a recommenda-  
23 tion described under subsection (a) if the Secretary  
24 provides to the congressional defense committees—

25 (A) the reasons for the decision not to im-  
26 plement the recommendation; and

1 (B) a summary of the alternative actions  
2 the Secretary plans to take to address the pur-  
3 poses underlying the recommendation.

4 (c) IMPLEMENTATION PLANS.—For each rec-  
5 ommendation that the Secretary is implementing, or that  
6 the Secretary plans to implement, the Secretary shall sub-  
7 mit to the congressional defense committees—

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

10 (2) a schedule, with specific milestones, for  
11 completing the implementation of the recommenda-  
12 tion.

13 **SEC. 883. IMPLEMENTATION OF PILOT PROGRAM TO USE**  
14 **AGILE OR ITERATIVE DEVELOPMENT METH-**  
15 **ODS REQUIRED UNDER SECTION 873 OF THE**  
16 **NATIONAL DEFENSE AUTHORIZATION ACT**  
17 **FOR FISCAL YEAR 2018.**

18 (a) IN GENERAL.—Not later than 30 days after the  
19 date of the enactment of this Act, the Secretary of Defense  
20 shall include the following systems for realignment under  
21 the pilot program to use agile or iterative development  
22 methods pursuant to section 873 of the National Defense  
23 Authorization Act for Fiscal Year 2018 (Public Law 115–  
24 91):



- 1           (1) Global Positioning System Next Generation  
2           Operational Control System (GPS OCX).
- 3           (2) Integrated Air and Missile Defense Battle  
4           Command System (IBCS).
- 5           (3) Command Control Battle Management and  
6           Communications (C2BMC).
- 7           (4) The family of Distributed Common Ground  
8           Systems.
- 9           (5) The family of Global Command and Control  
10          Systems.
- 11          (6) Joint Space Operations Center Mission Sys-  
12          tems (JMS).
- 13          (7) Joint Strike Fighter Autonomic Logistics  
14          Information System (ALIS).
- 15          (8) Electronic Procurement System (ePS).
- 16          (9) Air Force Integrated Personnel and Pay  
17          System (AFIPPS).
- 18          (10) Navy Personnel and Pay (NP2).
- 19          (11) Integrated Personnel and Pay-Army  
20          (IPPS-A).
- 21          (12) Maintenance, Repair, and Overhaul  
22          (MROI).
- 23          (13) Defense Enterprise Accounting Manage-  
24          ment System (DEAMS).
- 25          (14) Army Contract Writing System.

1 (15) Contracting IT System.

2 (16) Defense-wide Electronic Procurement Ca-  
3 pabilities.

4 (b) REVISIONS TO LIST.—The Secretary of Defense  
5 shall notify the congressional defense committees of any  
6 revisions to the list of systems included for realignment  
7 under subsection (a).

8 **SEC. 884. ENABLING AND OTHER ACTIVITIES OF THE**  
9 **CLOUD EXECUTIVE STEERING GROUP.**

10 (a) ACTIVITIES REQUIRED.—Commencing not later  
11 than 90 days after the date of the enactment of this Act,  
12 the Cloud Executive Steering Group (CESG) established  
13 by the Deputy Secretary of Defense in a directive memo-  
14 randum dated September 13, 2017, in order to support  
15 its Joint Enterprise Defense Infrastructure (JEDI) initia-  
16 tive to procure commercial cloud services, shall conduct  
17 certain key enabling activities as follows:

18 (1) **ADVANCED COMMERCIAL NETWORK CAPA-**  
19 **BILITIES.**—Develop an approach to rapidly acquire  
20 advanced commercial network capabilities, including  
21 software-defined networking, on-demand bandwidth,  
22 and aggregated cloud access gateways, through com-  
23 mercial service providers in order—

1 (A) to support the migration of applica-  
2 tions and systems to commercial cloud plat-  
3 forms;

4 (B) to increase visibility of end-to-end per-  
5 formance to enable and enforce service level  
6 agreements for cloud services;

7 (C) to ensure efficient and common cloud  
8 access;

9 (D) to facilitate shifting data and applica-  
10 tions from one cloud platform to another;

11 (E) to improve cybersecurity; and

12 (F) to consolidate networks and achieve ef-  
13 ficiencies and improved performance;

14 (2) WORKLOAD AND MIGRATION ANALYSIS.—  
15 Conduct an analysis of existing workloads that  
16 would be migrated to the Joint Enterprise Defense  
17 Infrastructure, including—

18 (A) identifying all of the cloud initiatives  
19 across the Department of Defense, and deter-  
20 mining the objectives of such initiatives in con-  
21 nection with the intended scope of the Infra-  
22 structure;

23 (B) identifying all the systems and applica-  
24 tions that the Department would intend to mi-  
25 grate to the Infrastructure;

1 (C) conducting rationalization of applica-  
2 tions to identify applications and systems that  
3 may duplicate the processing of workloads in  
4 connection with the Infrastructure; and

5 (D) as result of such actions, arriving at  
6 dispositions about migration or termination of  
7 systems and applications in connection with the  
8 Infrastructure.

9 (b) LIMITATION ON NEW SYSTEMS AND APPLICA-  
10 TIONS.—The Deputy Secretary shall require that no new  
11 system or application will be approved for development or  
12 modernization without an assessment that such system or  
13 application is already, or can and would be, cloud-hosted.

14 (c) INTEGRATION AND SUPPORT.—The Deputy Sec-  
15 retary shall ensure that the activities conducted under  
16 subsection (a) are integrated with and support the plan  
17 of the Department to acquire and migrate to commercial  
18 cloud services.

19 (d) TRANSPARENCY AND COMPETITION.—The Dep-  
20 uty Secretary shall ensure that the acquisition approach  
21 of the Department continues to follow the Federal Acquisi-  
22 tion Regulation, including part 16.504(c) of such regula-  
23 tion, regarding procedures relating to the preference for  
24 multiple awards.

1                   **Subtitle I—Other Matters**

2   **SEC. 891. PROHIBITION ON CERTAIN TELECOMMUNI-**  
3                   **CATIONS SERVICES OR EQUIPMENT.**

4           (a) FINDINGS.—Congress makes the following find-  
5   ings:

6                   (1) In its 2011 “Annual Report to Congress on  
7   Military and Security Developments Involving the  
8   People’s Republic of China”, the Department of De-  
9   fense stated, “China’s defense industry has benefited  
10   from integration with a rapidly expanding civilian  
11   economy and science and technology sector, particu-  
12   larly elements that have access to foreign technology.  
13   Progress within individual defense sectors appears  
14   linked to the relative integration of each, through  
15   China’s civilian economy, into the global production  
16   and R&D chain . . . Information technology compa-  
17   nies in particular, including Huawei, Datang, and  
18   Zhongxing, maintain close ties to the PLA.”.

19                   (2) In a 2011 report titled “The National Secu-  
20   rity Implications of Investments and Products from  
21   the People’s Republic of China in the Telecommuni-  
22   cations Sector”, the United States China Commis-  
23   sion stated that “[n]ational security concerns have  
24   accompanied the dramatic growth of China’s telecom  
25   sector. . . . Additionally, large Chinese companies—

1 particularly those ‘national champions’ prominent in  
2 China’s ‘going out’ strategy of overseas expansion—  
3 are directly subject to direction by the Chinese Com-  
4 munist Party, to include support for PRC state poli-  
5 cies and goals.”.

6 (3) The Commission further stated in its report  
7 that “[f]rom this point of view, the clear economic  
8 benefits of foreign investment in the U.S. must be  
9 weighed against the potential security concerns re-  
10 lated to infrastructure components coming under the  
11 control of foreign entities. This seems particularly  
12 applicable in the telecommunications industry, as  
13 Chinese companies continue systematically to ac-  
14 quire significant holdings in prominent global and  
15 U.S. telecommunications and information technology  
16 companies.”.

17 (4) In its 2011 Annual Report to Congress, the  
18 United States China Commission stated that “[t]he  
19 extent of the state’s control of the Chinese economy  
20 is difficult to quantify . . . There is also a category  
21 of companies that, though claiming to be private, are  
22 subject to state influence. Such companies are often  
23 in new markets with no established SOE leaders and  
24 enjoy favorable government policies that support  
25 their development while posing obstacles to foreign

1 competition. Examples include Chinese telecoms  
2 giant Huawei and such automotive companies as  
3 battery maker BYD and vehicle manufacturers  
4 Geely and Chery.”.

5 (5) General Michael Hayden, who served as Di-  
6 rector of the Central Intelligence Agency and Direc-  
7 tor of the National Security Agency, stated in July  
8 2013 that Huawei had “shared with the Chinese  
9 state intimate and extensive knowledge of foreign  
10 telecommunications systems it is involved with”.

11 (6) The Federal Bureau of Investigation, in a  
12 February 2015 Counterintelligence Strategy Part-  
13 nership Intelligence Note stated that, “[w]ith the ex-  
14 panded use of Huawei Technologies Inc. equipment  
15 and services in U.S. telecommunications service pro-  
16 vider networks, the Chinese Government’s potential  
17 access to U.S. business communications is dramati-  
18 cally increasing. Chinese Government-supported tele-  
19 communications equipment on U.S. networks may be  
20 exploited through Chinese cyber activity, with Chi-  
21 na’s intelligence services operating as an advanced  
22 persistent threat to U.S. networks.”.

23 (7) The FBI further stated in its February  
24 2015 counterintelligence note that “China makes no  
25 secret that its cyber warfare strategy is predicated

1 on controlling global communications network infra-  
2 structure”.

3 (8) At a hearing before the Committee on  
4 Armed Services of the House of Representatives on  
5 September 30, 2015, Deputy Secretary of Defense  
6 Robert Work, responding to a question about the  
7 use of Huawei telecommunications equipment, stat-  
8 ed, “In the Office of the Secretary of Defense, abso-  
9 lutely not. And I know of no other—I don’t believe  
10 we operate in the Pentagon, any [Huawei] systems  
11 in the Pentagon.”.

12 (9) At that hearing, the Commander of the  
13 United States Cyber Command, Admiral Mike Rog-  
14 ers, responding to a question about why such  
15 Huawei telecommunications equipment is not used,  
16 stated, “As we look at supply chain and we look at  
17 potential vulnerabilities within the system, that it is  
18 a risk we felt was unacceptable.”.

19 (10) In March 2017, ZTE Corporation pled  
20 guilty to conspiring to violate the International  
21 Emergency Economic Powers Act by illegally ship-  
22 ping U.S.-origin items to Iran, paying the United  
23 States Government a penalty of \$892,360,064 for  
24 activity between January 2010 and January 2016.



1           (11) The Department of the Treasury’s Office  
2 of Foreign Assets Control issued a subpoena to  
3 Huawei as part of a Federal investigation of alleged  
4 violations of trade restrictions on Cuba, Iran, Sudan,  
5 and Syria.

6           (12) In the bipartisan “Investigative Report on  
7 the United States National Security Issues Posed by  
8 Chinese Telecommunication Companies Huawei and  
9 ZTE” released in 2012 by the Permanent Select  
10 Committee on Intelligence of the House of Rep-  
11 resentatives, it was recommended that “U.S. govern-  
12 ment systems, particularly sensitive systems, should  
13 not include Huawei or ZTE equipment, including in  
14 component parts. Similarly, government contrac-  
15 tors—particularly those working on contracts for  
16 sensitive U.S. programs—should exclude ZTE or  
17 Huawei equipment in their systems.”.

18           (b) PROHIBITION ON USE OR PROCUREMENT.—The  
19 Secretary of Defense may not—

20           (1) procure or obtain or extend or renew a con-  
21 tract to procure or obtain any equipment, system, or  
22 service that uses covered telecommunications equip-  
23 ment or services as a substantial or essential compo-  
24 nent of any system, or as critical technology as part  
25 of any system; or

1           (2) enter into a contract (or extend or renew a  
2           contract) with an entity that uses any equipment,  
3           system, or service that uses covered telecommuni-  
4           cations equipment or services as a substantial or es-  
5           sential component of any system, or as critical tech-  
6           nology as part of any system.

7           (c) EFFECTIVE DATES.—The prohibition under sub-  
8           section (b)(1) shall take effect 180 days after the date of  
9           the enactment of this Act and the prohibition under sub-  
10          section (b)(2) shall take effect three years after the date  
11          of the enactment of this Act.

12          (d) RULE OF CONSTRUCTION.—Nothing in this sec-  
13          tion shall be construed to—

14                (1) prohibit the Secretary of Defense from pro-  
15                curing with an entity to provide a service that con-  
16                nects to the facilities of a third-party, such as  
17                backhaul, roaming, or interconnection arrangements;  
18                or

19                (2) cover telecommunications equipment that  
20                cannot route or redirect user data traffic or permit  
21                visibility into any user data or packets that such  
22                equipment transmits or otherwise handles

23          (e) DEFINITIONS.—In this section:

1           (1) COVERED FOREIGN COUNTRY.—The term  
2 “covered foreign country” means the People’s Re-  
3 public of China.

4           (2) COVERED TELECOMMUNICATIONS EQUIP-  
5 MENT OR SERVICES.—The term “covered tele-  
6 communications equipment or services” means any  
7 of the following:

8           (A) Telecommunications equipment pro-  
9 duced by Huawei Technologies Company or  
10 ZTE Corporation (or any subsidiary or affiliate  
11 of such entities).

12           (B) Telecommunications services provided  
13 by such entities or using such equipment.

14           (C) Telecommunications equipment or  
15 services produced or provided by an entity that  
16 the Secretary of Defense, in consultation with  
17 the Director of the National Intelligence or the  
18 Director of the Federal Bureau of Investiga-  
19 tion, reasonably believes to be an entity owned  
20 or controlled by, or otherwise connected to, the  
21 government of a covered foreign country.

22 **SEC. 892. LIMITATION ON USE OF FUNDS PENDING SUB-**  
23 **MITTAL OF REPORT ON ARMY MARKETING**  
24 **AND ADVERTISING PROGRAM.**

25           (a) REPORT REQUIRED.—

1           (1) IN GENERAL.—Not later than 90 days after  
2 the date of the enactment of this Act, the Secretary  
3 of the Army shall submit to the Committees on  
4 Armed Services of the Senate and House of Rep-  
5 resentatives a report on the recommendations con-  
6 tained in the audit of the Army Audit Agency of the  
7 Army’s Marketing and Advertising Program con-  
8 cerning contract oversight and return on investment.

9           (2) ELEMENTS.—The report required by para-  
10 graph (1) shall address each of the following:

11           (A) The mitigation and oversight measures  
12 implemented to assure improved program re-  
13 turn and contract management, including the  
14 establishment of specific goals to measure long-  
15 term effects of investments in marketing ef-  
16 forts.

17           (B) The establishment of a review process  
18 to regularly evaluate the effectiveness and effi-  
19 ciency of marketing efforts, including efforts to  
20 better support the accessions missions of the  
21 Army.

22           (C) The increase of acquisition and mar-  
23 keting experience within the Army Marketing  
24 and Research Group (in this section referred to  
25 as the “AMRG”).

1 (D) A workforce analysis of AMRG in co-  
2 operation with the Office of Personnel Manage-  
3 ment and industry experts assessing the AMRG  
4 organizational structure, staffing, and training,  
5 including an assessment of the workplace cli-  
6 mate and culture internal to the AMRG.

7 (E) The establishment of an Army Mar-  
8 keting and Advisory Board comprised of senior  
9 Army and marketing and advertising leaders  
10 and an assessment of industry and service mar-  
11 keting and advertising best practices, including  
12 a plan to incorporate relevant practices.

13 (F) The status of the implementation of  
14 contracting practices recommended by the  
15 Army Audit Agency's audit of contracting over-  
16 sight of AMRG contained in Audit Report A-  
17 2018-0033-MTH.

18 (b) LIMITATION ON USE OF FUNDS.—Not more than  
19 50 percent of the amounts authorized to be appropriated  
20 by this Act or otherwise made available for the AMRG  
21 for fiscal year 2019 for advertising and marketing activi-  
22 ties may be obligated or expended until the Secretary of  
23 the Army submits the report required under subsection  
24 (a).

1           (c) COMPTROLLER GENERAL REVIEW.—Not later  
2 than 90 days after the date of the submittal of the report  
3 required under subsection (a), the Comptroller General of  
4 the United States shall conduct a review of the results  
5 and implementation of the recommendations of the Army  
6 Audit Agency Audits of the AMRG on contract oversight  
7 and return on investment. The review shall include an as-  
8 sessment of the effects of the implementation of the rec-  
9 ommendations on the AMRG leadership, workforce, and  
10 business practices, and return on investment.

11 **SEC. 893. PERMANENT SBIR AND STTR AUTHORITY FOR**  
12 **THE DEPARTMENT OF DEFENSE.**

13           Section 9 of the Small Business Act (15 U.S.C. 638)  
14 is amended—

15           (1) in subsection (m), by inserting “, except  
16 with respect to the Department of Defense” after  
17 “September 30, 2022”; and

18           (2) in subsection (n)(1)(A)—

19           (A) by inserting “(or, with respect to the  
20 Department of Defense, any fiscal year)” after  
21 “2022”; and

22           (B) by inserting “(or, with respect to the  
23 Department of Defense, for any fiscal year)”  
24 after “for that fiscal year”.

1 **SEC. 894. PROCUREMENT OF TELECOMMUNICATIONS SUP-**  
2 **PLIES FOR EXPERIMENTAL PURPOSES.**

3 Section 2373 of title 10, United States Code, is  
4 amended by inserting “telecommunications,” after “space  
5 flight,”.

6 **SEC. 895. ACCESS BY DEVELOPMENTAL AND OPERATIONAL**  
7 **TESTING ACTIVITIES TO DATA REGARDING**  
8 **MODELING AND SIMULATION ACTIVITY.**

9 (a) **IN GENERAL.**—Section 139(e) of title 10, United  
10 States Code, is amended by adding at the end the fol-  
11 lowing new paragraph:

12 “(4) The Director shall have prompt access to all  
13 data regarding modeling and simulation activity proposed  
14 to be used by military departments and defense agencies  
15 in support of operational or live fire test and evaluation  
16 of military capabilities. This access shall include data as-  
17 sociated with verification, validation, and accreditation ac-  
18 tivities.”.

19 (b) **ADDITIONAL TESTING DATA.**—Developmental  
20 Test and Evaluation activities under the leadership of the  
21 Under Secretary of Defense for Research and Engineering  
22 and the Under Secretary of Defense for Acquisition and  
23 Sustainment shall have prompt access to all data regard-  
24 ing modeling and simulation activity proposed to be used  
25 by military departments and defense agencies in support  
26 of developmental test and evaluation of military capabili-

1 ties. This access shall include data associated with  
2 verification, validation, and accreditation activities.

3 **TITLE IX—DEPARTMENT OF DE-**  
4 **FENSE ORGANIZATION AND**  
5 **MANAGEMENT**

6 **Subtitle A—Office of the Secretary**  
7 **of Defense and Related Matters**

8 **SEC. 901. POWERS AND DUTIES OF THE UNDER SECRETARY**  
9 **OF DEFENSE FOR RESEARCH AND ENGINEER-**  
10 **ING IN CONNECTION WITH PRIORITY EMERG-**  
11 **ING TECHNOLOGIES.**

12 (a) IN GENERAL.—In carrying out duties under sec-  
13 tion 133a of title 10, United States Code, in connection  
14 with the National Defense Strategy of the Department of  
15 Defense of 2018, the Under Secretary of Defense for Re-  
16 search and Engineering shall have the authority to direct  
17 the Secretaries of the military departments, and the heads  
18 of all other elements of the Department of Defense with  
19 regard to matters for which the Under Secretary has re-  
20 sponsibility, with respect to programs, projects, and activi-  
21 ties in connection with technology areas given priority, in-  
22 cluding technology areas as follows:

- 23 (1) Directed energy.  
24 (2) Hypersonics.  
25 (3) Artificial intelligence.



1 (4) Future space satellite architectures.

2 (b) DIRECTION OF SECRETARY OF DEFENSE.—

3 (1) IN GENERAL.—The Under Secretary shall  
4 carry out any powers and duties under this section  
5 under the authority, direction, and control of the  
6 Secretary.

7 (2) CONSTRUCTION OF AUTHORITY.—Nothing  
8 in this section may be construed as altering or revis-  
9 ing the authority, direction, and control of the  
10 Under Secretary by the Secretary of Defense and  
11 the Deputy Secretary of Defense.

12 (c) SATELLITE ARCHITECTURES.—

13 (1) NO DIRECTIONAL AUTHORITY FOR SPACE  
14 LAUNCH VEHICLES.—The authority in subsection (a)  
15 with respect to future space satellite architectures  
16 does not include the following:

17 (A) Authority for space launch vehicles.

18 (B) Authority for direction of the Evolved  
19 Expendable Launch Vehicle program, including  
20 any program, project, or activity relating to the  
21 Next Generation Launch System.

22 (2) FINAL DECISIONAL AUTHORITY ON ARCHI-  
23 TECTURES.—The Deputy Secretary of Defense shall  
24 have final decisional authority over any decision on  
25 future space satellite architecture under the author-

1       ity in subsection (a). The Deputy Secretary shall ex-  
2       ercise such final decisional authority in consultation  
3       with the Secretaries of the military departments.

4       (d) COORDINATION.—In executing powers and duties  
5       under this section, the Under Secretary shall consult with  
6       appropriate officials of the military departments and the  
7       Defense Agencies in order to maximize support of effective  
8       and efficient execution of the National Defense Strategy  
9       referred to in subsection (a).

10       (e) EXPIRATION.—The authority of the Under Sec-  
11       retary under this section shall expire on the date that is  
12       one year after the date of the enactment of this Act.

13       **SEC. 902. REDESIGNATION AND MODIFICATION OF RESPON-**  
14                               **SIBILITIES OF UNDER SECRETARY OF DE-**  
15                               **FENSE FOR PERSONNEL AND READINESS.**

16       (a) REDESIGNATION AND RESPONSIBILITIES AS  
17       UNDER SECRETARY OF DEFENSE FOR PERSONNEL.—

18               (1) IN GENERAL.—Section 136 of title 10,  
19       United States Code, is amended—

20                       (A) by striking “and Readiness” each  
21       place it appears; and

22                       (B) by striking subsection (d).

23               (2) HEADING AMENDMENT.—The heading of  
24       such section is amended to read as follows:

1 **“§ 136. Under Secretary of Defense for Personnel”.**

2 (b) DESIGNATION AS CHIEF HUMAN CAPITAL OFFI-  
3 CER.—Such section is further amended—

4 (1) by inserting “(1)” after “(b)”; and

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

7 “(2) The Under Secretary is the Chief Human Cap-  
8 ital Officer of the Department of Defense for purposes of  
9 chapter 14 of title 5.”.

10 (c) CLERICAL AMENDMENT.—The table of sections  
11 at the beginning of chapter 4 of such title is amended by  
12 striking the item relating to section 136 and inserting the  
13 following new item:

“136. Under Secretary of Defense for Personnel.”.

14 (d) OTHER CONFORMING AMENDMENTS.—

15 (1) TITLE 10, UNITED STATES CODE.—Title 10,  
16 United States Code, is further amended as follows:

17 (A) In section 131(b)(3), by striking sub-  
18 paragraph (E) and inserting the following new  
19 subparagraph (E):

20 “(D) The Undersecretary of Defense for  
21 Personnel.”.

22 (B) In section 137(c), by striking “and  
23 Readiness”.

24 (2) EXECUTIVE SCHEDULE LEVEL III.—Section  
25 5314 of title 5, United States Code, is amended by

1 striking the item relating to the Under Secretary of  
2 Defense for Personnel and Readiness and inserting  
3 the following new item:

4 “Under Secretary of Defense for Personnel.”.

5 (e) REFERENCES.—Any reference to the Under Sec-  
6 retary of Defense for Personnel and Readiness in any law,  
7 regulation, map, document, record, or other paper of the  
8 United States shall be deemed to be a reference to the  
9 Under Secretary of Defense for Personnel.

10 **SEC. 903. MODIFICATION OF RESPONSIBILITIES OF THE**  
11 **UNDER SECRETARY OF DEFENSE FOR POL-**  
12 **ICY.**

13 (a) IN GENERAL.—Paragraph (2) of section 134(b)  
14 of title 10, United States Code, is amended to read as  
15 follows:

16 “(2) The Under Secretary shall assist the Secretary  
17 of Defense in the following:

18 “(A) Preparing the National Defense Strategy,  
19 as required by section 113 of this title.

20 “(B) Preparing policy guidance for the prepara-  
21 tion of campaign and contingency plans by the com-  
22 manders of the combatant commands, and in review-  
23 ing such plans.

24 “(C) Preparing policy guidance for the develop-  
25 ment of the global force posture.

1           “(D) Preparing policy guidance to direct the  
2           formulation of program and budget requests by the  
3           military departments and other elements of the De-  
4           partment of Defense, and reviewing such requests in  
5           the annual planning, programming, and budget proc-  
6           ess.

7           “(E) Developing planning scenarios that de-  
8           scribe the present and future strategic and oper-  
9           ational environments by which to assess joint force  
10          capabilities and readiness.

11          “(F) Developing specific outcomes that the  
12          joint force should be ready to achieve and con-  
13          ducting assessments of the readiness of the joint  
14          force to achieve such outcomes.

15          “(G) Devising specific criteria to direct reviews  
16          by the Director of Cost Assessment and Program  
17          Evaluation of the implementation of the capability  
18          and readiness priorities of the Secretary.”.

19          (b) EFFECTIVE DATE.—The amendment made by  
20          subsection (a) shall take effect on February 1, 2019.

1 **SEC. 904. REPORT ON ALLOCATION OF FORMER RESPON-**  
2 **SIBILITIES OF THE UNDER SECRETARY OF**  
3 **DEFENSE FOR ACQUISITION, TECHNOLOGY,**  
4 **AND LOGISTICS.**

5 Not later than March 1, 2019, the Secretary of De-  
6 fense shall submit to the Committees on Armed Services  
7 of the Senate and the House of Representatives a report  
8 setting forth the following:

9 (1) A list of each provision of law, whether  
10 within or outside title 10, United States Code, in  
11 force as of the date of the report that, as of that  
12 date, assigns a duty, responsibility, or other require-  
13 ment to the Under Secretary of Defense for Acquisi-  
14 tion, Technology, and Logistics.

15 (2) For each duty, responsibility, or other re-  
16 quirement specified in a provision of law listed pur-  
17 suant to paragraph (1), the allocation of such duty,  
18 responsibility, or requirement within the Department  
19 of Defense, including—

20 (A) solely to the Under Secretary of De-  
21 fense for Research and Engineering;

22 (B) solely to the Under Secretary of De-  
23 fense for Acquisition and Sustainment;

24 (C) on a shared basis between the Under  
25 Secretary of Defense for Research and Engi-

1           neering and the Under Secretary of Defense for  
2           Acquisition and Sustainment;

3           (D) solely to another official or organiza-  
4           tion of the Department;

5           (E) on a shared basis between other offi-  
6           cials and organizations of the Department; or

7           (F) not allocated.

8 **SEC. 905. ASSISTANT SECRETARY OF DEFENSE FOR STRAT-**  
9           **EGY, PLANS, ASSESSMENTS, READINESS, AND**  
10           **CAPABILITIES.**

11           (a) IN GENERAL.—Section 138(b) of title 10, United  
12 States Code, is amended by adding at the end the fol-  
13 lowing new paragraph:

14           “(5)(A) One of the Assistant Secretaries is the As-  
15 sistant Secretary of Defense for Strategy, Plans, Assess-  
16 ments, Readiness and Capabilities.

17           “(B) The principal duty of the Assistant Secretary  
18 shall be to support the Secretary of Defense in developing  
19 the National Defense Strategy (as required by section 113  
20 of this title) and related policy guidance for the campaign  
21 and contingency plans, force development and defense pos-  
22 ture priorities, and readiness objectives required to execute  
23 the Strategy.

24           “(C) Subject to the authority, direction, and control  
25 of the Secretary and the Under Secretary of Defense for

1 Policy, the Assistant Secretary shall be responsible for the  
2 following:

3 “(i) In matters relating to strategy and force  
4 planning, the following:

5 “(I) Supporting the Secretary and the  
6 Under Secretary in preparing the National De-  
7 fense Strategy.

8 “(II) Producing policy guidance to direct  
9 the formulation of program and budget requests  
10 by the military departments and other elements  
11 of the Department, including the Defense Plan-  
12 ning Guidance as required by section 113 of  
13 this title, and review such program and budget  
14 requests.

15 “(III) Proposing alternative force sizes and  
16 structures, joint capabilities and concepts, and  
17 roles and missions for the armed forces to in-  
18 form the development of annual program and  
19 budget requests.

20 “(ii) In matters relating to plans and force pos-  
21 ture, the following:

22 “(I) Supporting the Secretary and the  
23 Under Secretary in producing policy guidance  
24 to inform the development of campaign and  
25 contingency plans by the commanders of the



1 combatant commands, including the Contin-  
2 gency Planning Guidance for Employment of  
3 the Force and the Global Defense Posture Re-  
4 port as required by section 113 of this title, and  
5 reviewing such plans.

6 “(II) Advising the Secretary and the  
7 Under Secretary on alternative concepts for the  
8 employment and posture of the joint force to  
9 align with the National Defense Strategy and  
10 other approved policy guidance of the Secretary.

11 “(iii) In matters relating to assessments, the  
12 following:

13 “(I) Developing planning scenarios that  
14 describe the present and future strategic and  
15 operational environments by which to assess  
16 joint force capabilities and readiness.

17 “(II) Producing detailed assessments at  
18 the strategic, campaign, and mission levels (in-  
19 cluding through war games) to evaluate the  
20 present and future capability and readiness of  
21 the armed forces to conduct joint military cam-  
22 paigns or competitions that are prioritized in  
23 approved policy guidance of the Secretary.

24 “(III) Devising specific criteria to direct  
25 reviews by the Director of Cost Assessment and

1 Program Evaluation of the implementation of  
2 the capability and readiness priorities estab-  
3 lished in approved policy guidance of the Sec-  
4 retary.

5 “(iv) In matters relating to readiness, the fol-  
6 lowing:

7 “(I) Describing the strategic, campaign,  
8 and mission outcomes that the joint force  
9 should be ready to achieve and by which joint  
10 force readiness will be assessed, in accordance  
11 with approved strategic guidance of the Sec-  
12 retary.

13 “(II) Conducting assessments of the readi-  
14 ness of the joint force to perform the missions  
15 prioritized in the National Defense Strategy  
16 and other approved policy guidance of the Sec-  
17 retary, including through the observation of  
18 military training and exercises.

19 “(v) In matters relating to strategic capabili-  
20 ties, developing and supervising policy, program  
21 planning and execution, and allocation and use of re-  
22 sources for any strategic capabilities designated by  
23 the Under Secretary.”.

24 (b) EFFECTIVE DATE.—The amendment made by  
25 this section shall take effect on February 1, 2019.

1 **SEC. 906. CLARIFICATION OF RESPONSIBILITIES AND DU-**  
2 **TIES OF THE CHIEF INFORMATION OFFICER**  
3 **OF THE DEPARTMENT OF DEFENSE.**

4 Section 142(b)(1) of title 10, United States Code, is  
5 amended—

6 (1) in subparagraph (A), by inserting “(other  
7 than with respect to business systems and manage-  
8 ment)” after “sections 3506(a)(2)”;

9 (2) in subparagraph (B), by striking “section  
10 11315 of title 40” and inserting “sections 11315  
11 and 11319 of title 40 (other than with respect to  
12 business systems and management)”;

13 (3) in subparagraph (C), by striking “sections  
14 2222, 2223(a), and 2224 of this title” and inserting  
15 “sections 2223(a) (other than with respect to busi-  
16 ness systems and management) and 2224 of this  
17 title”.

18 **SEC. 907. SPECIFICATION OF CERTAIN DUTIES OF THE DE-**  
19 **FENSE TECHNICAL INFORMATION CENTER.**

20 (a) **IN GENERAL.**—In addition to any other duties  
21 specified for the Defense Technical Information Center by  
22 law, regulation, or Department of Defense directive or in-  
23 struction, the duties of the Center shall include the fol-  
24 lowing:



1 or its functions, responsibilities, or activities have  
2 been transferred;

3 (2) submits to the congressional defense com-  
4 mittees—

5 (A) a plan to replicate and manage such  
6 functions, responsibilities, and activities else-  
7 where; and

8 (B) if the Secretary decides that the Stra-  
9 tegic Capabilities Office, or subsequent entity,  
10 should report to an official other than the  
11 Under Secretary for Research and Engineering,  
12 a justification for such decision.

13 (b) KEY FUNCTIONS.—The key functions of the of-  
14 fice referred to in subsection (a)(1) are the following:

15 (1) Repurposing existing Government and com-  
16 mercial systems for new technological advantage.

17 (2) Developing novel concepts of operation that  
18 are lower cost, more effective, and more responsive  
19 to changing threats than traditional concepts of op-  
20 eration.

21 (3) Developing joint systems and concepts of  
22 operations to meet emerging threats and military re-  
23 quirements based on partnerships with the military  
24 services and combatant commanders.

1           (4) Developing prototypes and new concepts of  
2 operations that can inform the development of re-  
3 quirements and the establishment of acquisition pro-  
4 grams.

5           (5) Such other functions as the Secretary con-  
6 siders appropriate.

7 **SEC. 909. TECHNICAL CORRECTIONS TO DEPARTMENT OF**  
8 **DEFENSE TEST RESOURCE MANAGEMENT**  
9 **CENTER AUTHORITY.**

10 Section 196 of title 10, United States Code, is  
11 amended in subsections (c)(1)(B) and (g) by striking  
12 “Under Secretary of Defense for Acquisition, Technology,  
13 and Logistics” and inserting “Under Secretary of Defense  
14 for Research and Engineering”.

15 **Subtitle B—Organization and Man-**  
16 **agement of Other Department of**  
17 **Defense Offices and Elements**

18 **SEC. 921. MODIFICATION OF CERTAIN RESPONSIBILITIES**  
19 **OF THE CHAIRMAN OF THE JOINT CHIEFS OF**  
20 **STAFF RELATING TO JOINT FORCE CONCEPT**  
21 **DEVELOPMENT.**

22 Subparagraph (D) of section 153(a)(6) of title 10,  
23 United States Code, is amended to read as follows:

24           “(D) formulating policies for development  
25 and experimentation on both urgent and long-

1 term concepts for the joint employment of the  
2 armed forces, including establishment of a pro-  
3 cess within the Joint Staff for—

4 “(i) analyzing and prioritizing gaps in  
5 capabilities that could potentially be ad-  
6 dressed by joint concept development using  
7 existing or modified joint force capabilities;  
8 and

9 “(ii) ensuring that such joint concepts  
10 are tested, assessed and, if appropriate,  
11 fielded to support the joint force;”.

12 **SEC. 922. ASSISTANT SECRETARY OF DEFENSE FOR SPE-**  
13 **CIAL OPERATIONS AND LOW-INTENSITY CON-**  
14 **Flict REVIEW OF UNITED STATES SPECIAL**  
15 **OPERATIONS COMMAND.**

16 (a) REVIEW REQUIRED.—The Assistant Secretary of  
17 Defense for Special Operations and Low-Intensity Conflict  
18 shall, in coordination with the Commander of the United  
19 States Special Operations Command, conduct a com-  
20 prehensive review of the United States Special Operations  
21 Command for purposes of ensuring that the institutional  
22 and operational capabilities of special operations forces  
23 are appropriate to counter anticipated future threats  
24 across the spectrum of conflict.

1 (b) SCOPE OF REVIEW.—The review required by sub-  
2 section (a) shall include, at a minimum, the following:

3 (1) An assessment of the adequacy of special  
4 operations forces doctrine, organization, training,  
5 materiel, education, personnel, and facilities to im-  
6 plement the 2018 National Defense Strategy, and  
7 recommendations, if any, for modifications for that  
8 purpose.

9 (2) An assessment of the roles and responsibil-  
10 ities of special operations forces as assigned by law,  
11 Department of Defense guidance, or other formal  
12 designation and recommendations, if any, for addi-  
13 tions to or divestitures of such roles or responsibil-  
14 ities.

15 (3) An assessment of the adequacy of the proc-  
16 esses through which the United States Special Oper-  
17 ations Command evaluates and prioritizes the re-  
18 quirements at the geographic combatant commands  
19 for special operations forces and special operations-  
20 unique capabilities and makes recommendations on  
21 the allocation of special operations forces and special  
22 operations-unique capabilities to meet such require-  
23 ments, and recommendations, if any, for modifica-  
24 tions of such processes.



1           (4) Any other matters the Assistant Secretary  
2 considers appropriate.

3           (c) DEADLINES.—

4           (1) COMPLETION OF REVIEW.—The review re-  
5 quired by subsection (a) shall be completed by not  
6 later than 270 days after the date of the enactment  
7 of this Act.

8           (2) REPORT.—Not later than 30 days after  
9 completion of the review, the Assistant Secretary  
10 shall submit to the congressional defense committees  
11 a report on the review, including the findings and  
12 any recommendations of the Assistant Secretary as  
13 a result of the review.

14 **SEC. 923. QUALIFICATIONS FOR APPOINTMENT AS DEPUTY**  
15 **CHIEF MANAGEMENT OFFICER OF A MILI-**  
16 **TARY DEPARTMENT.**

17           (a) DEPARTMENT OF THE ARMY.—An individual may  
18 not be appointed as Deputy Chief Management Officer of  
19 the Department of the Army unless the individual—

20           (1) has significant experience in business oper-  
21 ations or management in the public sector; or

22           (2) has significant experience managing an en-  
23 terprise in the private sector.

1 (b) DEPARTMENT OF THE NAVY.—An individual may  
2 not be appointed as Deputy Chief Management Officer of  
3 the Department of the Navy unless the individual—

4 (1) has significant experience in business oper-  
5 ations or management in the public sector; or

6 (2) has significant experience managing an en-  
7 terprise in the private sector.

8 (c) DEPARTMENT OF THE AIR FORCE.—An indi-  
9 vidual may not be appointed as Deputy Chief Management  
10 Officer of the Department of the Air Force unless the indi-  
11 vidual—

12 (1) has significant experience in business oper-  
13 ations or management in the public sector; or

14 (2) has significant experience managing an en-  
15 terprise in the private sector.

16 **SEC. 924. EXPANSION OF PRINCIPAL DUTIES OF ASSISTANT**  
17 **SECRETARY OF THE NAVY FOR RESEARCH,**  
18 **DEVELOPMENT, AND ACQUISITION.**

19 Section 5016(b)(4)(A) of title 10, United States  
20 Code, is amended by striking “and acquisition matters”  
21 and inserting “acquisition, and sustainment (including  
22 maintenance) matters”.

23 **SEC. 925. CROSS-FUNCTIONAL TEAMS IN THE DEPARTMENT**  
24 **OF DEFENSE.**

25 (a) ESTABLISHMENT OF CERTAIN TEAMS.—

1           (1) IN GENERAL.—Among the cross-functional  
2 teams established by the Secretary of Defense pur-  
3 suant to subsection (c) of section 911 of the Na-  
4 tional Defense Authorization Act for Fiscal Year  
5 2017 (Public Law 114–328; 130 Stat. 2345; 10  
6 U.S.C. 111 note) in support of the organizational  
7 strategy for the Department of Defense required by  
8 subsection (a) of that section, the Secretary shall es-  
9 tablish a cross-functional team on each matter as  
10 follows:

11                   (A) Electronic warfare.

12                   (B) Personnel security.

13                   (C) Close combat lethality.

14           (2) ESTABLISHMENT AND ACTIVITIES.—Each  
15 cross-functional team established pursuant to para-  
16 graph (1) shall be established in accordance with  
17 subsection (c) of section 911 of the National De-  
18 fense Authorization Act for Fiscal Year 2017, and  
19 shall be governed in its activities in accordance with  
20 the provisions of such subsection (c).

21           (3) DEADLINE FOR ESTABLISHMENT.—The  
22 cross-functional teams required by paragraph (1)  
23 shall be established by not later than 90 days after  
24 the date of the enactment of this Act.

1 (b) ADDITIONAL CROSS-FUNCTIONAL TEAMS MAT-  
2 TERS.—

3 (1) CRITERIA FOR DISTINGUISHING AMONG  
4 CROSS-FUNCTIONAL TEAMS.—Not later than 60 days  
5 after the date of the enactment of this Act, the Sec-  
6 retary shall issue criteria that distinguish cross-func-  
7 tional teams under section 911 of the National De-  
8 fense Authorization Act for Fiscal Year 2017 from  
9 other types of cross-functional working groups, com-  
10 mittees, integrated product teams, and task forces of  
11 the Department.

12 (2) PRIMARY RESPONSIBILITY FOR IMPLEMEN-  
13 TATION OF TEAMS.—The Deputy Secretary of De-  
14 fense shall establish or designate an office within the  
15 Department that shall have primary responsibility  
16 for implementing section 911 of the National De-  
17 fense Authorization Act for Fiscal Year 2017.

18 **SEC. 926. DEADLINE FOR COMPLETION OF FULL IMPLE-**  
19 **MENTATION OF REQUIREMENTS IN CONNEX-**  
20 **ION WITH ORGANIZATION OF THE DEPART-**  
21 **MENT OF DEFENSE FOR MANAGEMENT OF**  
22 **SPECIAL OPERATIONS FORCES AND SPECIAL**  
23 **OPERATIONS.**

24 The Secretary of Defense shall ensure that the imple-  
25 mentation of section 922 of the National Defense Author-

1 ization Act for Fiscal Year 2017 (Public Law 114–328;  
2 130 Stat. 2354) and the amendments made by that sec-  
3 tion is fully complete by not later than 90 days after the  
4 date of the enactment of this Act.

5 **Subtitle C—Organization and Man-**  
6 **agement of the Department of**  
7 **Defense Generally**

8 **SEC. 931. LIMITATION ON AVAILABILITY OF FUNDS FOR**  
9 **MAJOR HEADQUARTERS ACTIVITIES OF THE**  
10 **DEPARTMENT OF DEFENSE.**

11 (a) IN GENERAL.—Chapter 2 of title 10, United  
12 States Code, is amended by inserting after section 117 the  
13 following new section:

14 **“§ 118. Major headquarters activities: limitation on**  
15 **funds available**

16 “(a) OVERALL LIMITATION.—In any fiscal year after  
17 fiscal year 2020, the aggregate amount that may be obli-  
18 gated and expended on major headquarters activities may  
19 not exceed an amount equal to 1.6 percent of the average  
20 amount authorized to be appropriated for the Department  
21 of Defense (including for overseas contingency operations)  
22 over the 10 fiscal years ending with the preceding fiscal  
23 year.

24 “(b) LIMITATIONS ON AVAILABILITY FOR PAR-  
25 TICULAR ACTIVITIES.—Within the amount available for a

1 fiscal year pursuant to subsection (a), amounts shall be  
2 available as follows:

3           “(1) For the Office of the Secretary of Defense,  
4           not more than an amount equal to 0.4 percent of the  
5           average amount authorized to be appropriated for  
6           the Department of Defense (including for overseas  
7           contingency operations) over the 10 fiscal years end-  
8           ing with the preceding fiscal year.

9           “(2) For the major headquarters activities of a  
10          military department, not more than an amount equal  
11          to 1 percent of the average amount authorized to be  
12          appropriated for the Department of Defense (includ-  
13          ing for overseas contingency operations) for such  
14          military department over the 10 fiscal years ending  
15          with the preceding fiscal year.

16          “(c) DISTRIBUTION OF REMAINING FUNDS.—Any  
17          funds available in a fiscal year for major headquarters ac-  
18          tivities under subsection (a) after the operation of sub-  
19          section (b) in connection with such fiscal year may be dis-  
20          tributed for availability by the Secretary of Defense among  
21          any major headquarters activities other than the Office of  
22          the Secretary of Defense.

23          “(d) DEFINITIONS.—In this section:

24                 “(1) The term ‘major headquarters activities’  
25                 has the meaning given the term ‘major Department

1 of Defense headquarters activities’ in section  
 2 346(b)(3) of the National Defense Authorization Act  
 3 for Fiscal Year 2016 (10 U.S.C. 111 note).

4 “(2) The term ‘major headquarters activities of  
 5 a military department’ means the following:

6 “(A) In the case of the Army, the Office  
 7 of the Secretary of the Army and the Army  
 8 Staff.

9 “(B) In the case of the Navy, the Office of  
 10 the Secretary of the Navy, the Office of the  
 11 Chief of Naval Operations, and Headquarters,  
 12 Marine Corps.

13 “(C) In the case of the Air Force, the Of-  
 14 fice of the Secretary of the Air Force and the  
 15 Air Staff.

16 “(3) The term ‘Office of the Secretary of De-  
 17 fense’ includes the Joint Staff.”.

18 (b) CLERICAL AMENDMENT.—The table of sections  
 19 at the beginning of chapter 2 of such title is amended by  
 20 inserting after the item relating to section 117 the fol-  
 21 lowing new item:

“118. Major headquarters activities: limitation on funds available.”.

22 **SEC. 932. RESPONSIBILITY FOR POLICY ON CIVILIAN CAS-**  
 23 **UALTY MATTERS.**

24 (a) DESIGNATION OF SENIOR CIVILIAN OFFICIAL.—  
 25 Not later than 90 days after the date of the enactment

1 of this Act, the Under Secretary of Defense for Policy  
2 shall designate a senior civilian official of the Department  
3 of Defense at or above the level of Assistant Secretary of  
4 Defense to develop, coordinate, and oversee compliance  
5 with the policy of the Department relating to civilian cas-  
6 ualties resulting from United States military operations.

7 (b) RESPONSIBILITIES.—The senior civilian official  
8 designated under subsection (a) shall ensure that the pol-  
9 icy referred to in that subsection provides for—

10 (1) uniform processes and standards across the  
11 combatant commands for accurately recording ki-  
12 netic strikes by the United States military;

13 (2) the development and dissemination of best  
14 practices for reducing the likelihood of civilian cas-  
15 ualties from United States military operations;

16 (3) the development of a publicly available  
17 Internet portal for the submittal of allegations of ci-  
18 vilian casualties resulting from United States mili-  
19 tary operations;

20 (4) uniform processes and standards across the  
21 combatant commands for reviewing and inves-  
22 tigating allegations of civilian casualties resulting  
23 from United States military operations, including  
24 the consideration of relevant information from all  
25 available sources;



1           (5) uniform processes and standards across the  
2 combatant commands for—

3           (A) acknowledging the responsibility of the  
4 United States military for civilian casualties re-  
5 sulting from United States military operations;  
6 and

7           (B) offering ex gratia payments to civilians  
8 who have been injured, or to the families of ci-  
9 vilians killed, as a result of United States mili-  
10 tary operations, as determined to be necessary  
11 by the designated senior civilian official;

12          (6) regular engagement with relevant intergov-  
13 ernmental and nongovernmental organizations; and

14          (7) public affairs guidance with respect to mat-  
15 ters relating to civilian casualties alleged or con-  
16 firmed to have resulted from United States military  
17 operations; and

18          (8) such other matters with respect to civilian  
19 casualties resulting from United States military op-  
20 erations as the designated senior civilian official con-  
21 siders appropriate.

22          (c) REPORT.—Not later than 180 days after the date  
23 of the enactment of this Act, the senior civilian official  
24 designated under subsection (a) shall submit to the con-  
25 gressional defense committees a report that describes—

1           (1) the policy developed by the senior civilian  
2           official under that subsection; and

3           (2) the efforts of the Department to implement  
4           such policy.

5 **SEC. 933. ADDITIONAL MATTERS IN CONNECTION WITH**  
6                           **BACKGROUND AND SECURITY INVESTIGA-**  
7                           **TIONS FOR DEPARTMENT OF DEFENSE PER-**  
8                           **SONNEL.**

9           (a) **ADDITIONAL MATTER FOR ANNUAL REPORTS.—**  
10          Subsection (k)(3) of section 925 of the National Defense  
11          Authorization Act for Fiscal Year 2018 (Public Law 115–  
12          91) is amended—

13           (1) by redesignating subparagraphs (H)  
14           through (L) as subparagraphs (I) through (M), re-  
15           spectively; and

16           (2) by inserting after subparagraph (G) the fol-  
17           lowing new subparagraph (H):

18                           “(H) The number of denials or revocations  
19                           of a security clearance by each authorized adju-  
20                           dicative agency that occurred separately from a  
21                           periodic reinvestigation.”.

22          (b) **SENSE OF CONGRESS.—**Such section is further  
23          amended—

24           (1) by redesignating subsection (l) as subsection  
25           (m); and

1           (2) by inserting after subsection (k) the fol-  
2           lowing new subsection (l):

3           “(l) SENSE OF CONGRESS.—It is the sense of Con-  
4           gress that—

5                   “(1) personnel security investigations, and con-  
6                   tinuous evaluation, form an integral part of the se-  
7                   curity posture of the Department of Defense; and

8                   “(2) to the extent practicable, the Department  
9                   should coordinate with the security executive agent  
10                  to ensure that the results of adjudication decisions,  
11                  either within initial investigations or reinvestiga-  
12                  tions, are communicated in a transparent manner to  
13                  ensure public trust in the adjudication process.”.

14 **SEC. 934. PROGRAM OF EXPEDITED SECURITY CLEAR-**  
15 **ANCES FOR MISSION-CRITICAL POSITIONS.**

16           (a) IN GENERAL.—Not later than 90 days after the  
17           date of the enactment of this Act, the Security Executive  
18           Agent shall establish a program for the expedited proc-  
19           essing of security clearances for mission-critical positions,  
20           fulfilled by either Government or contract employees.  
21           Under such program, the Security Executive Agent shall  
22           complete the processing of applications for security clear-  
23           ances—

24                   (1) at the secret level in 15 or fewer days; and

25                   (2) at the top secret level in 45 days or fewer.

1           (b) SECURITY EXECUTIVE AGENT.—In this section,  
2 the term “Security Executive Agent” means the Director  
3 of National Intelligence acting as the Security Executive  
4 Agent in accordance with Executive Order 13467 (73 Fed.  
5 Reg. 38103; 50 U.S.C. 3161 note).

6 **SEC. 935. INFORMATION SHARING PROGRAM FOR POSI-**  
7 **TIONS OF TRUST.**

8           (a) PROGRAM REQUIRED.—Not later than 90 days  
9 after the date of the enactment of this Act, the Security  
10 Executive Agent shall establish a program to share be-  
11 tween and among Federal Government agencies and in-  
12 dustry partners of the Federal Government information  
13 regarding individuals applying for and in positions of  
14 trust, including derogatory and suitability information.

15           (b) PRIVACY SAFEGUARDS.—The Security Executive  
16 Agent shall ensure that the program required by sub-  
17 section (a) includes such safeguards for privacy as the Se-  
18 curity Executive Agent considers appropriate.

19           (c) PROVISION OF INFORMATION TO THE PRIVATE  
20 SECTOR.—The Security Executive Agent shall ensure that  
21 under the program required by subsection (a) sufficient  
22 information is provided to the private sector so that em-  
23 ployers in the private sector can make informed decisions  
24 about hiring and retention in positions of trust, while safe-  
25 guarding personnel privacy.

1 (d) IMPLEMENTATION PLAN.—

2 (1) IN GENERAL.—Not later than 90 days after  
3 the date of the enactment of this Act, the Security  
4 Executive Agent shall submit to Congress a plan for  
5 the implementation of the program required by sub-  
6 section (a).

7 (2) CONTENTS.—The plan required by para-  
8 graph (1) shall include the following:

9 (A) Matters that address privacy, security,  
10 and human resources processes.

11 (B) Such recommendations as the Security  
12 Executive Agent may have for legislative or ad-  
13 ministrative action to carry out or improve the  
14 program.

15 (e) SECURITY EXECUTIVE AGENT.—In this section,  
16 the term “Security Executive Agent” means the Director  
17 of National Intelligence acting as the Security Executive  
18 Agent in accordance with Executive Order 13467 (73 Fed.  
19 Reg. 38103; 50 U.S.C. 3161 note).

20 **SEC. 936. REPORT ON CLEARANCE IN PERSON CONCEPT.**

21 (a) REPORT REQUIRED.—Not later than 90 days  
22 after the date of the enactment of this Act, the Security  
23 Executive Agent shall submit to congressional defense and  
24 intelligence committees a report on the requirements, fea-  
25 sibility, and advisability of implementing a clearance in

1 person concept as described in subsection (b) for maintain-  
2 ing access to classified information.

3 (b) CLEARANCE IN PERSON CONCEPT.—

4 (1) IN GENERAL.—Implementation of a clear-  
5 ance in person concept as described in this sub-  
6 section would permit an individual who has been  
7 granted a national security clearance to maintain eli-  
8 gibility for access to classified information, networks,  
9 and facilities after the individual has separated from  
10 service to the Federal Government or transferred to  
11 a position that no longer requires access to classified  
12 information.

13 (2) RECOGNITION AS CURRENT.—The concept  
14 described in paragraph (1) would also ensure that,  
15 unless otherwise directed by the Security Executive  
16 Agent, the individual's security clearance would be  
17 recognized as current, regardless of employment sta-  
18 tus, with no further need for investigation or re-  
19 validation until the individual obtains a position re-  
20 quiring access to classified information.

21 (c) CONTENTS.—The report required by subsection  
22 (a) shall address the following:

- 23 (1) Requirements for continuous vetting.
- 24 (2) Appropriate safeguards for privacy.
- 25 (3) An appropriate funding model.

1           (4) Fairness to small business concerns and  
2           independent contractors.

3           (d) SECURITY EXECUTIVE AGENT.—In this section,  
4           the term “Security Executive Agent” means the Director  
5           of National Intelligence acting as the Security Executive  
6           Agent in accordance with Executive Order 13467 (73 Fed.  
7           Reg. 38103; 50 U.S.C. 3161 note).

8           **SEC. 937. STRATEGIC DEFENSE FELLOWS PROGRAM.**

9           (a) FELLOWSHIP PROGRAM.—

10           (1) IN GENERAL.—Not later than one year  
11           after the date of the enactment of this Act, the Sec-  
12           retary of Defense shall establish within the Depart-  
13           ment of Defense a civilian fellowship program de-  
14           signed to provide leadership development and the  
15           commencement of a career track toward senior lead-  
16           ership in the Department.

17           (2) DESIGNATION.—The fellowship program  
18           shall be known as the “Strategic Defense Fellows  
19           Program” (in this section referred to as the “fellows  
20           program”).

21           (b) ELIGIBILITY.—An individual is eligible for par-  
22           ticipation in the fellows program if the individual—

23           (1) is a citizen of the United States or a lawful  
24           permanent resident of the United States in the year

1 in which the individual applies for participation in  
2 the fellows program; and

3 (2) either—

4 (A) possesses a graduate degree from an  
5 accredited institution of higher education in the  
6 United States that was awarded not later than  
7 two years before the date of the acceptance of  
8 the individual into the fellows program; or

9 (B) will be awarded a graduate degree  
10 from an accredited institution of higher edu-  
11 cation in the United States not later than six  
12 months after the date of the acceptance of the  
13 individual into the fellows program.

14 (c) APPLICATION.—

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

20 (2) ELEMENTS.—Each application of an indi-  
21 vidual under this subsection shall include the fol-  
22 lowing:

23 (A) Transcripts of educational achievement  
24 at the undergraduate and graduate level.

25 (B) A resume.



1 (C) Proof of citizenship or lawful perma-  
2 nent residence.

3 (D) An endorsement from the applicant's  
4 graduate institution of higher education.

5 (E) An academic writing sample.

6 (F) Letters of recommendation addressing  
7 the applicant's character, academic ability, and  
8 any extracurricular activities.

9 (G) A personal statement by the applicant  
10 explaining career areas of interest and motiva-  
11 tions for service in the Department.

12 (H) Such other information as the Sec-  
13 retary considers appropriate.

14 (d) SELECTION.—

15 (1) IN GENERAL.—Each year, the Secretary  
16 shall select participants in the fellows program from  
17 among applicants for the fellows program for such  
18 year who qualify for participation in the fellows pro-  
19 gram based on character, commitment to public  
20 service, academic achievement, extracurricular activi-  
21 ties, and such other qualifications for participation  
22 in the fellows program as the Secretary considers  
23 appropriate.

1           (2) NUMBER.—The number of individuals se-  
2           lected to participate in the fellows program in any  
3           year may not exceed the numbers as follows:

4                   (A) Ten individuals from each geographic  
5                   region of the United States as follows:

6                           (i) The Northeast.

7                           (ii) The Southeast.

8                           (iii) The Midwest.

9                           (iv) The Southwest.

10                          (v) The West.

11                   (B) Ten additional individuals.

12           (3) BACKGROUND INVESTIGATION.—An indi-  
13           vidual selected to participate in the fellows program  
14           may not participate in the program unless the indi-  
15           vidual successfully undergoes a background inves-  
16           tigation applicable to the position to which the indi-  
17           vidual will be assigned under the fellows program  
18           and otherwise meets such requirements applicable to  
19           assignment to a sensitive position within the Depart-  
20           ment that the Secretary considers appropriate.

21           (e) ASSIGNMENT.—

22                   (1) IN GENERAL.—Each individual who partici-  
23                   pates in the fellows program shall be assigned to a  
24                   position in the Office of the Secretary of Defense.

1           (2) POSITION REQUIREMENTS.—Each Under  
2 Secretary of Defense and each Director of a Defense  
3 Agency who reports directly to the Secretary shall  
4 submit to the Secretary each year the qualifications  
5 and skills to be demonstrated by participants in the  
6 fellows program to qualify for assignment under this  
7 subsection for service in a position of the office of  
8 such Under Secretary or Director.

9           (3) ASSIGNMENT TO POSITIONS.—The Sec-  
10 retary shall each year assign participants in the fel-  
11 lows program to positions in the offices of the Under  
12 Secretaries and Directors described in paragraph  
13 (2). In making such assignments, the Secretary shall  
14 seek to best match the qualifications and skills of  
15 participants in the fellows program with the require-  
16 ments of positions available for assignment. Each  
17 participant so assigned shall serve as a special as-  
18 sistant to the Under Secretary or Director to whom  
19 assigned.

20           (4) TERM.—The term of each assignment  
21 under the fellows program shall be one year.

22           (5) PAY AND BENEFITS.—An individual as-  
23 signed to a position under the fellows program shall  
24 be compensated at the rate of compensation for em-  
25 ployees at level GS-10 of the General Schedule, and

1 shall be treated as an employee of the United States  
2 during the term of assignment, including for pur-  
3 poses of eligibility for health care benefits and retire-  
4 ment benefits available to employees of the United  
5 States.

6 (6) EDUCATION LOAN REPAYMENT.—To the ex-  
7 tent that funds are provided in advance in appro-  
8 priations Acts, the Secretary may repay any loan of  
9 a participant in the fellows program if the loan is  
10 described by subparagraph (A), (B), or (C) of sec-  
11 tion 16301(a)(1) of title 10, United States Code.  
12 Any repayment of loans under this paragraph shall  
13 be on a first-come, first-served basis.

14 (f) CAREER DEVELOPMENT.—

15 (1) IN GENERAL.—The Secretary shall ensure  
16 that participants in the fellows program—

17 (A) receive opportunities and support ap-  
18 propriate for the commencement of a career  
19 track within the Department leading toward a  
20 future position of senior leadership within the  
21 Department, including ongoing mentorship sup-  
22 port through appropriate personnel from enti-  
23 ties within the Department such as the Defense  
24 Business Board and the Defense Innovation  
25 Board; and

1           (B) are provided appropriate opportunities  
2           for employment and advancement within the  
3           Department upon successful completion of the  
4           fellows program.

5           (2) RESERVATION OF POSITIONS.—In carrying  
6           out paragraph (1)(B), the Secretary shall reserve for  
7           participants who successfully complete the fellows  
8           program not fewer than 30 positions in the excepted  
9           service within the Department that are suitable for  
10          the commencement of a career track toward senior  
11          leadership within the Department. Any position so  
12          reserved shall not be subject to or covered by any re-  
13          duction in headquarters personnel required under  
14          any other provision of law.

15          (3) NONCOMPETITIVE APPOINTMENT.—Upon  
16          the successful completion of the assignment of a  
17          participant in the fellows program in a position pur-  
18          suant to subsection (e), the Secretary may, without  
19          regard to the provisions of subchapter I of chapter  
20          33 of title 5, United States Code, appoint the partic-  
21          ipant to a position reserved pursuant to paragraph  
22          (2) if the Secretary determines that such appoint-  
23          ment will contribute to the development of highly  
24          qualified future senior leaders for the Department.

1           (4) PUBLICATION OF SELECTION.—The Sec-  
2           retary shall publish on an Internet website of the  
3           Department available to the public the names of the  
4           individuals selected to participate in the fellows pro-  
5           gram.

6           (g) OUTREACH.—The Secretary shall undertake ap-  
7           propriate outreach to inform potential participants in the  
8           fellows program of the nature and benefits of participation  
9           in the fellows program.

10          (h) REGULATIONS.—The Secretary shall carry out  
11          this section in accordance with such regulations as the  
12          Secretary may prescribe for purposes of this section.

13          (i) FUNDING.—Of the amounts authorized to be ap-  
14          propriated for each fiscal year for the Department of De-  
15          fense for operation and maintenance, Defense-wide,  
16          \$10,000,000 may be available to carry out the fellows pro-  
17          gram in such fiscal year.

## 18                   **Subtitle D—Other Matters**

### 19   **SEC. 941. ANALYSIS OF DEPARTMENT OF DEFENSE BUSI-** 20                   **NESS MANAGEMENT AND OPERATIONS** 21                   **DATASETS TO PROMOTE SAVINGS AND EFFI-** 22                   **CIENCIES.**

23          (a) IN GENERAL.—The Chief Management Officer of  
24          the Department of Defense shall develop a policy on anal-  
25          ysis of Department of Defense datasets on business man-

1 agement and business operations by the public for pur-  
2 poses of accessing data analysis capabilities that would  
3 promote savings and efficiencies and otherwise enhance  
4 the utility of such datasets to the Department.

5 (b) INITIAL DISCHARGE OF POLICY.—

6 (1) IN GENERAL.—The Chief Management Offi-  
7 cer shall commence the discharge of the policy re-  
8 quired pursuant to subsection (a) by—

9 (A) identifying one or more matters—

10 (i) that are of significance to the De-  
11 partment of Defense;

12 (ii) that are currently unresolved; and

13 (iii) whose resolution from a business  
14 management or business operations  
15 dataset of the Department could benefit  
16 from a method or technique of analysis not  
17 currently familiar to the Department;

18 (B) identifying between three and five  
19 business management or business operations  
20 datasets of the Department not currently avail-  
21 able to the public whose evaluation could result  
22 in novel data analysis solutions toward manage-  
23 ment or operations problems of the Department  
24 identified by the Chief Management Officer;  
25 and

1 (C) encouraging, whether by competition  
2 or other mechanisms, the evaluation of the  
3 datasets described in subparagraph (B) by ap-  
4 propriate persons and entities in the public or  
5 private sector (including academia).

6 (2) PROTECTION OF SECURITY AND CONFIDEN-  
7 TIALITY.—In providing for the evaluation of  
8 datasets pursuant to this subsection, the Chief Man-  
9 agement Officer shall take appropriate actions to  
10 protect the security and confidentiality of any infor-  
11 mation contained in the dataset, including through  
12 special precautions to ensure that any personally  
13 identifiable information is not included and no re-  
14 lease of information will adversely affect national se-  
15 curity missions.

16 **SEC. 942. RESEARCH AND DEVELOPMENT TO ADVANCE CA-**  
17 **PABILITIES OF THE DEPARTMENT OF DE-**  
18 **FENSE IN DATA INTEGRATION AND AD-**  
19 **VANCED ANALYTICS IN CONNECTION WITH**  
20 **PERSONNEL SECURITY.**

21 (a) PLAN REQUIRED.—The Under Secretary of De-  
22 fense for Intelligence shall develop a plan on research and  
23 development activities to advance the capabilities of the  
24 Department of Defense in data integration and advanced  
25 analytics in connection with personnel security activities



1 of the Department. The plan shall, to the extent prac-  
2 ticable, provide for the leveraging of the capabilities of  
3 other government entities, institutions of higher education,  
4 and private sector entities with advanced, leading-edge ex-  
5 pertise in data integration and analytics applicable to the  
6 challenges faced by the Department in connection with  
7 personnel security.

8 (b) COORDINATION.—Any activities under the plan  
9 may be carried out in coordination with the Defense Dig-  
10 ital Service and the Defense Innovation Board.

11 (c) BRIEFING.—Not later than 180 days after the  
12 date of the enactment of this Act, the Under Secretary  
13 shall provide to the appropriate committees of Congress  
14 a briefing on the plan.

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

18 (1) the Committee on Armed Services, the  
19 Committee on Appropriations, and the Select Com-  
20 mittee on Intelligence of the Senate; and

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

1 **TITLE X—GENERAL PROVISIONS**

2 **Subtitle A—Financial Matters**

3 **SEC. 1001. GENERAL TRANSFER AUTHORITY.**

4 (a) **AUTHORITY TO TRANSFER AUTHORIZATIONS.—**

5 (1) **AUTHORITY.**—Upon determination by the  
6 Secretary of Defense that such action is necessary in  
7 the national interest, the Secretary may transfer  
8 amounts of authorizations made available to the De-  
9 partment of Defense in this division for fiscal year  
10 2019 between any such authorizations for that fiscal  
11 year (or any subdivisions thereof). Amounts of au-  
12 thorizations so transferred shall be merged with and  
13 be available for the same purposes as the authoriza-  
14 tion to which transferred.

15 (2) **LIMITATION.**—Except as provided in para-  
16 graph (3), the total amount of authorizations that  
17 the Secretary may transfer under the authority of  
18 this section may not exceed \$4,500,000,000.

19 (3) **EXCEPTION FOR TRANSFERS BETWEEN**  
20 **MILITARY PERSONNEL AUTHORIZATIONS.**—A trans-  
21 fer of funds between military personnel authoriza-  
22 tions under title IV shall not be counted toward the  
23 dollar limitation in paragraph (2).

24 (b) **LIMITATIONS.**—The authority provided by sub-  
25 section (a) to transfer authorizations—

1           (1) may only be used to provide authority for  
2 items that have a higher priority than the items  
3 from which authority is transferred; and

4           (2) may not be used to provide authority for an  
5 item that has been denied authorization by Con-  
6 gress.

7       (c) EFFECT ON AUTHORIZATION AMOUNTS.—A  
8 transfer made from one account to another under the au-  
9 thority of this section shall be deemed to increase the  
10 amount authorized for the account to which the amount  
11 is transferred by an amount equal to the amount trans-  
12 ferred.

13       (d) NOTICE TO CONGRESS.—The Secretary shall  
14 promptly notify Congress of each transfer made under  
15 subsection (a).

16 **SEC. 1002. INCLUSION OF FUNDS FOR AIR FORCE PASS-**  
17 **THROUGH ITEMS IN DEFENSE-WIDE BUDGET**  
18 **FOR THE DEPARTMENT OF DEFENSE.**

19       (a) IN GENERAL.—In any budget of the President  
20 submitted to Congress pursuant to section 1105(a) of title  
21 31, United States Code, for a fiscal year after fiscal year  
22 2019, any funds for an Air Force pass-through item shall  
23 be requested in the Defense-wide budget of the Depart-  
24 ment of Defense rather than the budget of the Air Force.

1 (b) AIR FORCE PASS-THROUGH ITEM DEFINED.—In  
2 this section, the term “Air Force pass-through item”  
3 means a program, project, or activity for which—

4 (1) funds would otherwise be requested for the  
5 Air Force; and

6 (2) funds made available for execution will be  
7 executed by another department, agency, or element  
8 of the Department of Defense.

9 **SEC. 1003. REPORT ON SHIFT IN REQUESTS FOR FUNDS**  
10 **FOR DEPARTMENT OF DEFENSE ACTIVITIES**  
11 **FROM FUNDS FOR OVERSEAS CONTINGENCY**  
12 **OPERATIONS TO FUNDS THROUGH THE BASE**  
13 **BUDGET.**

14 (a) REPORT REQUIRED.—Not later than 14 days  
15 after the submittal to Congress of the budget of the Presi-  
16 dent for fiscal year 2020 pursuant to section 1105 of title  
17 31, United States Code, the Under Secretary of Defense  
18 (Comptroller) shall submit to the congressional defense  
19 committees a report on any shift during fiscal year 2020  
20 from requests for funds for Department of Defense activi-  
21 ties for overseas contingency operations to requests for  
22 funds for such activities for the Department generally  
23 (commonly referred to as the “base budget”).

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

1           (1) A description of the assumptions used by  
2           the Department of Defense and the Armed Forces  
3           in determining the programs, projects, and activities  
4           for which funds were requested for fiscal year 2019  
5           for overseas contingency operations for which funds  
6           are requested for fiscal year 2020 for the Depart-  
7           ment generally, including any changes to the criteria  
8           for overseas contingency operations funding requests  
9           issued in 2010 and used by the Office of Manage-  
10          ment and Budget in identifying the programs,  
11          projects, and activities for which funds are so re-  
12          quested for fiscal year 2020.

13           (2) The programs, projects, and activities of the  
14          Department for which funds were requested for fis-  
15          cal year 2019 for overseas contingency operations  
16          that are requested in the budget for fiscal year 2020  
17          to be funded for the Department generally, and the  
18          amount for such programs, projects, and activities,  
19          set forth at the level of detail as follows:

20                   (A) For procurement, by line item.

21                   (B) For research, development, test, and  
22                   evaluation, by program element (PE) number.

23                   (C) For operation and maintenance, by  
24                   sub-activity group (SAG).

1 (D) For military personnel, by sub-activity  
2 group.

3 (E) For revolving and management funds,  
4 by sub-activity group.

5 (F) For military construction, by project.

6 **SEC. 1004. RANKING OF AUDITABILITY OF FINANCIAL**  
7 **STATEMENTS OF THE ORGANIZATIONS AND**  
8 **ELEMENTS OF THE DEPARTMENT OF DE-**  
9 **FENSE.**

10 (a) REPORT ON RANKING.—Not later than 90 days  
11 after the date of the enactment of this Act, the Secretary  
12 of Defense shall, in coordination with the Under Secretary  
13 of Defense (Comptroller), submit to the congressional de-  
14 fense committees a report setting forth a ranking of the  
15 auditability of the financial statements of the depart-  
16 ments, agencies, organizations, and elements of the De-  
17 partment of Defense according to the progress made to-  
18 ward achieving auditability as required by law.

19 (b) CRITERIA FOR RANKING.—The criteria to be used  
20 for ranking for purposes of the report under this section  
21 shall be—

22 (1) the criteria developed by the Under Sec-  
23 retary pursuant to section 1104 of the National De-  
24 fense Authorization Act for Fiscal Year 2018 (Pub-

1       lic Law 115–91) for a similar report under that sec-  
2       tion;

3               (2) other criteria developed by the Under Sec-  
4       retary for purposes of the report under this section;  
5       or

6               (3) a combination of the criteria described in  
7       paragraphs (1) and (2).

8       (c) CONSTRUCTION.—The report required by this sec-  
9       tion is in addition to the report required by section 1104  
10      of the National Defense Authorization Act for Fiscal Year  
11      2018.

12      **SEC. 1005. TRANSPARENCY OF ACCOUNTING FIRMS USED**  
13                              **TO SUPPORT DEPARTMENT OF DEFENSE**  
14                              **AUDIT.**

15       The Secretary of Defense shall require any account-  
16      ing firm under contract or under consideration for a con-  
17      tract or for the renewal of an existing contract with the  
18      Department of Defense in support of the audit required  
19      under section 3521 of title 31, United States Code, to pro-  
20      vide a statement setting forth the details of any discipli-  
21      nary proceedings with respect to the accounting firm or  
22      its associated persons before any entity with the authority  
23      to enforce compliance with rules or laws applying to audit  
24      services offered by accounting firms.

1           **Subtitle B—Naval Vessels and**  
2                           **Shipyards**

3   **SEC. 1011. DATE OF LISTING OF VESSELS AS BATTLE**  
4                   **FORCE SHIPS IN THE NAVAL VESSEL REG-**  
5                   **ISTER AND OTHER FLEET INVENTORY MEAS-**  
6                   **URES.**

7           (a) IN GENERAL.—Section 7301 of title 10, United  
8 States Code, is amended—

9                   (1) by redesignating subsection (c) as sub-  
10                  section (d); and

11                  (2) by inserting after subsection (b) the fol-  
12                  lowing new subsection (c):

13                  “(c) LISTING AS BATTLE FORCE SHIP IN NAVAL  
14 VESSEL REGISTER.—A covered vessel may not be listed  
15 in the Naval Vessel Register or other fleet inventory meas-  
16 ures as a battle force ship until the delivery date specified  
17 in subsection (a).”.

18           (b) DEFINITIONS.—Such section is further amended  
19 by striking subsection (d), as redesignated by subsection  
20 (a)(1) of this section, and inserting the following new sub-  
21 section:

22                  “(d) DEFINITIONS.—In this section:

23                          “(1) The term ‘covered vessel’ means any vessel  
24                          of the Navy that is under construction or con-  
25                          structed using amounts authorized to be appro-



1        priated for the Department of Defense for ship-  
2        building and conversion, Navy.

3               “(2) The term ‘battle force ship’ means the fol-  
4        lowing:

5                       “(A) A commissioned United States Ship  
6        warship capable of contributing to combat oper-  
7        ations.

8                       “(B) A United States Naval Ship that con-  
9        tributes directly to Navy warfighting or support  
10       missions.”.

11 **SEC. 1012. ANNUAL REPORTS ON EXAMINATION OF NAVY**  
12 **VESSELS.**

13        Section 7304 of title 10, United States Code, is  
14        amended by adding at the end the following new sub-  
15        section:

16        “(d) ANNUAL REPORT.—

17               “(1) IN GENERAL.—Not later than March 1  
18        each year, the board designated under subsection (a)  
19        shall submit to the congressional defense committees  
20        a report setting forth the following:

21                       “(A) An overall narrative summary of the  
22        material readiness of Navy ships as compared  
23        to established material requirements standards.

24                       “(B) The overall number and types of ves-  
25        sels inspected during the preceding fiscal year.

1           “(C) For in-service vessels, material readi-  
2           ness trends by inspected functional area as  
3           compared to the previous five years.

4           “(2) FORM.—Each report under this subsection  
5           shall be submitted in an unclassified form that is re-  
6           leasable to the public without further redaction.

7           “(3) TERMINATION.—No report shall be re-  
8           quired under this subsection after October 1,  
9           2021.”.

10 **SEC. 1013. LIMITATION ON DURATION OF HOMEPORTING**  
11                           **OF CERTAIN VESSELS IN FOREIGN LOCA-**  
12                           **TIONS.**

13           (a) LIMITATION.—

14           (1) IN GENERAL.—Chapter 633 of title 10,  
15           United States Code, is amended by inserting after  
16           section 7310 the following new section:

17 **“§ 7310a. Homeporting of certain vessels in overseas**  
18                           **locations: limitation on duration**

19           “(a) IN GENERAL.—A vessel specified in subsection  
20 (b) that is listed in the Naval Vessel Register may not  
21 be homeported in a location other than in the United  
22 States or Guam for a period of more than 10 consecutive  
23 years.

24           “(b) SPECIFIED VESSELS.—The vessels specified in  
25 this subsection are the following:

1           “(1) Aircraft carrier.

2           “(2) Amphibious ship.

3           “(3) Cruiser.

4           “(4) Destroyer.

5           “(5) Frigate.

6           “(c) WAIVER.—

7           “(1) IN GENERAL.—The Chief of Naval Oper-  
8           ations may waive the applicability of subsection (a)  
9           to a ship.

10           “(2) EFFECTIVENESS CONTINGENT ON RE-  
11           PORT.—A waiver under paragraph (1) with respect  
12           to a ship shall go into effect on the date on which  
13           the Chief of Naval Operations submits to the con-  
14           gressional defense committees a report on the waiver  
15           setting forth the following:

16                   “(A) The ship covered by the waiver.

17                   “(B) The duration of the waiver for such  
18           ship

19                   “(C) The justification of the Chief of  
20           Naval Operations for the waiver.”.

21           (2) CLERICAL AMENDMENT.—The table of sec-  
22           tions at the beginning of chapter 633 of such title  
23           is amended by inserting after the item relating to  
24           section 7310 the following new item:

“7310a. Homeporting of certain vessels in overseas locations: limitation on dura-  
tion.”.

1 (b) EFFECTIVE DATE.—The amendments made by  
 2 this section shall take effect on October 1, 2020, and shall  
 3 apply with respect to the homeporting of vessels after that  
 4 date, regardless of whether the continuous period of home-  
 5 porting concerned commenced before that date.

6 **SEC. 1014. SPECIFIC AUTHORIZATION REQUIREMENT FOR**  
 7 **NUCLEAR REFUELING OF AIRCRAFT CAR-**  
 8 **RIERS.**

9 (a) IN GENERAL.—Chapter 633 of title 10, United  
 10 States Code, is amended by inserting after section 7314  
 11 the following new section:

12 **“§ 7314a. Nuclear refueling of aircraft carriers: spe-**  
 13 **cific authorization required**

14 “Funds may not be obligated or expended for the pro-  
 15 curement of a naval nuclear reactor power unit or associ-  
 16 ated reactor components for the nuclear refueling of an  
 17 aircraft carrier unless such refueling is specifically author-  
 18 ized, by ship name and hull number, by statute.”.

19 (b) CLERICAL AMENDMENT.—The table of sections  
 20 at the beginning of chapter 633 of such title is amended  
 21 by inserting after the item relating to section 7314 the  
 22 following new item:

“7314a. Nuclear refueling of aircraft carriers: specific authorization required.”.

1 **SEC. 1015. DISMANTLEMENT AND DISPOSAL OF NUCLEAR-**  
2 **POWERED AIRCRAFT CARRIERS.**

3 (a) IN GENERAL.—Chapter 633 of title 10, United  
4 States Code, is amended by adding at the end the fol-  
5 lowing new section:

6 **“§ 7320. Nuclear-powered aircraft carriers: dismantlement and disposal**  
7

8 “(a) IN GENERAL.—Not less than 90 days before the  
9 award of a contract for the dismantlement and disposal  
10 of a nuclear-powered aircraft carrier, or the provision of  
11 funds to a naval shipyard for the dismantlement and dis-  
12 posal of a nuclear-powered aircraft carrier, the Secretary  
13 of the Navy shall submit to the congressional defense com-  
14 mittees a report setting forth the following:

15 “(1) A cost and schedule baseline for the dis-  
16 mantlement and disposal approved by the service ac-  
17 quisition executive of the Department of the Navy  
18 and the Chief of Naval Operations.

19 “(2) An independent cost estimate of the dis-  
20 mantlement and disposal prepared by the Office of  
21 Cost Analysis and Program Evaluation.

22 “(3) A description of the regulatory framework  
23 applicable to the management of radioactive mate-  
24 rials in connection with the dismantlement and dis-  
25 posal, including, in cases in which the Navy intends

1 to have another government entity serve as the regu-  
2 latory enforcement authority—

3 “(A) a certification from that entity of its  
4 agreement to serve as the regulatory enforce-  
5 ment authority; and

6 “(B) a description of the legal basis for the  
7 authority of that entity to serve as the regu-  
8 latory enforcement authority.

9 “(b) SUPPLEMENTAL INFORMATION WITH BUDG-  
10 ETS.—In the materials submitted to Congress by the Sec-  
11 retary of Defense in support of the budget of the President  
12 for a fiscal year (as submitted to Congress under section  
13 1105(a) of title 31), the Secretary of the Navy shall in-  
14 clude information on each dismantlement and disposal of  
15 a nuclear-powered aircraft carrier occurring or planned to  
16 occur during the period of the future-years defense pro-  
17 gram submitted to Congress with that budget. Such infor-  
18 mation shall include, by ship concerned, the following:

19 “(1) A summary of activities and significant de-  
20 velopments in connection with such dismantlement  
21 and disposal.

22 “(2) If applicable, a detailed description of cost  
23 and schedule performance against the baseline for  
24 such dismantlement and disposal established pursu-

1 ant to subsection (a), including a description of and  
 2 explanation for any variance from such baseline.

3 “(3) A description of the amounts requested, or  
 4 intended or estimated to be requested, for such dis-  
 5 mantlement and disposal for each of the following:

6 “(A) Each fiscal year covered by the fu-  
 7 ture-years defense program.

8 “(B) Any fiscal years before the fiscal  
 9 years covered by the future-years defense pro-  
 10 gram.

11 “(C) Any fiscal years after the end of the  
 12 period of the future-years defense program.

13 “(c) FUTURE-YEARS DEFENSE PROGRAM DE-  
 14 FINED.—In this section, the term ‘future-years defense  
 15 program’ means the future-years defense program re-  
 16 quired by section 221 of this title.”.

17 (b) CLERICAL AMENDMENT.—The table of sections  
 18 at the beginning of chapter 633 of such title is amended  
 19 by adding at the end the following new item:

“7320. Nuclear-powered aircraft carriers; dismantlement and disposal.”.

20 **SEC. 1016. NATIONAL DEFENSE SEALIFT FUND.**

21 Section 2218(f)(3)(C) of title 10, United States Code,  
 22 is amended by striking “two foreign constructed ships”  
 23 and inserting “seven foreign constructed ships during the  
 24 period beginning with fiscal year 2019 and ending with  
 25 fiscal year 2030”.

1 **SEC. 1017. LIMITATION ON USE OF FUNDS FOR RETIRE-**  
2 **MENT OF HOSPITAL SHIPS.**

3 (a) LIMITATION.—Except as provided in subsection  
4 (b), none of the funds authorized to be appropriated by  
5 this Act or otherwise made available for fiscal year 2019  
6 for the Navy may be obligated or expended to retire, pre-  
7 pare to retire, transfer, or place in storage any hospital  
8 ship.

9 (b) WAIVER.—The Secretary of the Navy may waive  
10 the limitation in subsection (a) with respect to a hospital  
11 ship if the Secretary certifies to the congressional defense  
12 committees that the Secretary has—

13 (1) identified a replacement capability, and the  
14 necessary quantity of systems, to meet all hospital  
15 ship requirements of the combatant commands that  
16 are currently being met by such hospital ship;

17 (2) achieved initial operational capability of all  
18 systems described in paragraph (1); and

19 (3) deployed a sufficient quantity of systems de-  
20 scribed in paragraph (1) that have achieved initial  
21 operational capability in order to continue to meet or  
22 exceed all requirements of the combatant commands  
23 that are currently being met by such hospital ship.



1           **Subtitle C—Counterterrorism**

2   **SEC. 1021. EXTENSION OF PROHIBITION ON USE OF FUNDS**  
3                   **FOR TRANSFER OR RELEASE OF INDIVID-**  
4                   **UALS DETAINED AT UNITED STATES NAVAL**  
5                   **STATION, GUANTANAMO BAY, CUBA, TO THE**  
6                   **UNITED STATES.**

7           Section 1033 of the National Defense Authorization  
8 Act for Fiscal Year 2018 (Public Law 115–91) is amended  
9 by striking “December 31, 2018” and inserting “Decem-  
10 ber 31, 2019”.

11   **SEC. 1022. EXTENSION OF PROHIBITION ON USE OF FUNDS**  
12                   **TO CONSTRUCT OR MODIFY FACILITIES IN**  
13                   **THE UNITED STATES TO HOUSE DETAINEES**  
14                   **TRANSFERRED FROM UNITED STATES NAVAL**  
15                   **STATION, GUANTANAMO BAY, CUBA.**

16           Section 1034(a) of the National Defense Authoriza-  
17 tion Act for Fiscal Year 2018 (Public Law 115–91) is  
18 amended by striking “December 31, 2018” and inserting  
19 “December 31, 2019”.

1 **SEC. 1023. EXTENSION OF PROHIBITION ON USE OF FUNDS**  
2 **FOR TRANSFER OR RELEASE OF INDIVID-**  
3 **UALS DETAINED AT UNITED STATES NAVAL**  
4 **STATION, GUANTANAMO BAY, CUBA, TO CER-**  
5 **TAIN COUNTRIES.**

6 Section 1035 of the National Defense Authorization  
7 Act for Fiscal Year 2018 (Public Law 115–91) is amended  
8 by striking “December 31, 2018” and inserting “Decem-  
9 ber 31, 2019”.

10 **SEC. 1024. EXTENSION OF PROHIBITION ON USE OF FUNDS**  
11 **TO CLOSE OR RELINQUISH CONTROL OF**  
12 **UNITED STATES NAVAL STATION, GUANTA-**  
13 **NAMO BAY, CUBA.**

14 Section 1036 of the National Defense Authorization  
15 Act for Fiscal Year 2018 (Public Law 115–91) is amended  
16 inserting “or 2019” after “fiscal year 2018”.

17 **SEC. 1025. AUTHORITY TO TRANSFER INDIVIDUALS DE-**  
18 **TAINED AT UNITED STATES NAVAL STATION,**  
19 **GUANTANAMO BAY, CUBA, TO THE UNITED**  
20 **STATES TEMPORARILY FOR EMERGENCY OR**  
21 **CRITICAL MEDICAL TREATMENT.**

22 (a) TEMPORARY TRANSFER FOR MEDICAL TREAT-  
23 MENT.—Notwithstanding section 1033 of the National  
24 Defense Authorization Act for Fiscal Year 2018 (Public  
25 Law 115–91), as amended by section 1021 of this Act,  
26 or any similar provision of law enacted after September

1 30, 2015, the Secretary of Defense may, after consultation  
2 with the Secretary of Homeland Security, temporarily  
3 transfer an individual detained at Guantanamo to a De-  
4 partment of Defense medical facility in the United States  
5 for the sole purpose of providing the individual medical  
6 treatment if the Secretary of Defense determines that—

7           (1) the medical treatment of the individual is  
8           necessary to prevent death or imminent significant  
9           injury or harm to the health of the individual;

10           (2) the necessary medical treatment is not  
11           available to be provided at United States Naval Sta-  
12           tion, Guantanamo Bay, Cuba, without incurring ex-  
13           cessive and unreasonable costs; and

14           (3) the Department of Defense has provided for  
15           appropriate security measures for the custody and  
16           control of the individual during any period in which  
17           the individual is temporarily in the United States  
18           under this section.

19           (b) LIMITATION ON EXERCISE OF AUTHORITY.—The  
20           authority of the Secretary of Defense under subsection (a)  
21           may be exercised only by the Secretary of Defense or an-  
22           other official of the Department of Defense at the level  
23           of Under Secretary of Defense or higher.

1           (c) CONDITIONS OF TRANSFER.—An individual who  
2 is temporarily transferred under the authority in sub-  
3 section (a) shall—

4           (1) while in the United States, remain in the  
5 custody and control of the Secretary of Defense at  
6 all times; and

7           (2) be returned to United States Naval Station,  
8 Guantanamo Bay, Cuba, as soon as feasible after a  
9 Department of Defense physician determines, in con-  
10 sultation with the Commander, Joint Task Force-  
11 Guantanamo Bay, Cuba, that any necessary follow-  
12 up medical care may reasonably be provided the in-  
13 dividual at United States Naval Station, Guanta-  
14 namo Bay.

15          (d) STATUS WHILE IN UNITED STATES.—An indi-  
16 vidual who is temporarily transferred under the authority  
17 in subsection (a), while in the United States—

18           (1) shall be deemed at all times and in all re-  
19 spects to be in the uninterrupted custody of the Sec-  
20 retary of Defense, as though the individual remained  
21 physically at United States Naval Station, Guanta-  
22 namo Bay, Cuba;

23           (2) shall not at any time be subject to, and may  
24 not apply for or obtain, or be deemed to enjoy, any  
25 right, privilege, status, benefit, or eligibility for any

1 benefit under any provision of the immigration laws  
2 (as defined in section 101(a)(17) of the Immigration  
3 and Nationality Act (8 U.S.C. 1101(a)(17)), or any  
4 other law or regulation;

5 (3) shall not be permitted to avail himself of  
6 any right, privilege, or benefit of any law of the  
7 United States beyond those available to individuals  
8 detained at United States Naval Station, Guanta-  
9 namo Bay; and

10 (4) shall not, as a result of such transfer, have  
11 a change in any designation that may have attached  
12 to that detainee while detained at United States  
13 Naval Station, Guantanamo Bay, pursuant to the  
14 Authorization for Use of Military Force (Public Law  
15 107–40), as determined in accordance with applica-  
16 ble law and regulations.

17 (e) NO CAUSE OF ACTION.—Any decision to transfer  
18 or not to transfer an individual made under the authority  
19 in subsection (a) shall not give rise to any claim or cause  
20 of action.

21 (f) LIMITATION ON JUDICIAL REVIEW.—

22 (1) LIMITATION.—Except as provided in para-  
23 graph (2), no court, justice, or judge shall have ju-  
24 risdiction to hear or consider any claim or action  
25 against the United States or its departments, agen-

1       cies, officers, employees, or agents arising from or  
2       relating to any aspect of the detention, transfer,  
3       treatment, or conditions of confinement of an indi-  
4       vidual transferred under this section.

5           (2) EXCEPTION FOR HABEAS CORPUS.—The  
6       United States District Court for the District of Co-  
7       lumbia shall have exclusive jurisdiction to consider  
8       an application for writ of habeas corpus seeking re-  
9       lease from custody filed by or on behalf of an indi-  
10      vidual who is in the United States pursuant to a  
11      temporary transfer under the authority in subsection  
12      (a). Such jurisdiction shall be limited to that re-  
13      quired by the Constitution, and relief shall be only  
14      as provided in paragraph (3). In such a proceeding  
15      the court may not review, halt, or stay the return of  
16      the individual who is the object of the application to  
17      United States Naval Station, Guantanamo Bay,  
18      Cuba, pursuant to subsection (c).

19           (3) RELIEF.—A court order in a proceeding  
20      covered by paragraph (2)—

21           (A) may not order the release of the indi-  
22      vidual within the United States; and

23           (B) shall be limited to an order of release  
24      from custody which, when final, the Secretary  
25      of Defense shall implement in accordance with

1 section 1034 of the National Defense Author-  
2 ization Act for Fiscal Year 2016 (10 U.S.C.  
3 801 note).

4 (g) NOTIFICATION.—Whenever a temporary transfer  
5 of an individual detained at Guantanamo is made under  
6 the authority of subsection (a), the Secretary of Defense  
7 shall notify the Committees on Armed Services of the Sen-  
8 ate and the House of Representatives of the transfer not  
9 later than five days after the date on which the transfer  
10 is made.

11 (h) INDIVIDUAL DETAINED AT GUANTANAMO DE-  
12 FINED.—In this section, the term “individual detained at  
13 Guantanamo” means an individual located at United  
14 States Naval Station, Guantanamo Bay, Cuba, as of Octo-  
15 ber 1, 2009, who—

16 (1) is not a national of the United States (as  
17 defined in section 101(a)(22) of the Immigration  
18 and Nationality Act (8 U.S.C. 1101(a)(22)) or a  
19 member of the Armed Forces of the United States;  
20 and

21 (2) is—

22 (A) in the custody or under the control of  
23 the Department of Defense; or

24 (B) otherwise detained at United States  
25 Naval Station, Guantanamo Bay.

1 (i) APPLICABILITY.—This section shall apply to an  
2 individual temporarily transferred under the authority in  
3 subsection (a) regardless of the status of any pending or  
4 completed proceeding or detention on the date of the en-  
5 actment of this Act.

## 6 **Subtitle D—Miscellaneous** 7 **Authorities and Limitations**

### 8 **SEC. 1031. STRATEGIC GUIDANCE DOCUMENTS WITHIN THE** 9 **DEPARTMENT OF DEFENSE.**

10 Section 113(g) of title 10, United States Code, is  
11 amended by striking paragraphs (2) through (4) and in-  
12 serting the following new paragraphs (2) through (4):

13 “(2)(A) In implementing the requirement in para-  
14 graph (1), the Secretary, with the advice of the Chairman  
15 of the Joint Chiefs of Staff, shall each year provide to  
16 the officials and officers referred in paragraph (1)(A), and  
17 submit to the congressional defense committees, written  
18 guidance (to be known as ‘Defense Planning Guidance’)  
19 establishing goals, priorities, and objectives, including fis-  
20 cal constraints, to direct the preparation and review of the  
21 program and budget recommendations of all elements of  
22 the Department, including—

23 “(i) the priority military missions of the De-  
24 partment, including the assumed force planning sce-  
25 narios and constructs;



1           “(ii) the force size and shape, force posture, de-  
2           fense capabilities, force readiness, infrastructure, or-  
3           ganization, personnel, technological innovation, and  
4           other elements of the defense program necessary to  
5           support the strategy required by paragraph (1);

6           “(iii) the resource levels projected to be avail-  
7           able for the period of time for which such rec-  
8           ommendations and proposals are to be effective; and

9           “(iv) a discussion of any changes in the strat-  
10          egy required by paragraph (1) and assumptions un-  
11          derpinning the strategy, as required by paragraph  
12          (1).

13          “(B) The guidance required by this paragraph shall  
14          be produced in February each year in order to support  
15          the planning and budget process. The guidance shall be  
16          submitted to the congressional defense committees to-  
17          gether with the budget of the President (as submitted to  
18          Congress pursuant to section 1105(a) of title 31) for the  
19          fiscal year beginning in the year in which such guidance  
20          is submitted.

21          “(3)(A) In implementing the requirement in para-  
22          graph (1) and in conjunction with the reporting require-  
23          ment in section 2687a of this title, the Secretary, with  
24          the approval of the President and the advice of the Chair-  
25          man of the Joint Chiefs of Staff, shall, on the basis pro-

1 vided in subparagraph (E), provide to the officials and of-  
2 ficers referred to in paragraph (1)(A), and submit to the  
3 congressional defense committees, written guidance (to be  
4 known as ‘Contingency Planning Guidance’ or ‘Guidance  
5 for Employment of the Force’) on the preparation and re-  
6 view of contingency and campaign plans, including plans  
7 for providing support to civil authorities in an incident of  
8 national significance or a catastrophic incident, for home-  
9 land defense, and for military support to civil authorities.

10 “(B) The guidance required by this paragraph shall  
11 include the following:

12 “(i) A description of the manner in which lim-  
13 ited existing forces and resources shall be prioritized  
14 and apportioned to achieve the objectives described  
15 in the strategy required by paragraph (1).

16 “(ii) A description of the relative priority of  
17 contingency and campaign plans, specific force lev-  
18 els, and supporting resource levels projected to be  
19 available for the period of time for which such plans  
20 are to be effective.

21 “(C) The guidance required by this paragraph shall  
22 include the following:

23 “(i) Prioritized global, regional, and functional  
24 policy objectives that the armed forces should plan

1 to achieve, including plans for deliberate and contin-  
2 gency scenarios.

3 “(ii) Policy and strategic assumptions that  
4 should guide military planning, including the role of  
5 foreign partners.

6 “(iii) Guidance on global posture and global  
7 force management.

8 “(iv) Security cooperation priorities.

9 “(v) Specific guidance on United States and  
10 Department nuclear policy.

11 “(D) The guidance required by this paragraph shall  
12 be the primary source document to be used by the Chair-  
13 man of the Joint Chiefs of Staff in—

14 “(i) executing the global military integration re-  
15 sponsibilities described in section 153 of this title;  
16 and

17 “(ii) developing implementation guidance for  
18 the Joint Chiefs of Staff and the commanders of the  
19 combatant commands.

20 “(E) The guidance required by this paragraph shall  
21 be produced every two years, or more frequently as need-  
22 ed.

23 “(F) The guidance required by this paragraph shall  
24 be submitted to the congressional defense committees as  
25 required by subparagraph (A) in February of each year

1 in which produced, and shall be accompanied by any writ-  
2 ten implementation documentation produced by the Chair-  
3 man of the Joint Chiefs of Staff for purposes of such guid-  
4 ance.

5 “(4)(A) In implementing the requirement in para-  
6 graph (1), the Secretary, with the advice of the Chairman  
7 of the Joint Chiefs of Staff, shall each year produce, and  
8 submit to the congressional defense committee, a report  
9 (to be known as the ‘Global Defense Posture Report’) that  
10 shall include the following:

11 “(i) A description of major changes to United  
12 States forces, capabilities, and equipment assigned  
13 and allocated outside the United States, focused on  
14 significant alterations, additions, or reductions to  
15 such global defense posture that are required to exe-  
16 cute the strategy and plans of the Department.

17 “(ii) A description of the supporting network of  
18 infrastructure, facilities, pre-positioned stocks, and  
19 war reserve materiel required for execution of major  
20 contingency plans of the Department.

21 “(iii) A list of all enduring locations, including  
22 main operating bases, forward operating sites, and  
23 cooperative security locations.

1           “(iv) A description of the status of treaty, ac-  
2           cess, cost-sharing, and status-protection agreements  
3           with foreign nations.

4           “(v) A summary of the priority posture initia-  
5           tives for each region by the commanders of the com-  
6           batant commands.

7           “(vi) For each military department, a summary  
8           of the implications for overseas posture of any force  
9           structure changes.

10          “(vii) A description of the costs incurred out-  
11          side the United States during the preceding fiscal  
12          year in connection with operating, maintaining, and  
13          supporting United States forces outside the United  
14          States for each military department, broken out by  
15          country, and whether for operation and mainte-  
16          nance, infrastructure, or transportation.

17          “(viii) A description of the amount of direct  
18          support for the stationing of United States forces  
19          provided by each host nation during the preceding  
20          fiscal year.

21          “(B) The report required by this paragraph shall be  
22          submitted to the congressional defense committees as re-  
23          quired by subparagraph (A) by not later than April 30  
24          each year.

1 “(C) In this paragraph, the term ‘United States’,  
2 when used in a geographic sense, includes the territories  
3 and possessions of the United States”.

4 **SEC. 1032. GUIDANCE ON THE ELECTRONIC WARFARE MIS-**  
5 **SION AREA AND JOINT ELECTROMAGNETIC**  
6 **SPECTRUM OPERATIONS.**

7 (a) PROCESSES AND PROCEDURES FOR INTEGRA-  
8 TION.—The Secretary of Defense shall—

9 (1) establish processes and procedures to de-  
10 velop, integrate, and enhance the electronic warfare  
11 mission area and the conduct of joint electro-  
12 magnetic spectrum operations in all domains across  
13 the Department of Defense; and

14 (2) ensure that such processes and procedures  
15 provide for integrated defense-wide strategy, plan-  
16 ning, and budgeting with respect to the conduct of  
17 such operations by the Department, including activi-  
18 ties conducted to counter and deter such operations  
19 by malign actors.

20 (b) DESIGNATED SENIOR OFFICIAL.—

21 (1) IN GENERAL.—The Secretary shall des-  
22 ignate a senior official of the Department of Defense  
23 (in this section referred to as the “designated senior  
24 official”) who shall implement and oversee the proc-  
25 esses and procedures established under subsection

1 (a). The designated senior official shall be des-  
2 ignated by the Secretary from among individuals  
3 serving in the Department at or below the level of  
4 Under Secretary of Defense. The designated senior  
5 official shall oversee and chair the cross-functional  
6 team established pursuant to subsection (c) and the  
7 Electronic Warfare Executive Committee established  
8 in March 2015.

9 (2) RESPONSIBILITIES.—The designated senior  
10 official shall have, with respect to the implementa-  
11 tion and oversight of the processes and procedures  
12 established under subsection (a), the following re-  
13 sponsibilities:

14 (A) Development of a strategic framework  
15 for the conduct and execution of the electronic  
16 warfare mission area and joint electromagnetic  
17 spectrum operations by the Department, coordi-  
18 nated across all relevant elements of the De-  
19 partment, including both near-term and long-  
20 term guidance for the conduct of such oper-  
21 ations.

22 (B) Oversight of resource management for  
23 the development and integration of electronic  
24 warfare capabilities of the Department.

1           (3) ANNUAL CERTIFICATION ON BUDGETING  
2           FOR CERTAIN CAPABILITIES.—Each budget for fiscal  
3           years 2020 through 2024 submitted by the Presi-  
4           dent to Congress pursuant to section 1105(a) of title  
5           31, United States Code, shall include a certification  
6           by the senior designated official, as chair of the  
7           Electronic Warfare Executive Committee, whether  
8           sufficient funds are requested in such budget for an-  
9           ticipated activities in such fiscal year for each of the  
10          following:

11                   (A) The development of an Electro-  
12                   magnetic Battle Management capability for  
13                   joint electromagnetic spectrum operations.

14                   (B) The establishment and operation of as-  
15                   sociated Joint Electromagnetic Spectrum Oper-  
16                   ations cells.

17          (c) CROSS-FUNCTIONAL TEAM FOR ELECTRONIC  
18          WARFARE.—

19                   (1) ESTABLISHMENT REQUIRED.—The Sec-  
20                   retary shall, in accordance with section 911(c) of the  
21                   National Defense Authorization Act for Fiscal Year  
22                   2017 (Public Law 114–328; 130 Stat. 2345; 10  
23                   U.S.C. 111 note), establish a cross-functional team  
24                   for electronic warfare in order to identify gaps in  
25                   electronic warfare capabilities and capacities within



1 the Department across personnel, procedural, and  
2 equipment areas.

3 (2) SPECIFIC DUTIES.—The cross-functional  
4 team established pursuant to paragraph (1) shall  
5 provide recommendations to address gaps identified  
6 as described in that paragraph to the senior des-  
7 ignated official.

8 (d) PLANS AND REQUIREMENTS FOR ELECTRONIC  
9 WARFARE.—

10 (1) IN GENERAL.—The Secretary shall require  
11 the designated senior official to task the cross-func-  
12 tional team established pursuant to subsection (c) to  
13 develop requirements and specific plans for address-  
14 ing personnel and capability gaps in the electronic  
15 warfare mission area, and plans for future warfare  
16 in that domain (including a roadmap for the next  
17 five years).

18 (2) UPDATE OF STRATEGY.—Not later than  
19 180 days after the date of the enactment of this Act,  
20 the cross-functional team shall—

21 (A) update the strategy of the Department  
22 of Defense titled “The DOD Electronic Warfare  
23 Strategy” and dated June 2017 to include the  
24 roadmap referred to in paragraph (1); and

1           (B) submit the updated strategy to the  
2           designated senior official for transmittal to the  
3           congressional defense committees.

4           (3) ELEMENTS.—The requirements and plans  
5           developed by the cross-functional team pursuant to  
6           paragraph (1) shall include the following:

7                   (A) An accounting of the efforts under-  
8                   taken in support of the strategy referred to in  
9                   paragraph (2)(A) since its issuance in June  
10                  2017.

11                   (B) A description of any updates or  
12                   changes to the strategy since its issuance, and  
13                   a description of any anticipated updates or  
14                   changes to the strategy as a result of the des-  
15                   ignation of the designated senior official.

16                   (C) An assessment of vulnerabilities identi-  
17                   fied in the May 2015 Electronic Warfare as-  
18                   sessment by the Defense Science Board.

19                   (D) An assessment of the capability of  
20                   joint forces to conduct joint electromagnetic  
21                   spectrum operations against near-peer adver-  
22                   saries and any capability or capacity gaps in  
23                   such capability that need to be addressed, in-  
24                   cluding an assessment of the ability of joint  
25                   forces to conduct coordinated military oper-

1            actions to exploit, attack, protect, and manage  
2            the electromagnetic environment in the Signals  
3            Intelligence, Electronic Warfare, and Spectrum  
4            Management mission areas.

5            (E) A review of the roles of offices within  
6            the Joint Staff, the Office of the Secretary of  
7            Defense, and the combatant commands with  
8            primary responsibility for joint electromagnetic  
9            spectrum policy and operations.

10           (F) A description of any assumptions  
11           about the roles and contributions of the Depart-  
12           ment, in coordination with other departments  
13           and agencies of the United States Government,  
14           with respect to the strategy.

15           (G) A description of actions, performance  
16           metrics, and projected timelines for achieving  
17           key capabilities for electronic warfare and joint  
18           electromagnetic spectrum operations to cor-  
19           respond to the four thematic goals identified in  
20           the strategy and as addressed by the roadmap.

21           (H) An analysis of any personnel,  
22           resourcing, capability, authority, or other gaps  
23           to be addressed in order to ensure effective im-  
24           plementation of the strategy across all relevant

1 elements of the Department, including an up-  
2 date on each of the following:

3 (i) The development of an Electro-  
4 magnetic Battle Management capability for  
5 joint electromagnetic spectrum operations.

6 (ii) The establishment and operation  
7 of Joint Electromagnetic Spectrum Oper-  
8 ations cells at critical combatant command  
9 locations.

10 (I) An investment framework and pro-  
11 jected timeline for addressing any gaps de-  
12 scribed by subparagraph (H).

13 (J) In consultation with the Director of the  
14 Defense Intelligence Agency—

15 (i) a comprehensive assessment of the  
16 electronic warfare capabilities of the Rus-  
17 sian Federation and People's Republic of  
18 China;

19 (ii) a review of vulnerabilities with re-  
20 spect to electronic systems, such as the  
21 Global Positioning System, and in Depart-  
22 ment-wide abilities to conduct counter-  
23 measures in response to electronic warfare  
24 attacks; and

1 (iii) a holistic study of all aspects of  
2 the manner in which the Russian Federa-  
3 tion and the People's Republic of China  
4 develop electronic warfare doctrine, with  
5 order of battle across multiple domains,  
6 and long-term research trends of each  
7 country in connection with such warfare.

8 (K) Such other matters as the Secretary  
9 considers appropriate.

10 (4) PERIODIC STATUS REPORTS.—Not later  
11 than 90 days after the requirements and plans re-  
12 quired by paragraph (1) are submitted in accordance  
13 with paragraph (2), and every 90 days thereafter  
14 during the three-year period beginning on the date  
15 such plans and requirements are first submitted in  
16 accordance with paragraph (2), the designated sen-  
17 ior official shall submit to the congressional defense  
18 committees a report describing the status of the ef-  
19 forts of the Department in accomplishing the tasks  
20 specified in subparagraphs (B) and (G) of para-  
21 graph (3).

22 (e) TRAINING AND EDUCATION.—Consistent with the  
23 elements under subsection (d)(3) of the plans and require-  
24 ments required by subsection (d)(1), the cross-functional  
25 team established pursuant to subsection (c) shall provide

1 the senior designated official recommendations for pro-  
2 grams to provide training and education to such members  
3 of the Armed Forces and civilian employees of the Depart-  
4 ment as the Secretary considers appropriate in order to  
5 ensure that such members and employees understand the  
6 roles and vulnerabilities associated with electronic warfare  
7 and dependence on the electromagnetic spectrum.

8 **SEC. 1033. LIMITATION ON USE OF FUNDS FOR UNITED**  
9 **STATES SPECIAL OPERATIONS COMMAND**  
10 **GLOBAL MESSAGING AND COUNTER-MES-**  
11 **SAGING PLATFORM.**

12 None of the funds authorized to be appropriated by  
13 this Act may be used for United States Special Operations  
14 Command's Global Messaging and Counter-Messaging  
15 platform until the Secretary of Defense submits to the  
16 congressional defense committees a report containing the  
17 following elements:

18 (1) A review of the doctrine, organization,  
19 training, materiel, leadership and education, per-  
20 sonnel and facilities applicable to military informa-  
21 tion support personnel, including, at a minimum—

22 (A) an assessment of current doctrine, or-  
23 ganization, training, materiel, leadership and  
24 education, personnel and facilities; and

1 (B) recommended changes for enhancing  
2 the ability of military information support per-  
3 sonnel to operate effectively in the current and  
4 future information environment.

5 (2) An implementation plan for the establish-  
6 ment of the platform, including a timeline for  
7 achieving initial and full operational capability.

8 (3) A description of the budget requirements  
9 for the platform to reach full operational capability,  
10 including an identification and cost of any infra-  
11 structure and equipment requirements.

12 (4) A summary of costs to operate and sustain  
13 the platform across the future year's defense plan.

14 (5) An explanation of the Secretary's guidance  
15 to the combatant commands to ensure unity of effort  
16 and prevent the proliferation of messaging and  
17 counter-messaging platforms.

18 (6) A detailed description of the processes for  
19 deconfliction and, where possible, integration of plat-  
20 form planning and activities with those of relevant  
21 departments and agencies of the United States Gov-  
22 ernment, including the Department of State's Global  
23 Engagement Center.

1           (7) An identification of any additional authori-  
2           ties that may be required for achieving full oper-  
3           ational capability of the platform.

4           (8) Any other matters deemed relevant by the  
5           Secretary.

6 **SEC. 1034. SENSE OF CONGRESS ON THE BASING OF KC-46A**  
7                           **AIRCRAFT OUTSIDE THE CONTINENTAL**  
8                           **UNITED STATES.**

9           (a) FINDING.—Congress finds that the Department  
10          of Defense is continuing its process of permanently sta-  
11          tioning KC-46A aircraft at installations in the continental  
12          United States (CONUS) and forward-basing outside the  
13          continental United States (OCONUS).

14          (b) SENSE OF CONGRESS.—It is the sense of Con-  
15          gress that the Secretary of the Air Force, as part of the  
16          strategic basing process for KC-46A aircraft, should con-  
17          tinue to place emphasis on and consider the benefits de-  
18          rived from locations outside the continental United States  
19          that—

20                 (1) support day-to-day air refueling operations,  
21                 operations plans of the combatant commands, and  
22                 flexibility for contingency operations, and have—

23                         (A) a strategic location that is essential to  
24                         the defense of the United States and its inter-  
25                         ests;



1 (B) receivers for boom or probe-and-drogue  
2 training opportunities with joint and inter-  
3 national partners; and

4 (C) sufficient airfield and airspace avail-  
5 ability and capacity to meet requirements; and

6 (2) possess facilities that—

7 (A) take full advantage of existing infra-  
8 structure to provide—

9 (i) runway, hangars, and aircrew and  
10 maintenance operations; and

11 (ii) sufficient fuels receipt, storage,  
12 and distribution capacities for a 5-day  
13 peacetime operating stock; and

14 (B) minimize overall construction and  
15 operational costs.

16 **SEC. 1035. RELINQUISHMENT OF LEGISLATIVE JURISDIC-**  
17 **TION OF CRIMINAL OFFENSES COMMITTED**  
18 **BY JUVENILES ON MILITARY INSTALLATIONS.**

19 (a) IN GENERAL.—In the case of any military instal-  
20 lation or portion of a military installation of which exclu-  
21 sive legislative jurisdiction of criminal offenses committed  
22 by juveniles is retained by the United States as of the date  
23 of the enactment of this Act, the Secretary concerned shall  
24 seek to relinquish to the State, Commonwealth, territory,  
25 or possession concerned legislative jurisdiction of such of-

1 fenses such that the United States and the State, Com-  
2 monwealth, territory, or possession, as the case may be,  
3 have concurrent legislative jurisdiction of such offenses.

4 (b) MANNER OF RELINQUISHMENT.—Legislative ju-  
5 risdiction shall be relinquished pursuant to subsection (a)  
6 in the manner provided in section 2683(a) of title 10,  
7 United States Code.

8 (c) DEADLINE.—The Secretaries concerned shall, to  
9 the extent practicable, complete relinquishment of legisla-  
10 tive jurisdiction pursuant to subsection (a) by not later  
11 than one year after the date of the enactment of this Act.

12 (d) REPORTS.—

13 (1) IN GENERAL.—Not later than 15 months  
14 after the date of the enactment of this Act, each  
15 Secretary concerned shall submit to Congress a re-  
16 port on the relinquishment of legislative jurisdiction  
17 pursuant to subsection (a).

18 (2) ELEMENTS.—The report of a Secretary  
19 under this subsection shall include the following:

20 (A) A list of the installations or portions of  
21 installations under the jurisdiction of the Sec-  
22 retary of which exclusive legislative jurisdiction  
23 of criminal offenses committed by juveniles is  
24 retained by the United States as of the date of  
25 the enactment of this Act.

1 (B) A list of the installations or portions  
2 of installations listed pursuant to subparagraph  
3 (A) for which legislative jurisdiction was relin-  
4 quished pursuant to subsection (a) as of the  
5 date that is one year after the date of the en-  
6 actment of this Act.

7 (C) A list of the installations or portions of  
8 installations listed pursuant to subparagraph  
9 (A) for which legislative jurisdiction was not re-  
10 linquished pursuant to subsection (a) as of the  
11 date that is one year after the date of the en-  
12 actment of this Act, and, for each such installa-  
13 tion or portion of installation, the reasons why  
14 such legislative jurisdiction was not so relin-  
15 quished.

16 (e) SECRETARY CONCERNED DEFINED.—In this sec-  
17 tion, the term “Secretary concerned” has the meaning  
18 given that term in section 101(a)(9) of title 10, United  
19 States Code.

20 **SEC. 1036. POLICY ON RESPONSE TO JUVENILE-ON-JUVE-**  
21 **NILE ABUSE COMMITTED ON MILITARY IN-**  
22 **STALLATIONS.**

23 (a) IN GENERAL.—The Secretary of Defense shall es-  
24 tablish a policy, applicable across the military installations  
25 of the Department of Defense (including installations out-

1 side the United States), on the response of the Depart-  
2 ment to allegations of juvenile-on-juvenile abuse on mili-  
3 tary installations. The policy shall be designed to ensure  
4 a consistent, standardized response to such allegations  
5 across the Department.

6 (b) ELEMENTS.—The policy required by this section  
7 shall provide for the following:

8 (1) Any report or other allegation of juvenile-  
9 on-juvenile abuse on a military installation that is  
10 received by the installation commander, a law en-  
11 forcement organization, a Family Advocacy Pro-  
12 gram, a child development center, or a Department  
13 school operating on the installation or otherwise  
14 under Department administration for the installa-  
15 tion shall be reviewed by the Family Advocacy Pro-  
16 gram of the installation.

17 (2) Personnel of Family Advocacy Programs  
18 conducting reviews shall have appropriate training  
19 and experience in working with juveniles.

20 (3) Family Advocacy Programs conducting re-  
21 views shall conduct a multi-faceted, multi-discipli-  
22 nary review and recommend treatment, counseling,  
23 or other appropriate interventions for complainants  
24 and respondents.

25 (4) Each review shall be conducted—

1 (A) with full involvement of appropriate  
2 authorities and entities, including parents or  
3 legal guardians of the juveniles involved (if  
4 practicable); and

5 (B) to the extent practicable, in a manner  
6 that protects the sensitive nature of the inci-  
7 dent concerned, using language appropriate to  
8 the treatment of juveniles in written policies  
9 and communication with families.

10 (5) The requirement for investigation of a re-  
11 port or other allegation shall not be deemed to ter-  
12 minate or alter any otherwise applicable requirement  
13 to report or forward the report or allegation to ap-  
14 propriate Federal, State, or local authorities as pos-  
15 sible criminal activity.

16 (6) There shall be established and maintained a  
17 centralized database of information on each incident  
18 of abuse that is reviewed by a Family Advocacy Pro-  
19 gram under this section, with—

20 (A) the information in such database kept  
21 strictly confidential; and

22 (B) because the information involves al-  
23 leged conduct by juveniles, additional special  
24 precautions taken to ensure the information is

1 available only to persons who require access to  
2 the information.

3 (7) There shall be entered into the database,  
4 for each substantiated or unsubstantiated incident of  
5 abuse, appropriate information on the incident, in-  
6 cluding—

7 (A) a description of the allegation;

8 (B) whether or not the review is com-  
9 pleted;

10 (C) whether or not the incident was sub-  
11 ject to an investigation by a law enforcement  
12 organization or entity, and the status and re-  
13 sults of such investigation; and

14 (D) whether or not action was taken in re-  
15 sponse to the incident, and the nature of the  
16 action, if any, so taken.

## 17 **Subtitle E—Studies and Reports**

### 18 **SEC. 1041. REPORT ON HIGHEST-PRIORITY ROLES AND MIS-** 19 **SIONS OF THE DEPARTMENT OF DEFENSE** 20 **AND THE ARMED FORCES.**

21 (a) SENSE OF SENATE.—It is the sense of the Senate  
22 that—

23 (1) the National Defense Strategy correctly  
24 characterizes the leading strategic challenges facing  
25 the United States as the reemergence of great power

1 competition, the erosion of the United States mili-  
2 tary technological advantage, enduring violent extre-  
3 mism and instability in the broader Middle East and  
4 Africa, and continued uncertainty in the United  
5 States about the availability of sufficient resources  
6 for national defense;

7 (2) the National Defense Strategy correctly  
8 prioritizes the development of a more lethal joint  
9 force that is ready to deter and, if necessary, defeat  
10 aggression by great power competitors with ad-  
11 vanced military capabilities, while conducting  
12 counterterrorism operations in a more sustainable  
13 manner, together with allies and partners;

14 (3) the National Defense Strategy, and the im-  
15 plications of the Strategy for the size, structure,  
16 shape, roles, missions, and employment of the joint  
17 force, was not completed in time to inform fully the  
18 budget of the President for national defense for fis-  
19 cal year 2019;

20 (4) many Department of Defense programs of  
21 record are upgraded replacements of legacy systems  
22 that were not premised on the assumption that fu-  
23 ture conflict could occur in highly-contested environ-  
24 ments against militarily advanced near-peer rivals;

1           (5) considerable growth in the size of the mili-  
2           tary will not be possible without growth in the budg-  
3           et, because the current future-years defense program  
4           assumes that defense spending after fiscal year 2019  
5           will only increase at the rate of inflation, while costs  
6           for two of the largest drivers of costs for the Depart-  
7           ment, namely military personnel and operation and  
8           maintenance, continue to grow faster than the rate  
9           of inflation;

10           (6) the Senate strongly supports the pursuit by  
11           the Department of budgetary savings through inter-  
12           nal reform and efficiencies, but notes that previous  
13           attempts to generate additional resources through  
14           such mechanisms did not generate resources as  
15           planned;

16           (7) increased force modernization investments  
17           must be based on a rigorous reassessment of wheth-  
18           er current programs will meet present and future  
19           warfighting requirements against near-peer rivals  
20           that are making rapid military technological ad-  
21           vancements;

22           (8) the Department must conduct further ana-  
23           lytical work in order—

24                   (A) to facilitate the implementation of the  
25           National Defense Strategy, as recommended by



1 the Commission on the National Defense Strat-  
2 egy; and

3 (B) to provide Congress with a more rig-  
4 orous understanding of, and justification for,  
5 future requests for resources to organize, train  
6 and equip, and employ the Armed Forces; and

7 (9) the Senate encourages the Secretary of De-  
8 fense to refine the National Defense Strategy into  
9 more specific operational tasks and force planning  
10 scenarios that the joint force must be ready and able  
11 to perform in order to facilitate a better under-  
12 standing of joint force development priorities and  
13 the roles and missions of each Armed Force.

14 (b) REPORT ON ROLES AND MISSIONS.—

15 (1) REPORT REQUIRED.—Not later than Feb-  
16 ruary 1, 2019, the Secretary of Defense shall submit  
17 to the congressional defense committees a report set-  
18 ting forth a re-evaluation of the highest priority mis-  
19 sions of the Department of Defense, and of the roles  
20 of the Armed Forces in the performance of such  
21 missions.

22 (2) GOALS.—The goals of the re-evaluation re-  
23 quired for purposes of the report shall be as follows:

24 (A) To support implementation of the Na-  
25 tional Defense Strategy.

1           (B) To optimize the effectiveness of the  
2 joint force.

3           (C) To inform the preparation of future  
4 defense program and budget requests by the  
5 Secretary, and the consideration of such re-  
6 quests by Congress.

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

9           (1) A detailed description of the pacing threats  
10 for each Armed Force, and for special operations  
11 forces, and an assessment of the manner in which  
12 such pacing threats determine the primary role of  
13 each Armed Force, and special operations forces, in-  
14 cluding the connection between key operational tasks  
15 required by contingency plans.

16           (2) A specific requirement for the size and com-  
17 position of each Armed Force, including the fol-  
18 lowing:

19           (A) The required total end strength and  
20 force structure by type for the Army.

21           (B) The required fleet size of the Navy,  
22 identified by class of ships and the cor-  
23 responding total end strength requirement once  
24 that fleet size is achieved.

1           (C) The required number of operational  
2 Air Force squadrons, identified by function and  
3 the corresponding total end strength require-  
4 ment once that number of squadrons is  
5 achieved.

6           (D) The required total end strength and  
7 force structure by type for the Marine Corps.

8           (E) The force sizing construct used to de-  
9 termine the end strength requirements covered  
10 by subparagraphs (A) through (D), the year-by-  
11 year plan for achieving such requirements, rel-  
12 evant force posture assumptions, and the asso-  
13 ciated military personnel costs of such plan.

14           (3) A re-evaluation of the roles of the Armed  
15 Forces in performing low-intensity missions, such as  
16 counterterrorism and security force assistance, in-  
17 cluding the following:

18           (A) An assessment whether the joint force  
19 would benefit from having one Armed Force  
20 dedicated primarily to low-intensity missions,  
21 thereby enabling the other Armed Forces to  
22 focus more exclusively on advanced peer com-  
23 petitors.

24           (B) A detailed description of, and accom-  
25 panying justification for, the total amount of

1 forces required to perform the security force as-  
2 sistance mission and the planned geographic  
3 employment of such forces.

4 (C) A revalidation of the Army plan to  
5 construct six Security Force Assistant Bri-  
6 gades, and an assessment of the impact, if any,  
7 of such plan on the capability of the Army to  
8 perform its primary roles under the National  
9 Defense Strategy.

10 (D) An assessment whether the security  
11 force assistance mission would be better per-  
12 formed by the Marine Corps, and an assess-  
13 ment of the end strength and force composition  
14 changes, if any, required for the Marine Corps  
15 to assume such mission.

16 (4) A reassessment of the roles and missions of  
17 the total ground forces, both Army and Marine  
18 Corps, to execute the National Defense Strategy, in-  
19 cluding the following:

20 (A) A detailed description of the allocation  
21 of roles for the Army and Marine Corps in de-  
22 terring and waging war against advanced peer  
23 competitors that can complement the activities  
24 and investments of each such Armed Force and

1 optimize the capabilities of each such Armed  
2 Force.

3 (B) A detailed description of the appro-  
4 priate balance and mix of Army force structure,  
5 including light infantry, mechanized infantry,  
6 armor, air defense, fires, engineers, aviation,  
7 signals, and logistics, that is required to per-  
8 form the roles and missions of the Army  
9 against its pacing threats.

10 (C) A detailed description of the modern-  
11 ized capabilities and concepts to be developed  
12 by the Army to contribute to joint force oper-  
13 ations against advanced peer competitors, in-  
14 cluding the manner in which Army aviation will  
15 evolve in light of unmanned aerial vehicle tech-  
16 nology.

17 (D) A revalidation of the requirement for  
18 ground force modernization efforts, including  
19 the Joint Light Tactical Vehicle, Future  
20 Vertical Lift, and Mobile Protected Fires, that  
21 are not optimized for conflict between the  
22 United States and advanced peer competitors.

23 (E) A detailed description of requirements  
24 for Army forces needed to support theater oper-  
25 ations.

1           (5) An assessment, based on operational plans,  
2 of the ability of power projection platforms to sur-  
3 vive and effectively perform the highest priority  
4 operational missions described in the National De-  
5 fense Strategy, including the following:

6           (A) An assessment of the feasibility of the  
7 current plans and investments by the Navy and  
8 Marine Corps to operate and defend their sea  
9 bases in contested environments.

10          (B) An assessment whether amphibious  
11 forced entry operations against advanced peer  
12 competitors should remain an enduring mission  
13 for the joint force considering the stressing  
14 operational nature and significant resource re-  
15 quirements of such mission.

16          (C) An assessment whether a transition  
17 from large-deck amphibious ships to small air-  
18 craft carriers would result in a more lethal and  
19 survivable Marine Corps sea base that could ac-  
20 commodate larger numbers of more diverse  
21 strike aircraft.

22          (D) An assessment of the manner in which  
23 an acceleration of development and fielding of  
24 longer-range, unmanned, carrier-suitable strike  
25 aircraft could better meet operational require-

1           ments and alter the requirement for shorter-  
2           range, manned tactical fighter aircraft.

3           (E) An assessment of the manner in which  
4           the emerging technology to operate large num-  
5           bers of low-cost, autonomous, attributable sys-  
6           tems in the air, on and under the sea, on land,  
7           and in space could change the manner in which  
8           the joint force projects power globally.

9           (6) An assessment, based on operational plans,  
10          of the ability of manned, stealthy, penetrating strike  
11          platforms to survive and perform effectively the  
12          highest priority operational missions described in the  
13          National Defense Strategy, including the following:

14           (A) An assessment whether anticipated ad-  
15           vances in stealth technology and the employ-  
16           ment of such technology on existing or develop-  
17           mental systems, such as the F-35 and B-21  
18           aircraft, can be expected to outpace and over-  
19           match adversary capabilities to detect and tar-  
20           get such systems.

21           (B) An assessment of the ability of fourth  
22           generation aircraft with advanced sensors and  
23           weapons to perform certain missions equally or  
24           more effectively than the missions assigned to,

1 or envisioned for, fifth-generation penetrating  
2 strike platforms.

3 (C) An assessment of the manner in which  
4 the emerging technology to operate large num-  
5 bers of low-cost, autonomous, attributable sys-  
6 tems in the air, on and under the sea, on land,  
7 and in space could obviate or reduce the re-  
8 quirement for penetrating strike platforms.

9 (7) A re-evaluation of the most effective and ef-  
10 ficient means for the joint force to perform the air  
11 superiority mission in both contested and  
12 uncontested environments, including the following:

13 (A) An assessment of the ability to achieve  
14 air superiority from other domains, including  
15 with land-based systems, naval systems, under-  
16 sea systems, space-based systems, electronic  
17 warfare systems, or cyber capabilities.

18 (B) A validation of the envisioned oper-  
19 ational and cost effectiveness of the Penetrating  
20 Counter-Air platform, and of the requirement  
21 for developing this system as part of the Air  
22 Force Next Generation Air Dominance pro-  
23 gram.

24 (C) A detailed description of the optimal  
25 mix across the joint force of fourth-generation



1 and fifth-generation fighter aircraft, bomber  
2 aircraft, and Next Generation Air Dominance  
3 systems to fulfill operational demands for air  
4 superiority.

5 (D) A detailed description of the manner  
6 in which the joint force will perform the mission  
7 of light aerial attack in uncontested environ-  
8 ments to support counterterrorism and security  
9 force assistance missions, and the mission of  
10 countering violent extremism operations, at the  
11 lowest cost to the readiness of advanced,  
12 multirole combat aircraft.

13 (E) A determination of what Armed Force,  
14 in addition to the Air Force, should have a role  
15 in the mission of light air attack in uncontested  
16 environments.

17 (8) A reevaluation of the roles and missions of  
18 the joint special operations enterprise, including the  
19 following:

20 (A) A detailed assessment whether the  
21 joint special operations enterprise is currently  
22 performing too many missions worldwide, and  
23 whether any such missions could be performed  
24 adequately and more economically by conven-  
25 tional units.

1 (B) A detailed assessment whether the  
2 global allocation of special operations forces,  
3 and especially the most capable units, is aligned  
4 to the pacing threats and priority missions of  
5 the National Defense Strategy.

6 (C) A detailed description of the changes  
7 required to align the joint special operations en-  
8 terprise more effectively with the National De-  
9 fense Strategy.

10 (9) An assessment of the manner in which in-  
11 creased use of the space domain should revise or re-  
12 allocate the requirements of the joint force, includ-  
13 ing the following:

14 (A) A detailed description of the missions,  
15 including joint moving target indication, air  
16 battle management, and missile and aircraft  
17 tracking and targeting, that could be performed  
18 more effectively from space-based platforms due  
19 to emerging technology and operational require-  
20 ments.

21 (B) An assessment of the manner in which  
22 the joint force can take advantage of the devel-  
23 opment and deployment of disaggregated com-  
24 mercial satellite Internet constellations to re-  
25 place legacy tactical communications networks

1 and devices and achieve multi-domain command  
2 and control more effectively and at lower cost.

3 (C) An assessment of the manner in which  
4 to ensure that the joint force has access to  
5 technologies that deliver superior offensive  
6 space capabilities and a maneuver advantage to  
7 and within the space domain, including reusable  
8 launch systems and spacecraft, on-orbit refuel-  
9 ing and manufacturing, on-orbit power genera-  
10 tion, and exploitation of space minerals and  
11 propellants.

12 (D) A detailed description of the actions to  
13 be taken by components of the Department to  
14 promote and protect the development of a licit  
15 space economy, including the following:

16 (i) Defense of commercial activities,  
17 facilities, and claims.

18 (ii) Safety of navigation.

19 (iii) Rescue and recovery.

20 (iv) Construction and maintenance of  
21 public works in Cis-Lunar Space.

22 (v) Active debris remediation.

23 (vi) Establishment of an on-orbit na-  
24 tional strategic reserve of space minerals  
25 and propellants.

1           (10) A reassessment of the manner in which the  
2 joint force will perform the mission of logistics in  
3 contested environments, including the following:

4           (A) A revalidation of the requirement for  
5 the KC-46 tanker aircraft, including an assess-  
6 ment of the aerial refueling requirements in  
7 contested environments and a greater reliance  
8 on distributed systems of systems.

9           (B) A detailed assessment whether the  
10 mission of logistics in contested environments  
11 could be better performed by larger numbers of  
12 lower-cost, autonomous systems capable of dis-  
13 persed operations on land, at sea, and in the  
14 air.

15           (C) A detailed assessment whether greater  
16 forward stationing of joint force capabilities and  
17 personnel would be more operationally effective  
18 in performing the contact and blunt missions of  
19 the National Defense Strategy.

20           (d) FORM.—The report required in subsection (b)  
21 shall be submitted in classified form, and shall include an  
22 unclassified summary.

1 **SEC. 1042. ANNUAL REPORTS BY THE ARMED FORCES ON**  
2 **OUT-YEAR UNCONSTRAINED TOTAL MUNI-**  
3 **TIONS REQUIREMENTS AND OUT-YEAR IN-**  
4 **VENTORY NUMBERS.**

5 (a) REPORTS REQUIRED.—Chapter 9 of title 10,  
6 United States Code, is amended by inserting after section  
7 222a the following new section:

8 **“§ 222b. Armed forces: Out-Year Unconstrained Total**  
9 **Munitions Requirements; Out-Year inven-**  
10 **tory numbers**

11 “(a) ANNUAL REPORTS.—At the same time each year  
12 that the budget for the fiscal year beginning in such year  
13 is submitted to Congress pursuant to section 1105(a) of  
14 title 31, the chief of staff of each armed force (other than  
15 the Coast Guard) shall submit to the congressional defense  
16 committees a report setting forth for such armed force  
17 each of the following for such fiscal year, broken out as  
18 specified in subsection (b):

19 “(1) The Out-Year Unconstrained Total Muni-  
20 tions Requirement.

21 “(2) The Out-Year inventory numbers.

22 “(b) PRESENTATION.—The Out-Year Unconstrained  
23 Total Munitions Requirement and Out-Year inventory  
24 numbers for an armed force for a fiscal year pursuant to  
25 subsection (a) shall include specific inventory objective re-

1 requirements for each variant of munitions with respect to  
2 each of the following:

3           “(1) Combat Requirement, broken out by oper-  
4 ation plan (OPLAN).

5           “(2) Current Operation/Forward Presence Re-  
6 quirement.

7           “(3) Strategic Readiness Requirement.

8           “(4) Homeland Defense.

9           “(5) Training and Testing Requirement.

10           “(6) Total Out-Year Unconstrained Total Mu-  
11 nitions Requirement, calculated in accordance with  
12 the implementation guidance described in subsection  
13 (c).

14           “(7) Out-year worldwide inventory.

15           “(c) IMPLEMENTATION GUIDANCE USED.—In sub-  
16 mitting information pursuant to subsection (a) for a fiscal  
17 year, the chief of staff of each armed force shall describe  
18 and explain the munitions requirements process implemen-  
19 tation guidance developed by the Under Secretary of De-  
20 fense for Acquisition and Sustainment and used by such  
21 armed force for the munitions requirements process for  
22 such armed force for that fiscal year.

23           “(d) DEFINITIONS.—In this section:

1           “(1) The term ‘chief of staff’, with respect to  
2           the Marine Corps, means the Commandant of the  
3           Marine Corps.

4           “(2) The term ‘Out-Year Unconstrained Total  
5           Munitions Requirement’ has the meaning given that  
6           term in and for purposes of Department of Defense  
7           Instruction 3000.04, or any successor instruction.”.

8           (b) CLERICAL AMENDMENT.—The table of sections  
9           at the beginning of chapter 9 of such title is amended by  
10          inserting after the item relating to section 222a the fol-  
11          lowing new item:

          “222b. Armed forces: Out-Year Unconstrained Total Munitions Requirements;  
          Out-Year inventory numbers.”.

12       **SEC. 1043. COMPREHENSIVE REVIEW OF OPERATIONAL**  
13                               **AND ADMINISTRATIVE CHAINS-OF-COMMAND**  
14                               **AND FUNCTIONS OF THE DEPARTMENT OF**  
15                               **THE NAVY.**

16          (a) IN GENERAL.—The Secretary of the Navy shall  
17          conduct a comprehensive review of the operational and ad-  
18          ministrative chains-of-command and functions of the De-  
19          partment of the Navy.

20          (b) ELEMENTS.—In conducting the review required  
21          by subsection (a), the Secretary shall consider options to  
22          do each of the following:

23                  (1) Increase visibility of unit-level readiness at  
24                  senior levels.

1           (2) Reduce so-called “double-hatting” and “tri-  
2           ple-hatting” commanders.

3           (3) Clarify organizations responsible and ac-  
4           countable for training and certification at the unit,  
5           group, and fleet level.

6           (4) Simplify reporting requirements applicable  
7           to commanding officers.

8           (c) REPORT.—

9           (1) IN GENERAL.—Not later than 180 days  
10          after the date of the enactment of this Act, the Sec-  
11          retary shall submit to the congressional defense com-  
12          mittees a report on the results of the review required  
13          by subsection (a). The report shall include the fol-  
14          lowing:

15                (A) The results of the review, including  
16                any findings of the Secretary as a result of the  
17                review.

18                (B) Any organizational changes in oper-  
19                ational or administrative chains-of-command or  
20                functions of the Department undertaken or to  
21                be undertaken by the Secretary in light of the  
22                review.

23                (C) Any recommendations for legislative or  
24                administration action with respect to the oper-  
25                ational or administrative chains-of-command or



1 functions of the Department as the Secretary  
2 considers appropriate in light of the review.

3 (2) FORM.—The report under this subsection  
4 shall be submitted in unclassified form, but may in-  
5 clude a classified annex.

6 **SEC. 1044. MILITARY AVIATION READINESS REVIEW IN SUP-**  
7 **PORT OF THE NATIONAL DEFENSE STRAT-**  
8 **EGY.**

9 (a) REPORT REQUIRED.—Not later than one year  
10 after the date of the enactment of this Act, the Secretary  
11 of Defense shall submit to the Committees on Armed Serv-  
12 ices of the Senate and the House of Representatives a re-  
13 port on military aviation readiness in support of the Na-  
14 tional Defense Strategy (NDS).

15 (b) REVIEW FOR REPORT PURPOSES.—

16 (1) IN GENERAL.—The report under subsection  
17 (a) shall be based on a review conducted for pur-  
18 poses of the report in accordance with this section.

19 (2) PANEL.—The review shall be conducted by  
20 a panel consisting of the following:

21 (A) The Commander of the Air Combat  
22 Command, who shall head the panel.

23 (B) The Commander of the Army Aviation  
24 Branch.

25 (C) The Chief of Naval Air Forces.

1 (D) The Deputy Commandant of the Ma-  
2 rine Corps for Aviation.

3 (E) Such other personnel of the Depart-  
4 ment of Defense as the Secretary considers ap-  
5 propriate.

6 (c) REVIEW ELEMENTS.—The review required by  
7 subsection (b) shall address the following:

8 (1) An analysis of the career progression of  
9 military pilots and non-pilot aviators, including a  
10 comparison between military pilot and non-pilot avi-  
11 ators, on the one hand, and other military speciali-  
12 ties, on the other hand, with respect to each of the  
13 following:

14 (A) Tours of duty.

15 (B) Assignment lengths.

16 (C) Minimum service commitments.

17 (D) Professional performance evaluation  
18 systems.

19 (E) Statutory and administrative pro-  
20 motion processes.

21 (2) An analysis of aircrew aviation training for  
22 various aircraft platforms, including—

23 (A) an historical analysis, covering the  
24 past 15 years, of first and second assignment  
25 total flight hours and model-specific flight

1 hours for military pilots and non-pilot aviators;  
2 and

3 (B) an analysis of the flight hour program  
4 in order to determine the appropriate level of  
5 required monthly flight hours and sorties to  
6 maintain currency (minimum safe level) and  
7 proficiency (minimum level to be tactically com-  
8 petent).

9 (3) An analysis of the effect of recent oper-  
10 ational deployments on the ability of military pilots  
11 and non-pilot aviators to build and maintain readi-  
12 ness for potential threats from a near-peer adver-  
13 sary, including—

14 (A) a comparison of rates of simulator  
15 usage for military pilots and non-pilot aviators  
16 within and not within the pre-deployment train-  
17 ing window; and

18 (B) an assessment of the suitability of  
19 training curriculum to address high-end combat  
20 operations against a near-peer adversary.

21 (4) An analysis of aviation squadron size and  
22 composition, including—

23 (A) individual unit-level aircraft allocation;

24 (B) aviation platform-specific force struc-  
25 ture; and

1 (C) quantity of squadrons within each  
2 aviation platform.

3 (5) An analysis of aviation squadron manning  
4 documents on appropriate levels and composition of  
5 military pilots, non-pilot aviators, and non-aircrew  
6 for each squadron in support of the most current  
7 National Defense Strategy, including a consideration  
8 of—

9 (A) appropriate levels and composition of  
10 military pilots, non-pilot aviators, and non-air-  
11 crew for each squadron in support of such Na-  
12 tional Defense Strategy;

13 (B) flight-related workload compared with  
14 non-flight related workload for military pilots  
15 and non-pilot aviators;

16 (C) the number of different aircraft plat-  
17 forms to which enlisted maintenance personnel  
18 are expected to be assigned throughout a typ-  
19 ical career; and

20 (D) career training milestones for enlisted  
21 maintenance personnel, and the effects of such  
22 milestones on military aviation readiness.

23 (6) An analysis of logistics programs in support  
24 of military aviation readiness, including—

1 (A) an evaluation of any shortfalls in logis-  
2 tics programs that serve as contributing factors  
3 to both military pilot retention and overall read-  
4 iness of military aviation units;

5 (B) an analysis of aircraft parts cannibal-  
6 ization rates;

7 (C) a determination of average mission ca-  
8 pable ratings for aircraft throughout the var-  
9 ious stages of the deployment cycle;

10 (D) an analysis of rates of reassignment of  
11 aircraft from non-deploying units to deploying  
12 units; and

13 (E) an identification of individual aircraft  
14 communities, if any, with strained supply  
15 chains with single-source suppliers.

16 **SEC. 1045. REPORT ON CAPABILITIES AND CAPACITIES OF**  
17 **ARMORED BRIGADE COMBAT TEAMS.**

18 (a) IN GENERAL.—Not later than 60 days after the  
19 date of the enactment of this Act, the Secretary of the  
20 Army shall submit to the congressional defense commit-  
21 tees a report on the capabilities and capacities of Armored  
22 Brigade Combat Teams (ABCTs).

23 (b) ELEMENTS.—The report required under sub-  
24 section (a) shall include the following:

1           (1) A description of the total number of Ar-  
2 armored Brigade Combat Teams required to support  
3 the National Defense Strategy (NDS).

4           (2) A description of the manner in which the  
5 Army plans to equip and field future Armored Bri-  
6 gade Combat Teams.

7           (3) A description of the total number of mecha-  
8 nized infantry companies required in support of the  
9 Armored Brigade Combat Teams.

10          (4) A description of steps being taken to im-  
11 prove the number and quality of live-fire gunnery ex-  
12 ercises executed each year, including improving exe-  
13 cution of battalion and brigade-level combined arms  
14 live-fire exercises both at home station and at the  
15 Combat Training Centers.

16          (5) A description of training being conducted to  
17 train Armored Brigade Combat Teams in combined  
18 arms for air defense and to counter unmanned aerial  
19 vehicles with organic weapons and tactics.

20          (6) A plan to improve personnel preparedness  
21 by the reduction of non-deployable soldiers and im-  
22 provements in combat vehicle crew stability and ma-  
23 terial readiness of key combat systems.

1           (7) A description of deficiencies in repair parts  
2           and number of qualified mechanics, and a plan to  
3           correct such deficiencies.

4           (8) A plan for the modernization of the Ar-  
5           mored Brigade Combat Teams.

6 **SEC. 1046. IMPROVEMENT OF ANNUAL REPORT ON CIVIL-**  
7                           **IAN CASUALTIES IN CONNECTION WITH**  
8                           **UNITED STATES MILITARY OPERATIONS.**

9           (a) MODIFICATION AND EXPANSION OF ELE-  
10 MENTS.—Subsection (b) of section 1057 of the National  
11 Defense Authorization Act for Fiscal Year 2018 (Public  
12 Law 115–91) is amended—

13           (1) in paragraph (1), by inserting “, including  
14           each specific mission, strike, engagement, raid, or  
15           incident,” after “military operations”;

16           (2) in paragraph (2)(E), by inserting before the  
17           period at the end the following: “, including a dif-  
18           ferentiation between those killed and those injured”;

19           (3) in paragraph (3), by inserting before the pe-  
20           riod at the end the following: “, and, when appro-  
21           priate, makes ex gratia payments to the victims or  
22           their families”;

23           (4) by redesignating paragraph (5) as para-  
24           graph (6); and

1           (5) by inserting after paragraph (4) the fol-  
2           lowing new paragraph (5):

3           “(5) Any update or modification to any report  
4           under this section during a previous year.”.

5           (b) SCOPE OF UNCLASSIFIED FORM OF REPORT.—  
6           Subsection (d) of such section is amended by adding at  
7           the end the following new sentence: “The unclassified form  
8           of each report shall, at a minimum, be responsive to each  
9           element under subsection (b) of a report under subsection  
10          (a), and shall be made available to the public at the same  
11          time it is submitted to Congress (unless the Secretary cer-  
12          tifies in writing that the publication of such information  
13          poses a threat to the national security interests of the  
14          United States).”.

15   **SEC. 1047. REPORT ON DEPARTMENT OF DEFENSE PAR-**  
16                   **TICIPATION IN EXPORT ADMINISTRATION**  
17                   **REGULATIONS LICENSE APPLICATION RE-**  
18                   **VIEW PROCESS.**

19          (a) IN GENERAL.—Not later than 180 days after the  
20          enactment of this Act, and every 180 days thereafter until  
21          the date that is three years after such date of enactment,  
22          the Under Secretary of Defense for Policy shall submit  
23          to the congressional defense committees a report on the  
24          participation by the Department of Defense in the process  
25          for reviewing applications for export licenses under the



1 Export Administration Regulations as a reviewing agency  
2 under Executive Order 12981 (50 U.S.C. 4603 note; relat-  
3 ing to administration of export controls).

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

6 (1) The number of applications for export li-  
7 censes under the Export Administration Regulations  
8 reviewed by the Department of Defense in the 180-  
9 day period preceding the submission of the report.

10 (2) The number of instances during that 180-  
11 day period in which the Department disagreed with  
12 a final determination made with respect to such an  
13 application under the review procedures set forth in  
14 Executive Order 12981.

15 (3) A summary of such instances, including—

16 (A) a summary of the applicants for such  
17 licenses and the recipients of items pursuant to  
18 such licenses in such instances;

19 (B) a description of sensitive technologies  
20 involved in such instances; and

21 (C) a description of the rationale of the  
22 Department for disagreeing with such deter-  
23 minations.

24 (4) The number of such applications under re-  
25 view by the Department or undergoing interagency

1       dispute resolution as of the date of the submission  
2       of the report.

3       (c) FORM.—The report required by subsection (a)  
4 shall be submitted in unclassified form but may include  
5 a classified annex.

6       (d) EXPORT ADMINISTRATION REGULATIONS DE-  
7 FINED.—In this section, the term “Export Administration  
8 Regulations” means subchapter C of chapter VII of title  
9 15, Code of Federal Regulations.

10 **SEC. 1048. AUTOMATIC SUNSET FOR FUTURE STATUTORY**  
11 **REPORTING REQUIREMENTS.**

12       (a) IN GENERAL.—Chapter 23 of title 10, United  
13 States Code, is amended by inserting after section 480 the  
14 following new section:

15 **“§ 480a. Reports to Congress: termination of indefi-**  
16 **nite-duration reports after three years**

17       “(a) IN GENERAL.—Any provision of law enacted on  
18 or after the date of enactment of this section that includes  
19 an indefinite-duration report requirement shall cease to be  
20 effective, with respect to that requirement, three years  
21 after the date of the enactment of that provision of law  
22 unless that provision of law expressly states that this sec-  
23 tion is inapplicable to that requirement or that provision  
24 of law.

1       “(b) INDEFINITE-DURATION REPORT REQUIREMENT  
2 DEFINED.—In this section, the term ‘indefinite-duration  
3 requirement’ means a requirement in any provision of law  
4 for the Secretary of Defense (or any other officer or em-  
5 ployee of the Department of Defense) to submit to Con-  
6 gress (or any committee of Congress) a periodic report for  
7 which the law does not—

8               “(1) state a specific period of time as the pe-  
9               riod during which that report is required to be sub-  
10              mitted or that provision of law is in effect; or

11              “(2) state a specific termination date for the re-  
12              quirement to submit the report or for that provision  
13              of law.

14       “(c) PERIODIC REPORT DEFINED.—In this section,  
15 the term ‘periodic report’ means a report required to be  
16 submitted on an annual, semiannual, or other regular peri-  
17 odic basis.”.

18       (b) CLERICAL AMENDMENT.—The table of sections  
19 at the beginning of chapter 23 of such title is amended  
20 by inserting after the item relating to section 480 the fol-  
21 lowing new item:

“480a. Reports to Congress: termination of indefinite-duration reports after  
three years.”.

1 **SEC. 1049. REPEAL OF CERTAIN DEPARTMENT OF DEFENSE**  
2 **REPORTING REQUIREMENTS THAT OTHER-**  
3 **WISE TERMINATE AS OF DECEMBER 31, 2021.**

4 (a) TITLE 10, UNITED STATES CODE.—Title 10,  
5 United States Code, is amended as follows:

6 (1)(A) Section 229, relating to the display of  
7 budget information for programs for combating ter-  
8 rorism, is repealed.

9 (B) The table of sections at the beginning of  
10 chapter 9 is amended by striking the item relating  
11 to section 229.

12 (2)(A) Section 231a, relating to budgeting for  
13 life-cycle costs of aircraft for the Navy, Army, and  
14 Air Force, is repealed.

15 (B) The table of sections at the beginning of  
16 chapter 9 is amended by striking the item relating  
17 to section 231a.

18 (3) Section 2276, relating to commercial space  
19 launch cooperation, is amended—

20 (A) by striking subsection (e); and

21 (B) by redesignating subsections (f) and  
22 (g) as subsections (e) and (f), respectively.

23 (4) Section 7310, relating to report on repair of  
24 certain vessels in foreign shipyards, is amended by  
25 striking subsection (e).

1 (b) NATIONAL DEFENSE AUTHORIZATION ACT FOR  
2 FISCAL YEAR 2007.—Section 1017 of the John Warner  
3 National Defense Authorization Act for Fiscal Year 2007  
4 (Public Law 109–364; 120 Stat. 2379), relating to obtain-  
5 ing carriage by vessel, is amended—

6 (1) by striking subsection (e); and

7 (2) by redesignating subsection (f) as sub-  
8 section (e).

9 (c) NATIONAL DEFENSE AUTHORIZATION ACT FOR  
10 FISCAL YEAR 2008.—Section 1034(d) of the National De-  
11 fense Authorization Act for Fiscal Year 2008 (10 U.S.C.  
12 272 note), relating to distribution of chemical and biologi-  
13 cal agents to non-Federal entities, is amended—

14 (1) by striking subsection (d); and

15 (2) by redesignating subsection (e) as sub-  
16 section (d).

17 (d) NATIONAL DEFENSE AUTHORIZATION ACT FOR  
18 FISCAL YEAR 2009.—Section 1047(d) of the Duncan  
19 Hunter National Defense Authorization Act for Fiscal  
20 Year 2009 (10 U.S.C. 2366b note), relating to reports on  
21 bandwidth requirements for major defense acquisition pro-  
22 grams, is amended—

23 (1) by striking paragraph (2);

24 (2) by striking “(d) FORMAL REVIEW PROCESS  
25 FOR BANDWIDTH REQUIREMENTS .—” and all that

1 follows through “(1) IN GENERAL.—The Secretary”  
2 and inserting the following:

3 “(d) FORMAL REVIEW PROCESS FOR BANDWIDTH  
4 REQUIREMENTS.—The Secretary”; and

5 (3) by redesignating subparagraphs (A) and  
6 (B) as paragraphs (1) and (2), respectively, and in-  
7 denting appropriately.

8 (e) NATIONAL DEFENSE AUTHORIZATION ACT FOR  
9 FISCAL YEAR 2011.—Section 1217 of the Ike Skelton Na-  
10 tional Defense Authorization Act for Fiscal Year 2011 (22  
11 U.S.C. 7513 note), relating to authority to establish a pro-  
12 gram to develop and carry out infrastructure projects in  
13 Afghanistan, is amended—

14 (1) by striking subsection (i); and

15 (2) by redesignating subsection (j) as sub-  
16 section (i).

17 (f) NATIONAL DEFENSE AUTHORIZATION ACT FOR  
18 FISCAL YEAR 2015.—Section 1026 of the Carl Levin and  
19 Howard P. “Buck” McKeon National Defense Authoriza-  
20 tion Act for Fiscal Year 2015 (Public Law 113–291; 127  
21 Stat. 3490), relating to availability of funds for retirement  
22 of inactivation of Ticonderoga class cruisers or dock land-  
23 ing ships, is amended—

24 (1) by striking subsection (d); and

1           (2) by redesignating subsection (e) as sub-  
2           section (d).

3           (g) CONFORMING AMENDMENTS.—Section 1061 of  
4 the National Defense Authorization Act for Fiscal Year  
5 2017 (10 U.S.C. 111 note) is amended—

6           (1) in subsection (c), by striking paragraphs  
7           (14), (16), (41), and (59);

8           (2) in subsection (d), by striking paragraph (3);

9           (3) in subsection (g), by striking paragraph (3);

10          and

11          (4) in subsection (i), by striking paragraphs  
12          (15), (18), and (24).

13 **SEC. 1050. REPORT ON POTENTIAL IMPROVEMENTS TO**  
14                   **CERTAIN MILITARY EDUCATIONAL INSTITU-**  
15                   **TIONS OF THE DEPARTMENT OF DEFENSE.**

16          (a) REPORT REQUIRED.—

17           (1) IN GENERAL.—Not later than December 1,  
18          2019, the Secretary of Defense shall submit to the  
19          Committees on Armed Services of the Senate and  
20          the House of Representatives a report setting forth  
21          the results of a review and assessment, obtained by  
22          the Secretary for purposes of the report, of the po-  
23          tential effects on the military education provided by  
24          the educational institutions of the Department of

1 Defense specified in subsection (b) of the actions de-  
2 scribed in subsection (c).

3 (2) CONDUCTING ORGANIZATION.—The review  
4 and assessment required for purposes of the report  
5 shall be performed by an organization selected by  
6 the Secretary from among organizations independent  
7 of the Department that have expertise in the anal-  
8 ysis of matters in connection with higher education.

9 (b) EDUCATIONAL INSTITUTIONS OF THE DEPART-  
10 MENT OF DEFENSE.—The educational institutions of the  
11 Department of Defense specified in this subsection are the  
12 following:

13 (1) The senior level service schools and inter-  
14 mediate level service schools (as such terms are de-  
15 fined in section 2151(b) of title 10, United States  
16 Code).

17 (2) The Air Force Institute of Technology.

18 (3) The National Defense University.

19 (4) The Joint Special Operations University.

20 (5) The Army Armament Graduate School.

21 (6) Any other military educational institution of  
22 the Department specified by the Secretary for pur-  
23 poses of this section.

24 (c) ACTIONS.—The actions described in this sub-  
25 section with respect to the educational institutions of the



1 Department of Defense specified in subsection (b) are the  
2 following:

3 (1) Modification of admission and graduation  
4 requirements.

5 (2) Reduction or expansion of degree-granting  
6 authority.

7 (3) Reduction or expansion of the acceptance of  
8 research grants.

9 (4) Reduction of the number of attending stu-  
10 dents generally.

11 (5) Reduction of the number of attending stu-  
12 dents through the sponsoring of education of an in-  
13 creased number of students at non-Department of  
14 Defense education institutions of higher education.

15 (6) Increase in the frequency of curriculum  
16 changes to account for emerging subject matters of  
17 importance to national defense.

18 (7) Modification of civilian faculty management  
19 practices, including employment practices.

20 (d) ADDITIONAL ELEMENTS.—In addition to the  
21 matters described in subsection (a), the review and report  
22 under this section shall also include the following:

23 (1) A comparison of admission standards and  
24 graduation requirements of the educational institu-  
25 tions of the Department of Defense specified in sub-

1 section (b) with admission standards and graduation  
2 requirements of public and private institutions of  
3 higher education that are comparable to the edu-  
4 cational institutions of the Department of Defense.

5 (2) A comparison of the goals and missions of  
6 the educational institutions of the Department of  
7 Defense specified in subsection (b) with the goals  
8 and missions of such public and private institutions  
9 of higher education.

10 (3) Any other matters the Secretary considers  
11 appropriate for purposes of this section.

12 **SEC. 1051. RECRUITING COSTS OF THE ARMED FORCES.**

13 (a) BRIEFING REQUIRED.—Not later than one year  
14 after the date of the enactment of this Act, the Secretary  
15 of Defense shall brief the Committees on Armed Services  
16 of the Senate and the House of Representatives on the  
17 results of a study, conducted by the Secretary for purposes  
18 of the briefing, on the costs of the Armed Forces in re-  
19 cruiting for members of the Armed Forces.

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

22 (1) A description of the recruiting costs of each  
23 Armed Force in each of fiscal years 2010 through  
24 2019.

1           (2) An estimate of the recruiting costs of each  
2           Armed Force in each of fiscal years 2020 through  
3           2024.

4           (3) A description of the factors that contributed  
5           significantly to the recruiting costs of the Armed  
6           Forces during fiscal years 2010 through 2019.

7           (4) Any other matters in connection with the  
8           recruiting costs of the Armed Forces that the Sec-  
9           retary considers appropriate.

## 10           **Subtitle F—Other Matters**

### 11   **SEC. 1061. AUTHORITY TO TRANSFER FUNDS FOR BIEN HOA** 12           **DIOXIN CLEANUP.**

13           (a) **TRANSFER AUTHORITY.**—Notwithstanding sec-  
14           tion 2215 of title 10, United States Code, the Secretary  
15           of Defense may transfer to the Secretary of State, for use  
16           by the United States Agency for International Develop-  
17           ment, amounts to be used for the Bien Hoa dioxin cleanup  
18           in Vietnam.

19           (b) **LIMITATION ON AMOUNTS.**—Not more than  
20           \$15,000,000 may be transferred in each of fiscal years  
21           2019 through 2027 under the authority in subsection (a).

22           (c) **SOURCE OF FUNDS.**—The Secretary of Defense  
23           may transfer funds appropriated to the Department of De-  
24           fense for “Operation and Maintenance, Defense-wide”  
25           under the authority in subsection (a) .

1 (d) ADDITIONAL TRANSFER AUTHORITY.—The  
2 transfer authority provided under subsection (a) is in ad-  
3 dition to any other transfer authority available to the De-  
4 partment of Defense.

5 **SEC. 1062. IMPROVEMENT OF DATABASE ON EMERGENCY**  
6 **RESPONSE CAPABILITIES.**

7 (a) IN GENERAL.—Section 1406 of the John Warner  
8 National Defense Authorization Act for Fiscal Year 2007  
9 (Public Law 109–364; 120 Stat. 2436; 10 U.S.C. 113  
10 note) is amended—

11 (1) by inserting before “The Secretary” the fol-  
12 lowing: “(a) DATABASE REQUIRED.—”;

13 (2) in subsection (a), as designated by para-  
14 graph (1)—

15 (A) in paragraph (1)—

16 (i) by striking “each States’s National  
17 Guard, as reported by the States” and in-  
18 serting “the National Guard of each State  
19 and Territory, as reported by the States  
20 and Territories”; and

21 (ii) by inserting “and Territories”  
22 after “their home States”; and

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

1           “(3) Cyber capabilities of the National Guard  
2 identified by the Department as critical for response  
3 to domestic natural or manmade disasters.

4           “(4) Cyber capabilities of the other reserve  
5 components of the Armed Forces identified by the  
6 Department as critical for response to domestic nat-  
7 ural or manmade disasters.”; and

8           (3) by adding at the end the following new sub-  
9 section:

10       “(b) INFORMATION REQUIRED TO KEEP DATABASE  
11 CURRENT.—In maintaining the database required by sub-  
12 section (a), the Secretary shall identify and revise the in-  
13 formation required to be included in the database at least  
14 once every two years for purposes of keeping the database  
15 current.”.

16       (b) ESTABLISHMENT OF DATABASE.—

17           (1) DEADLINE FOR ESTABLISHMENT.—The  
18 Secretary of Defense shall establish the database re-  
19 quired by section 1406 of the John Warner National  
20 Defense Authorization Act for Fiscal Year 2007, as  
21 amended by subsection (a), by not later than one  
22 year after the date of the enactment of this Act.

23           (2) USE OF EXISTING DATABASE OR SYSTEM  
24 FOR CERTAIN CAPABILITIES.—The Secretary may  
25 meet the requirement with respect to the capabilities

1 described in subsection (a)(1) of section 1406 of the  
2 John Warner National Defense Authorization Act  
3 for Fiscal Year 2007, as so amended, in connection  
4 with the database required by that section through  
5 use or modification of a current database or tracking  
6 system of the Department of Defense if the Sec-  
7 retary determines that such action will—

8 (A) expedite compliance with the require-  
9 ment; and

10 (B) achieve such compliance at a cost not  
11 greater than the cost of establishing anew the  
12 database otherwise covered by the requirement.

13 **SEC. 1063. ACCEPTANCE AND DISTRIBUTION BY DEPART-**  
14 **MENT OF DEFENSE OF ASSISTANCE FROM**  
15 **CERTAIN NONPROFIT ENTITIES IN SUPPORT**  
16 **OF MISSIONS OF DEPLOYED UNITED STATES**  
17 **PERSONNEL AROUND THE WORLD.**

18 (a) FINDING.—The Senate finds that Spirit of Amer-  
19 ica, a privately-funded, nonpartisan, nonprofit organiza-  
20 tion, acting in partnership with the Department of De-  
21 fense, has made an important contribution in supporting  
22 the missions of deployed United States personnel around  
23 the world.

24 (b) SENSE OF SENATE.—It is the sense of the Senate  
25 that United States military commanders should, con-

1 sistent with applicable laws, regulations, and guidance de-  
2 veloped consistent with section 1088 of the National De-  
3 fense Authorization Act for Fiscal Year 2018 (Public Law  
4 115–91), collaborate with and provide transportation and  
5 other logistical support to covered non-Federal entities, in-  
6 cluding Spirit of America, to advance the military missions  
7 of the Armed Forces.

8 (c) DISTRIBUTION OF COVERED NON-FEDERAL EN-  
9 TITY ASSISTANCE ABROAD THROUGH DEPARTMENT OF  
10 DEFENSE.—

11 (1) ACCEPTANCE AND COORDINATION OF AS-  
12 SISTANCE.—The Department of Defense (including  
13 members of the Armed Forces) may, at the discre-  
14 tion of the Secretary of Defense and in accordance  
15 with guidance issued by the Secretary and developed  
16 in coordination with the Secretary of State and the  
17 Administrator of the United States Agency for  
18 International Development—

19 (A) accept from any covered non-Federal  
20 entity humanitarian, economic, and other non-  
21 lethal assistance funded by private funds in the  
22 carrying out of the purposes of such entity; and

23 (B) respond to requests from covered non-  
24 Federal entities for the identification of the  
25 needs of local populations abroad for assistance,

1           and coordinate with such entitites in the provi-  
2           sion and distribution of such assistance, in the  
3           carrying out of such purposes.

4           (2) DISTRIBUTION OF ASSISTANCE TO LOCAL  
5           POPULATIONS.—In accordance with guidance issued  
6           by the Secretary of Defense, and developed in co-  
7           ordination with the Secretary of State and the Ad-  
8           ministrator of the United States Agency for Inter-  
9           national Development, members of the Armed  
10          Forces abroad may provide to local populations  
11          abroad humanitarian, economic, and other nonlethal  
12          assistance provided to the Department by a covered  
13          non-Federal entity pursuant to this subsection.

14          (3) SCOPE OF GUIDANCE.—The guidance issued  
15          pursuant to this subsection shall ensure that any as-  
16          sistance distributed pursuant to this subsection shall  
17          be for purposes of supporting the mission or mis-  
18          sions of the Department and the Armed Forces for  
19          which such assistance is provided by a covered non-  
20          Federal entity.

21          (4) DOD SUPPORT FOR ENTITY ACTIVITIES.—In  
22          accordance with guidance issued by the Secretary of  
23          Defense, the Department, and the Armed Forces  
24          may—



1 (A) provide transportation, lodging, stor-  
2 age, and other logistical support—

3 (i) to personnel of a covered non-Fed-  
4 eral entity (whether in the United States  
5 or abroad) who are carrying out the pur-  
6 poses of such entity; and

7 (ii) in connection with the acceptance  
8 and distribution of assistance provided by  
9 a covered non-Federal entity; and

10 (B) use assets of the Department and the  
11 Armed Forces in the provision of support de-  
12 scribed in subparagraph (A).

13 (d) COVERED NON-FEDERAL ENTITY DEFINED.—In  
14 this section, the term “covered non-Federal entity” means  
15 the following:

16 (1) Spirit of America, a privately-funded, non-  
17 partisan, nonprofit organization described in section  
18 501(c)(3) of the Internal Revenue Code of 1986 that  
19 is exempt from taxation under section 501(a) of  
20 such Code.

21 (2) Any other organization that—

22 (A) is based in the United States;

23 (B) has an independent board of directors  
24 and is subject to independent financial audits;

25 (C) is substantially privately-funded;

1 (D) is described in section 501(c)(3) of the  
2 Internal Revenue Code of 1986 and is exempt  
3 from taxation under section 501(a) of such  
4 Code; and

5 (E) provides international assistance.

6 **SEC. 1064. UNITED STATES POLICY WITH RESPECT TO**  
7 **FREEDOM OF NAVIGATION AND OVERFLIGHT.**

8 (a) DECLARATION OF POLICY.—It is the policy of the  
9 United States to fly, sail, and operate throughout the  
10 oceans, seas, and airspace of the world wherever inter-  
11 national law allows.

12 (b) IMPLEMENTATION OF POLICY.—In furtherance of  
13 the policy set forth in subsection (a), the Secretary of De-  
14 fense should—

15 (1) plan and execute a robust series of routine  
16 and regular air and naval presence missions  
17 throughout the world and throughout the year, in-  
18 cluding for critical transportation corridors and key  
19 routes for global commerce;

20 (2) in addition to the missions executed pursu-  
21 ant to paragraph (1), execute routine and regular  
22 air and maritime freedom of navigation operations  
23 throughout the year, in accordance with inter-  
24 national law, including the use of expanded military

1 options and maneuvers beyond innocent passage;  
2 and

3 (3) to the maximum extent practicable, execute  
4 the missions pursuant to paragraphs (1) and (2)  
5 with regional partner countries and allies of the  
6 United States.

7 **SEC. 1065. PROHIBITION OF FUNDS FOR CHINESE LAN-**  
8 **GUAGE INSTRUCTION PROVIDED BY A CON-**  
9 **FUCIUS INSTITUTE.**

10 (a) PROHIBITION.—None of the funds authorized to  
11 be appropriated by this Act or otherwise made available  
12 for fiscal year 2019 under this Act may be obligated or  
13 expended for Chinese language instruction provided by a  
14 Confucius Institute.

15 (b) LIMITATION.—None of the funds authorized to  
16 be appropriated by this Act or otherwise made available  
17 for fiscal year 2019 under this Act may be obligated or  
18 expended to support a Chinese language program at an  
19 institution of higher education that hosts a Confucius In-  
20 stitute.

21 (c) WAIVER.—The Under Secretary of Defense for  
22 Personnel and Readiness may waive the limitation in sub-  
23 section (b) with respect to a Chinese language program  
24 at a specific institution of higher education if the Under  
25 Secretary of Defense for Personnel and Readiness—

1           (1) certifies to the congressional defense com-  
2       mittees that—

3           (A) Confucius Institute employees and in-  
4       structors will have no affiliation with the pro-  
5       gram;

6           (B) Confucius Institute employees and in-  
7       structors will provide no instruction or support  
8       to the program;

9           (C) Confucius Institute employees and in-  
10      structors will have no authority or influence  
11      with regard to the curriculum and activities of  
12      the program; and

13          (D) the institution has made publicly avail-  
14      able all memoranda of understanding, con-  
15      tracts, and other agreements between the insti-  
16      tution and the Confucius Institute, or between  
17      the institution and any agency of or organiza-  
18      tion affiliated with the government of the Peo-  
19      ple's Republic of China; or

20          (2) certifies to the congressional defense com-  
21      mittees that—

22          (A) the requirements described in subpara-  
23      graphs (A) through (C) of paragraph (1) have  
24      been met; and

1           (B) the waiver of the limitation in sub-  
2           section (b) is necessary for national security,  
3           and there is no reasonable alternative to issuing  
4           the waiver.

5           (d) DEFINITIONS.—

6           (1) CHINESE LANGUAGE PROGRAM.—The term  
7           “Chinese language program” means any Depart-  
8           ment of Defense program designed to provide or  
9           support Chinese language instruction, including the  
10          National Security Education Program, the Lan-  
11          guage Flagship program, Project Global Officer, and  
12          the Language Training Centers program.

13          (2) CONFUCIUS INSTITUTE.—The term “Confu-  
14          cius Institute” means a Confucius Institute that is  
15          operated by the Office of Chinese Languages Council  
16          International, also known as Hanban, which is affili-  
17          ated with the Ministry of Education of the People’s  
18          Republic of China.

19          (3) INSTITUTION OF HIGHER EDUCATION.—The  
20          term “institution of higher education” has the  
21          meaning given the term in section 101 of the Higher  
22          Education Act of 1965 (20 U.S.C. 1001 et seq.).

1 **TITLE XI—CIVILIAN PERSONNEL**  
2 **MATTERS**

3 **Subtitle A—Department of Defense**  
4 **Matters**

5 **SEC. 1101. INAPPLICABILITY OF CERTIFICATION OF EXECU-**  
6 **TIVE QUALIFICATIONS BY QUALIFICATION**  
7 **REVIEW BOARDS OF OFFICE OF PERSONNEL**  
8 **MANAGEMENT FOR INITIAL APPOINTMENTS**  
9 **TO SENIOR EXECUTIVE SERVICE POSITIONS**  
10 **IN DEPARTMENT OF DEFENSE.**

11 (a) **TEMPORARY INAPPLICABILITY.**—Notwith-  
12 standing section 3393(c) of title 5, United States Code,  
13 or any regulations implementing that section, and subject  
14 to the provisions of this section, the Secretary of Defense  
15 may appoint individuals for service in the Senior Executive  
16 Service of the Department of Defense without such indi-  
17 viduals being subject to the certification of executive quali-  
18 fications by a qualification review board of the Office of  
19 Personnel Management in connection with such appoint-  
20 ment otherwise required by that section.

21 (b) **QUALIFICATIONS OF INDIVIDUALS APPOINTED.**—  
22 The Secretary shall ensure that individuals appointed  
23 under this section possess the necessary qualifications and  
24 experience for the position to which appointed.

1 (c) LIMITATION.—The total number of appointments  
2 made under this section in any year may not exceed 50  
3 appointments.

4 (d) REPORTS.—

5 (1) INITIAL REPORT.—Not later than one year  
6 after the date of the enactment of this Act, the Sec-  
7 retary shall submit to the committees of Congress  
8 and official specified in paragraph (3) a report on  
9 the number and type of appointments made under  
10 this section as of the date of the report, including—

11 (A) a description of the qualifications of  
12 the individuals appointed; and

13 (B) data on the time required to appoint  
14 the individuals.

15 (2) FINAL REPORT.—Not later than two years  
16 after the date of the enactment of this Act, the Sec-  
17 retary shall submit to the committees of Congress  
18 and official specified in paragraph (3) a report on  
19 the use of the authority in this section. The report  
20 shall include the following:

21 (A) The number and type of appointments  
22 made under this section during the one-year pe-  
23 riod ending on the date of the report.

24 (B) Data on and an assessment whether  
25 appointments under the authority in this sec-

1           tion reduced the time to hire when compared  
2           with the time to hire under the current review  
3           system of the Office of Personnel Management.

4           (C) An assessment of the utility of the ap-  
5           pointment authority and process under this sec-  
6           tion.

7           (D) An assessment whether the appoint-  
8           ments made under this section resulted in high-  
9           er quality new executives for the Senior Execu-  
10          tive Service of the Department when compared  
11          with the executives produced under the current  
12          review system of the Office of Personnel Man-  
13          agement.

14          (E) Any recommendation for the improve-  
15          ment of the selection and qualification process  
16          for the Senior Executive Service of the Depart-  
17          ment that the Secretary considers necessary in  
18          order to attract and hire highly qualified can-  
19          didates for service in that Senior Executive  
20          Service.

21          (3) COMMITTEES OF CONGRESS AND OFFI-  
22          CIAL.—The committees of Congress and official  
23          specified in this paragraph are—



1 (A) the Committee on Armed Services and  
2 the Committee on Homeland Security and Gov-  
3 ernmental Affairs of the Senate;

4 (B) the Committee on Armed Services and  
5 the Committee on Oversight and Government  
6 Reform of the House of Representatives; and

7 (C) the Director of the Office of Personnel  
8 Management.

9 (e) SUNSET.—Subsection (a) shall cease to be effec-  
10 tive on the date that is two years after the date of the  
11 enactment of this Act.

12 **SEC. 1102. DIRECT HIRE AUTHORITY FOR SCIENCE AND**  
13 **TECHNOLOGY REINVENTION LABORATORIES**  
14 **AND MAJOR RANGE AND TEST FACILITIES**  
15 **BASE FACILITIES FOR RECENT SCIENCE,**  
16 **TECHNOLOGY, ENGINEERING, AND MATHE-**  
17 **MATICS GRADUATES OF MINORITY-SERVING**  
18 **INSTITUTIONS.**

19 (a) AUTHORITY TO MAKE DIRECT APPOINT-  
20 MENTS.—The director of any facility specified in sub-  
21 section (b) may appoint any qualified recent graduate of  
22 a covered educational institution with a degree in science,  
23 technology, engineering, or mathematics to a position at  
24 such facility described in subsection (d) without regard to

1 the provisions of subchapter I of chapter 33 of title 5,  
2 United States Code.

3 (b) FACILITIES.—A facility specified in this sub-  
4 section is any facility as follows:

5 (1) A science and technology reinvention labora-  
6 tory of the Department of Defense, as designated  
7 pursuant to section 1105(a) of the National Defense  
8 Authorization Act for Fiscal Year 2010 (10 U.S.C.  
9 2358 note).

10 (2) A facility of the Major Range and Test Fa-  
11 cilities Base of the Department.

12 (c) RECENT GRADUATES.—For purposes of this sec-  
13 tion, a person is a recent graduate of a covered edu-  
14 cational institution if—

15 (1) the person was awarded a degree by the in-  
16 stitution not more than two years before the date of  
17 the appointment of the person pursuant to this sec-  
18 tion; or

19 (2) in the case of any person who has com-  
20 pleted a period of obligated service in a uniformed  
21 service of more than four years as of the date the  
22 appointment of the person pursuant to this section,  
23 the person was awarded a degree by the institution  
24 not more than four years before such date of ap-  
25 pointment.

1 (d) COVERED POSITIONS.—The positions to which  
2 persons may be appointed pursuant to this section at a  
3 facility specified in subsection (b) are scientific and engi-  
4 neering positions at the facility.

5 (e) DURATION OF APPOINTMENT.—Any appointment  
6 pursuant to this section may be made on a temporary,  
7 term, or permanent basis, at the election of the director  
8 of the facility making such appointment.

9 (f) COVERED EDUCATIONAL INSTITUTION DE-  
10 FINED.—In this section, the term “covered educational in-  
11 stitution” has the meaning given that term in section  
12 2362(e) of title 10, United States Code.

13 (g) SUNSET.—

14 (1) IN GENERAL.—The authority to make ap-  
15 pointments under this section shall expire on the  
16 date that is five years after the date of the enact-  
17 ment of this Act.

18 (2) CONSTRUCTION.—Nothing in paragraph (1)  
19 shall be construed to terminate an appointment  
20 made under this section before the expiration date  
21 provided in that paragraph in accordance with the  
22 terms of such appointment.

1 **SEC. 1103. INCLUSION OF STRATEGIC CAPABILITIES OF-**  
2 **OFFICE AND DEFENSE INNOVATION UNIT EX-**  
3 **PERIMENTAL OF THE DEPARTMENT OF DE-**  
4 **FENSE IN PERSONNEL MANAGEMENT AU-**  
5 **THORITY TO ATTRACT EXPERTS IN SCIENCE**  
6 **AND ENGINEERING.**

7       (a) IN GENERAL.—Subsection (a) of section 1599h  
8 of title 10, United States Code, is amended by adding at  
9 the end the following new paragraphs:

10           “(4) STRATEGIC CAPABILITIES OFFICE.—The  
11 Director of the Strategic Capabilities Office may  
12 carry out a program of personnel management au-  
13 thority provided in subsection (b) in order to facili-  
14 tate recruitment of eminent experts in science or en-  
15 gineering for the Office.

16           “(5) DIUx.—The Director of the Defense Inno-  
17 vation Unit Experimental may carry out a program  
18 of personnel management authority provided in sub-  
19 section (b) in order to facilitate recruitment of emi-  
20 nent experts in science or engineering for the Unit.”.

21       (b) SCOPE OF APPOINTMENT AUTHORITY.—Sub-  
22 section (b)(1) of such section is amended—

23           (1) in subparagraph (B), by striking “and” at  
24 the end; and

25           (2) by adding at the end the following new sub-  
26 paragraphs:

1           “(D) in the case of the Strategic Capabili-  
 2           ties Office, appoint scientists and engineers to  
 3           a total of not more than 5 scientific and engi-  
 4           neering positions in the Office; and

5           “(E) in the case of the Defense Innovation  
 6           Unit Experimental, appoint scientists and engi-  
 7           neers to a total of not more than 5 scientific  
 8           and engineering positions in the Unit;”.

9           (c) EXTENSION OF TERMS OF APPOINTMENT.—Sub-  
 10          section (c)(2) of such section is amended by striking “or  
 11          the Office of Operational Test and Evaluation” and insert-  
 12          ing “the Office of Operational Test and Evaluation, the  
 13          Strategic Capabilities Office, or the Defense Innovation  
 14          Unit Experimental”.

15          **SEC. 1104. ENHANCEMENT OF FLEXIBLE MANAGEMENT AU-**  
 16                                    **THORITIES FOR SCIENCE AND TECHNOLOGY**  
 17                                    **REINVENTION LABORATORIES OF THE DE-**  
 18                                    **PARTMENT OF DEFENSE.**

19          (a) ENHANCEMENT OF NONCOMPETITIVE CONVER-  
 20          SIONS OF APPOINTMENTS OF STUDENTS ENROLLED IN  
 21          SCIENTIFIC AND ENGINEERING PROGRAMS.—Section  
 22          2358a(a)(4) of title 10, United States Code, is amended—

23                   (1) in the paragraph heading, by striking “TO  
 24                   PERMANENT APPOINTMENT” and inserting “OF AP-  
 25                   POINTMENTS”; and

1           (2) by striking “to a permanent appointment”  
2           and inserting “to another temporary appointment or  
3           to a term or permanent appointment”.

4           (b) ENHANCEMENT OF PILOT PROGRAM ON DY-  
5           NAMIC SHAPING OF WORKFORCE TECHNICAL SKILLS AND  
6           EXPERTISE.—Section 1109(b)(1)(A) of the National De-  
7           fense Authorization Act for Fiscal Year 2016 (Public Law  
8           114–92; 129 Stat. 1028; 10 U.S.C. 2358 note) is amended  
9           by striking “to appoint” and all that follows and inserting  
10          “to make appointments as follows:

11                       “(i) Appointment of qualified sci-  
12                       entific and technical personnel who are not  
13                       current Department of Defense civilian  
14                       employees into any scientific or technical  
15                       position in the laboratory for a period of  
16                       more than one year but not more than six  
17                       years.

18                       “(ii) Appointment of qualified sci-  
19                       entific and technical personnel who are De-  
20                       partment civilian employees in term ap-  
21                       pointments into any scientific or technical  
22                       position in the laboratory for a period of  
23                       more than one year but not more than six  
24                       years.”.

1 **SEC. 1105. INCLUSION OF OFFICE OF SECRETARY OF DE-**  
2 **FENSE AMONG COMPONENTS OF THE DE-**  
3 **PARTMENT OF DEFENSE COVERED BY DI-**  
4 **RECT HIRE AUTHORITY FOR FINANCIAL MAN-**  
5 **AGEMENT EXPERTS.**

6 Section 1110(f) of the National Defense Authoriza-  
7 tion Act for Fiscal Year 2017 (10 U.S.C. 1580 note prec.)  
8 is amended—

9 (1) by redesignating paragraphs (1) through  
10 (9) as paragraphs (2) through (10), respectively;  
11 and

12 (2) by inserting before paragraph (2) the fol-  
13 lowing new paragraph (1):

14 “(1) The Office of the Secretary of Defense.”.

15 **SEC. 1106. AUTHORITY TO EMPLOY CIVILIAN FACULTY**  
16 **MEMBERS AT THE JOINT SPECIAL OPER-**  
17 **ATIONS UNIVERSITY.**

18 Section 1595(c) of title 10, United States Code, is  
19 amended by adding at the end the following new para-  
20 graph:

21 “(5) The Joint Special Operations University.”.

1           **Subtitle B—Government-Wide**  
2                           **Matters**

3   **SEC. 1121. ALCOHOL TESTING OF CIVIL SERVICE MARI-**  
4                           **NERS OF THE MILITARY SEALIFT COMMAND**  
5                           **ASSIGNED TO VESSELS.**

6           (a) ALCOHOL TESTING.—Chapter 643 of title 10,  
7 United States Code, is amended by inserting after section  
8 7479 the following new section:

9   **“§ 7479a. Civil service mariners of Military Sealift**  
10                           **Command: alcohol testing**

11           “The Secretary of the Navy may prescribe regula-  
12 tions establishing a program to conduct on-duty reason-  
13 able suspicion alcohol testing and post-accident alcohol  
14 testing of civil service mariners of the Military Sealift  
15 Command who are assigned to vessels.”.

16           (b) RELEASE OF ALCOHOL TEST RESULTS.—

17           (1) IN GENERAL.—Section 7479 of such title is  
18 amended—

19                           (A) in the heading of subsection (a), by in-  
20 serting “OR ALCOHOL” after “DRUG”; and

21                           (B) by inserting “or alcohol” after “drug”  
22 each place it appears.

23           (2) HEADING AMENDMENT.—The heading of  
24 such section is amended to read as follows:



1 **“§ 7479. Civil service mariners of Military Sealift**  
 2 **Command: release of drug and alcohol**  
 3 **test results to Coast Guard”.**

4 (c) TABLE OF SECTIONS AMENDMENT.—The table of  
 5 sections at the beginning of chapter 643 of such title is  
 6 amended by striking the item relating to section 7479 and  
 7 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.”.

8 **SEC. 1122. EXPEDITED HIRING AUTHORITY FOR COLLEGE**  
 9 **GRADUATES AND POST SECONDARY STU-**  
 10 **DENTS.**

11 (a) IN GENERAL.—Subchapter I of chapter 31 of title  
 12 5, United States Code, is amended by adding at the end  
 13 the following:

14 **“§ 3115. Expedited hiring authority for college grad-**  
 15 **uates; competitive service**

16 “(a) DEFINITIONS.—In this section:

17 “(1) DIRECTOR.—The term ‘Director’ means  
 18 the Director of the Office of Personnel Management.

19 “(2) INSTITUTION OF HIGHER EDUCATION.—  
 20 The term ‘institution of higher education’ has the  
 21 meaning given the term in section 101(a) of the  
 22 Higher Education Act of 1965 (20 U.S.C. 1001(a)).

23 “(b) APPOINTMENT.—

1           “(1) IN GENERAL.—The head of an agency may  
2           appoint, without regard to any provision of sections  
3           3309 through 3319 and 3330, a qualified individual  
4           to a position in the competitive service classified in  
5           a professional or administrative occupational cat-  
6           egory at the GS–11 level, or an equivalent level, or  
7           below.

8           “(2) RESTRICTIONS.—An appointment under  
9           paragraph (1) shall be made in accordance with reg-  
10          ulations prescribed by the Director.

11          “(c) QUALIFICATIONS FOR APPOINTMENT.—The  
12          head of an agency may make an appointment under sub-  
13          section (b) only if the individual being appointed—

14               “(1) has received a baccalaureate or graduate  
15               degree from an institution of higher education;

16               “(2) applies for the position—

17                       “(A) not later than 2 years after the date  
18                       on which the individual being appointed re-  
19                       ceived the degree described in paragraph (1); or

20                       “(B) in the case of an individual who has  
21                       completed a period of not less than 4 years of  
22                       obligated service in a uniformed service, not  
23                       later than 2 years after the date of the dis-  
24                       charge or release of the individual from that  
25                       service; and

1           “(3) meets each minimum qualification stand-  
2           ard prescribed by the Director for the position to  
3           which the individual is being appointed.

4           “(d) PUBLIC NOTICE AND ADVERTISING.—

5           “(1) IN GENERAL.—The head of an agency  
6           making an appointment under subsection (b) shall  
7           publicly advertise positions under this section.

8           “(2) REQUIREMENTS.—In carrying out para-  
9           graph (1), the head of an agency shall—

10           “(A) adhere to merit system principles;

11           “(B) advertise positions in a manner that  
12           provides for diverse and qualified applicants;  
13           and

14           “(C) ensure potential applicants have ap-  
15           propriate information relevant to the positions  
16           available.

17           “(e) LIMITATION ON APPOINTMENTS.—

18           “(1) IN GENERAL.—Except as provided in para-  
19           graph (2), the total number of employees that the  
20           head of an agency may appoint under this section  
21           during a fiscal year may not exceed the number  
22           equal to 15 percent of the number of individuals  
23           that the agency head appointed during the previous  
24           fiscal year to a position in the competitive service  
25           classified in a professional or administrative occupa-

1 tional category, at the GS–11 level, or an equivalent  
2 level, or below, under a competitive examining proce-  
3 dure.

4 “(2) EXCEPTIONS.—Under a regulation pre-  
5 scribed under subsection (f), the Director may estab-  
6 lish a lower limit on the number of individuals that  
7 may be appointed under paragraph (1) of this sub-  
8 section during a fiscal year based on any factor the  
9 Director considers appropriate.

10 “(f) REGULATIONS.—Not later than 180 days after  
11 the date of enactment of this section, the Director shall  
12 issue interim regulations, with an opportunity for com-  
13 ment, for the administration of this section.

14 “(g) REPORTING.—

15 “(1) IN GENERAL.—Not later than September  
16 30 of each of the first 3 fiscal years beginning after  
17 the date of enactment of this section, the head of an  
18 agency that makes an appointment under this sec-  
19 tion shall submit a report to—

20 “(A) Congress that assesses the impact of  
21 the use of the authority provided under this  
22 section during the fiscal year in which the re-  
23 port is submitted; and

24 “(B) the Director that contains data that  
25 the Director considers necessary for the Direc-

1           tor to assess the impact and effectiveness of the  
2           authority described in subparagraph (A).

3           “(2) CONTENT.—The head of an agency shall  
4           include in each report under paragraph (1)—

5                   “(A) the total number of individuals ap-  
6                   pointed by the agency under this section, as  
7                   well as the number of such individuals who  
8                   are—

9                           “(i) minorities or members of other  
10                           underrepresented groups; or

11                           “(ii) veterans;

12                   “(B) recruitment sources;

13                   “(C) the total number of individuals ap-  
14                   pointed by the agency during the applicable fis-  
15                   cal year to a position in the competitive service  
16                   classified in a professional or administrative oc-  
17                   cupational category at the GS–11 level, or an  
18                   equivalent level, or below; and

19                   “(D) any additional data specified by the  
20           Director.

21           “(h) SPECIAL PROVISION REGARDING THE DEPART-  
22   MENT OF DEFENSE.—

23                   “(1) AUTHORITY.—Nothing in this section shall  
24           preclude the Secretary of Defense from exercising  
25           any authority to appoint a recent graduate under

1 section 1106 of the National Defense Authorization  
2 Act for Fiscal Year 2017 (10 U.S.C. note prec.  
3 1580), or any applicable successor statute.

4 “(2) REGULATIONS.—Any regulations pre-  
5 scribed by the Director for the administration of this  
6 section shall not apply to the Department of Defense  
7 during the period ending on the date on which the  
8 appointment authority of the Secretary of Defense  
9 under section 1106 of the National Defense Author-  
10 ization Act for Fiscal Year 2017 (10 U.S.C. note  
11 prec. 1580), or any applicable successor statute, ter-  
12 minates.

13 **“§ 3116. Expedited hiring authority for post-sec-**  
14 **ondary students; competitive service**

15 “(a) DEFINITIONS.—In this section:

16 “(1) DIRECTOR.—The term ‘Director’ means  
17 the Director of the Office of Personnel Management.

18 “(2) INSTITUTION OF HIGHER EDUCATION.—  
19 The term ‘institution of higher education’ has the  
20 meaning given the term in section 101(a) of the  
21 Higher Education Act of 1965 (20 U.S.C. 1001(a)).

22 “(3) STUDENT.—The term ‘student’ means an  
23 individual enrolled or accepted for enrollment in an  
24 institution of higher education who is pursuing a  
25 baccalaureate or graduate degree on at least a part-

1 time basis as determined by the institution of higher  
2 education.

3 “(b) APPOINTMENT.—

4 “(1) IN GENERAL.—The head of an agency may  
5 make a time-limited appointment of a student, with-  
6 out regard to any provision of sections 3309 through  
7 3319 and 3330, to a position in the competitive  
8 service at the GS–11 level, or an equivalent level, or  
9 below for which the student is qualified.

10 “(2) RESTRICTIONS.—An appointment under  
11 paragraph (1) shall be made in accordance with reg-  
12 ulations prescribed by the Director.

13 “(c) PUBLIC NOTICE.—

14 “(1) IN GENERAL.—The head of an agency  
15 making an appointment under subsection (b) shall  
16 publicly advertise positions available under this sec-  
17 tion.

18 “(2) REQUIREMENTS.—In carrying out para-  
19 graph (1), the head of an agency shall—

20 “(A) adhere to merit system principles;

21 “(B) advertise positions in a manner that  
22 provides for diverse and qualified applicants;  
23 and

1           “(C) ensure potential applicants have ap-  
2           propriate information relevant to the positions  
3           available.

4           “(d) LIMITATION ON APPOINTMENTS.—

5           “(1) IN GENERAL.—Except as provided in para-  
6           graph (2), the total number of students that the  
7           head of an agency may appoint under this section  
8           during a fiscal year may not exceed the number  
9           equal to 15 percent of the number of students that  
10          the agency head appointed during the previous fiscal  
11          year to a position in the competitive service at the  
12          GS–11 level, or an equivalent level, or below.

13          “(2) EXCEPTIONS.—Under a regulation pre-  
14          scribed under subsection (g), the Director may es-  
15          tablish a lower limit on the number of students that  
16          may be appointed under paragraph (1) of this sub-  
17          section during a fiscal year based on any factor the  
18          Director considers appropriate.

19          “(e) CONVERSION.—The head of an agency may,  
20          without regard to any provision of chapter 33 or any other  
21          provision of law relating to the examination, certification,  
22          and appointment of individuals in the competitive service,  
23          convert a student serving in an appointment under sub-  
24          section (b) to a permanent appointment in the competitive



1 service within the agency without further competition if  
2 the student—

3 “(1) has completed the course of study leading  
4 to the baccalaureate or graduate degree;

5 “(2) has completed not less than 640 hours of  
6 current continuous employment in an appointment  
7 under subsection (b); and

8 “(3) meets the qualification standards for the  
9 position to which the student will be converted.

10 “(f) TERMINATION.—The head of an agency shall,  
11 without regard to any provision of chapter 35 or 75, termi-  
12 nate the appointment of a student appointed under sub-  
13 section (b) upon completion of the designated academic  
14 course of study unless the student is selected for conver-  
15 sion under subsection (e).

16 “(g) REGULATIONS.—Not later than 180 days after  
17 the date of enactment of this section, the Director shall  
18 issue interim regulations, with an opportunity for com-  
19 ment, for the administration of this section.

20 “(h) REPORTING.—

21 “(1) IN GENERAL.—Not later than September  
22 30 of each of the first 3 fiscal years beginning after  
23 the date of enactment of this section, the head of an  
24 agency that makes an appointment under this sec-  
25 tion shall submit a report to—

1           “(A) Congress that assesses the impact of  
2 the use of the authority provided under this  
3 section during the fiscal year in which the re-  
4 port is submitted; and

5           “(B) the Director that contains data that  
6 the Director considers necessary for the Direc-  
7 tor to assess the impact and effectiveness of the  
8 authority described in subparagraph (A).

9           “(2) CONTENT.—The head of an agency shall  
10 include in each report under paragraph (1)—

11           “(A) the total number of individuals ap-  
12 pointed by the agency under this section, as  
13 well as the number of such individuals who  
14 are—

15           “(i) minorities or members of other  
16 underrepresented groups; or

17           “(ii) veterans;

18           “(B) recruitment sources;

19           “(C) the total number of individuals ap-  
20 pointed by the agency during the applicable fis-  
21 cal year to a position in the competitive service  
22 at the GS–11 level, or an equivalent level, or  
23 below; and

24           “(D) any additional data specified by the  
25 Director.

1       “(i) SPECIAL PROVISION REGARDING THE DEPART-  
2   MENT OF DEFENSE.—

3           “(1) AUTHORITY.—Nothing in this section shall  
4   preclude the Secretary of Defense from exercising  
5   any authority to appoint a post-secondary student  
6   under section 1106 of the National Defense Author-  
7   ization Act for Fiscal Year 2017 (10 U.S.C. note  
8   prec. 1580), or any applicable successor statute.

9           “(2) REGULATIONS.—Any regulations pre-  
10   scribed by the Director for the administration of this  
11   section shall not apply to the Department of Defense  
12   during the period ending on the date on which the  
13   appointment authority of the Secretary of Defense  
14   under section 1106 of the National Defense Author-  
15   ization Act for Fiscal Year 2017 (10 U.S.C. note  
16   prec. 1580), or any applicable successor statute, ter-  
17   minates.”.

18       (b) TABLE OF SECTIONS AMENDMENT.—The table of  
19   sections for subchapter I of chapter 31 of title 5, United  
20   States Code, is amended by adding at the end the fol-  
21   lowing:

“3115. Expedited hiring authority for college graduates; competitive service.

“3116. Expedited hiring authority for post-secondary students; competitive serv-  
ice.”.

1 **SEC. 1123. INCREASE IN MAXIMUM AMOUNT OF VOL-**  
2 **UNTARY SEPARATION INCENTIVE PAY AU-**  
3 **THORIZED FOR CIVILIAN EMPLOYEES.**

4 (a) IN GENERAL.—Section 3523 of title 5, United  
5 States Code, is amended—

6 (1) in subsection (b)(3)(B), by striking  
7 “\$25,000” and inserting “\$40,000 (as adjusted in  
8 accordance with subsection (c))”; and

9 (2) by adding at the end the following new sub-  
10 section:

11 “(c)(1) On March 1 each year, the dollar amount  
12 specified in subsection (b)(3)(B) shall be adjusted by the  
13 amount determined by the Secretary of Labor to represent  
14 the percentage increase, if any, between the Consumer  
15 Price Index (all items; United States city average) pub-  
16 lished for December of the preceding year and that price  
17 index published for the December of the year before the  
18 preceding year.

19 “(2) A percentage increase under paragraph (1) shall  
20 be adjusted to the nearest one-tenth of one percent, and  
21 an amount determined under paragraph (1) shall be  
22 rounded to the nearest multiple of \$1,000 (or, if midway  
23 between multiples of \$1,000, to the next higher multiple  
24 of \$1,000).”.

25 (b) DEPARTMENT OF DEFENSE EMPLOYEES.—Sec-  
26 tion 9902(f)(5) of such title is amended—

1           (1) in subparagraph (A)(ii), by striking  
2           “\$25,000” and inserting “an amount determined by  
3           the Secretary, not to exceed \$40,000 (as adjusted  
4           under subparagraph (D))”; and

5           (2) by adding at the end the following:

6           “(D)(i) On March 1 each year, the dollar amount  
7           specified in subparagraph (A)(ii) shall be adjusted by the  
8           amount determined by the Secretary of Labor to represent  
9           the percentage increase, if any, between the Consumer  
10          Price Index (all items; United States city average) pub-  
11          lished for December of the preceding year and that price  
12          index published for the December of the year before the  
13          preceding year.

14          “(ii) A percentage increase under clause (i) shall be  
15          adjusted to the nearest one-tenth of one percent, and an  
16          amount determined under clause (i) shall be rounded to  
17          the nearest multiple of \$1,000 (or, if midway between mul-  
18          tiple of \$1,000, to the next higher multiple of \$1,000).”.

19   **SEC. 1124. ONE-YEAR EXTENSION OF TEMPORARY AUTHOR-**  
20                           **ITY TO GRANT ALLOWANCES, BENEFITS, AND**  
21                           **GRATUITIES TO CIVILIAN PERSONNEL ON OF-**  
22                           **FICIAL DUTY IN A COMBAT ZONE.**

23          Paragraph (2) of section 1603(a) of the Emergency  
24          Supplemental Appropriations Act for Defense, the Global  
25          War on Terror, and Hurricane Recovery, 2006 (Public

1 Law 109–234; 120 Stat. 443), as added by section 1102  
2 of the Duncan Hunter National Defense Authorization  
3 Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat.  
4 4616) and most recently amended by section 1108 of the  
5 National Defense Authorization Act for Fiscal Year 2018  
6 (Public Law 115–91), is further amended by striking  
7 “2019” and inserting “2020”.

8 **SEC. 1125. ONE-YEAR EXTENSION OF AUTHORITY TO WAIVE**  
9 **ANNUAL LIMITATION ON PREMIUM PAY AND**  
10 **AGGREGATE LIMITATION ON PAY FOR FED-**  
11 **ERAL CIVILIAN EMPLOYEES WORKING OVER-**  
12 **SEAS.**

13 Subsection (a) of section 1101 of the Duncan Hunter  
14 National Defense Authorization Act for Fiscal Year 2009  
15 (Public Law 110–417; 122 Stat. 4615), as most recently  
16 amended by section 1105 of the National Defense Author-  
17 ization Act for Fiscal Year 2018 (Public Law 115–91),  
18 is further amended by striking “through 2018” and in-  
19 serting “through 2019”.

1 **TITLE XII—MATTERS RELATING**  
2 **TO FOREIGN NATIONS**  
3 **Subtitle A—Assistance and**  
4 **Training**

5 **SEC. 1201. CLARIFICATION OF AUTHORITY FOR USE OF AD-**  
6 **VISORS AND TRAINERS FOR TRAINING OF**  
7 **PERSONNEL OF FOREIGN MINISTRIES WITH**  
8 **SECURITY MISSIONS UNDER DEFENSE INSTI-**  
9 **TUTION CAPACITY BUILDING AUTHORITIES.**

10 Section 332(b) of title 10, United States Code, is  
11 amended—

12 (1) in paragraph (1), by striking “assign civil-  
13 ian employees of the Department of Defense and  
14 members of the armed forces as advisors and train-  
15 ers” and inserting “provide advisors or trainers”;  
16 and

17 (2) in paragraph (2)(B)—

18 (A) by striking “assigned” each place it  
19 appears (other than the last place) and insert-  
20 ing “provided”;

21 (B) by striking “assigned advisor or train-  
22 er” and inserting “advisor or trainer so pro-  
23 vided”; and

1 (C) by striking “each assignment” and in-  
2 serting “each provision of such an advisor or  
3 trainer”.

4 **SEC. 1202. MODIFICATION TO DEPARTMENT OF DEFENSE**  
5 **STATE PARTNERSHIP PROGRAM.**

6 Section 341(b)(2) of title 10, United States Code, is  
7 amended by inserting “assistance” after “any”.

8 **SEC. 1203. EXPANSION OF REGIONAL DEFENSE COMBATING**  
9 **TERRORISM FELLOWSHIP PROGRAM TO IN-**  
10 **CLUDE IRREGULAR WARFARE.**

11 (a) IN GENERAL.—Section 345 of title 10, United  
12 States Code, is amended—

13 (1) by redesignating subsections (b) and (c) as  
14 subsections (c) and (d), respectively;

15 (2) by striking subsection (a) and inserting the  
16 following new subsections (a) and (b):

17 “(a) PROGRAM AUTHORIZED.—

18 “(1) IN GENERAL.—The Secretary of Defense  
19 may carry out a program under which the Secretary  
20 may pay any costs associated with the education and  
21 training of foreign military officers, ministry of de-  
22 fense officials, or security officials at military or ci-  
23 vilian educational institutions, regional centers, con-  
24 ferences, seminars, or other training programs con-



1 ducted for purposes of regional defense in connection  
2 with either of the following:

3 “(A) Combating terrorism.

4 “(B) Irregular warfare.

5 “(2) COVERED COSTS.—Costs for which pay-  
6 ment may be made under this section include the  
7 costs of transportation and travel and subsistence  
8 costs.

9 “(3) DESIGNATION.—The program authorized  
10 by this section shall be known as the ‘Regional De-  
11 fense Combating Terrorism and Irregular Warfare  
12 Fellowship Program’.

13 “(b) REGULATIONS.—

14 “(1) IN GENERAL.—The program authorized by  
15 subsection (a) shall be carried out under regulations  
16 prescribed by the Secretary of Defense.

17 “(2) ELEMENTS.—The regulations shall ensure  
18 that—

19 “(A) the Secretary of Defense and the Sec-  
20 retary of State—

21 “(i) jointly develop and plan activities  
22 under the program that—

23 “(I) advance United States secu-  
24 rity cooperation objectives; and

1                   “(II) support theater security co-  
2                   operation planning of the combatant  
3                   commands; and

4                   “(ii) coordinate on the implementation  
5                   of activities under the program;

6                   “(B) each of the Secretary of Defense and  
7                   the Secretary of State designates an individual  
8                   at the lowest appropriate level of the Depart-  
9                   ment of Defense or the Department of State, as  
10                  applicable, who shall be responsible for program  
11                  coordination; and

12                  “(C) to the extent practicable, activities  
13                  under the program are appropriately coordi-  
14                  nated with, and do not duplicate or conflict  
15                  with, activities under International Military  
16                  Education and Training (IMET) authorities.

17                  “(3) SUBMITTAL TO CONGRESS.—Upon any up-  
18                  date of the regulations, the Secretary of Defense  
19                  shall submit to the Committees on Armed Services  
20                  of the Senate and the House of Representatives a  
21                  copy of the regulations as so updated, together with  
22                  a description of the update.”; and

23                  (3) in paragraph (3) of subsection (d), as reded-  
24                  ignated by paragraph (1) of this subsection, by  
25                  striking “in the global war on terrorism”.

1 (b) CONFORMING AMENDMENTS.—

2 (1) HEADING AMENDMENT.—The heading of  
3 such section is amended to read as follows:

4 **“§ 345. Regional Defense Combating Terrorism and**  
5 **Irregular Warfare Fellowship Program”.**

6 (2) TABLE OF SECTIONS AMENDMENT.—The  
7 table of sections at the beginning of subchapter V of  
8 chapter 16 of such title is amended by striking the  
9 item relating to section 345 and inserting the fol-  
10 lowing new item:

“345. Regional Defense Combating Terrorism and Irregular Warfare Fellowship  
Program.”.

11 **SEC. 1204. EXTENSION AND MODIFICATION OF AUTHORITY**  
12 **TO SUPPORT BORDER SECURITY OPER-**  
13 **ATIONS OF CERTAIN FOREIGN COUNTRIES.**

14 (a) EXPANSION OF AUTHORITY.—Paragraph (1) of  
15 subsection (a) of section 1226 of the National Defense Au-  
16 thorization Act for Fiscal Year 2016 (22 U.S.C. 2151  
17 note) is amended to read as follows:

18 “(1) IN GENERAL.—The Secretary of Defense,  
19 with the concurrence of the Secretary of State, is  
20 authorized to provide support on a reimbursement  
21 basis as follows:

22 “(A) To the Government of Jordan for  
23 purposes of supporting and enhancing efforts of  
24 the armed forces of Jordan to increase security

1 and sustain increased security along the border  
2 of Jordan with Syria and Iraq.

3 “(B) To the Government of Lebanon for  
4 purposes of supporting and enhancing efforts of  
5 the armed forces of Lebanon to increase secu-  
6 rity and sustain increased security along the  
7 border of Lebanon with Syria.

8 “(C) To the Government of Egypt for pur-  
9 poses of supporting and enhancing efforts of  
10 the armed forces of Egypt to increase security  
11 and sustain increased security along the border  
12 of Egypt with Libya.

13 “(D) To the Government of Tunisia for  
14 purposes of supporting and enhancing efforts of  
15 the armed forces of Tunisia to increase security  
16 and sustain increased security along the border  
17 of Tunisia with Libya.

18 “(E) To the Government of Oman for pur-  
19 poses of supporting and enhancing efforts of  
20 the armed forces of Oman to increase security  
21 and sustain increased security along the border  
22 of Oman with Yemen.

23 “(F) To the Government of Pakistan for  
24 purposes of supporting and enhancing efforts of  
25 the armed forces of Pakistan to increase secu-

1           rity and sustain increased security along the  
2           border of Pakistan with Afghanistan.”.

3           (b) CERTIFICATION.—Subsection (d) of such section  
4 is amended to read as follows:

5           “(d) NOTICE AND CERTIFICATION BEFORE EXER-  
6 CISE.—Not later than 15 days before providing support  
7 under the authority of subsection (a) to a country that  
8 has not previously received such support, the Secretary of  
9 Defense, in consultation with the Secretary of State, shall  
10 submit to the specified congressional committees a report  
11 that—

12                   “(1) sets forth a full description of the support  
13 to be provided, including—

14                           “(A) the purpose of such support;

15                           “(B) the amount of support to be provided;

16                   and

17                           “(C) the anticipated duration of the provi-  
18 sion of such support; and

19                   “(2) includes a certification that—

20                           “(A) the recipient country has taken de-  
21 monstrable steps to increase security along the  
22 border specified for such country in subsection  
23 (a); and

1           “(B) the provision of such support is in  
2           the interest of United States national secu-  
3           rity.”.

4           (c) LIMITATION ON REIMBURSEMENT OF PAKI-  
5 STAN.—Such section is further amended—

6           (1) by redesignating subsections (e) and (f) as  
7           subsection (g) and (h), respectively; and

8           (2) by inserting after subsection (d) the fol-  
9           lowing new subsection (e):

10          “(e) LIMITATION ON REIMBURSEMENT OF PAKISTAN  
11 PENDING CERTIFICATION.—No amount of reimbursement  
12 support under subsection (a)(1)(F) is authorized to be dis-  
13 bursed to the Government of Pakistan unless the Sec-  
14 retary of Defense certifies to the congressional defense  
15 committees that the following conditions are met:

16           “(1) The military and security operations of  
17           Pakistan pertaining to border security and ancillary  
18           activities for which reimbursement is sought have  
19           been coordinated with United States military rep-  
20           resentatives in advance of the execution of such op-  
21           erations and activities.

22           “(2) The goals and desired outcomes of each  
23           such operation or activity have been established and  
24           agreed upon in advance by the United States and  
25           Pakistan.

1           “(3) A process exists to verify the achievement  
2 of the goals and desired outcomes established in ac-  
3 cordance with paragraph (2).

4           “(4) The Government of Pakistan is making an  
5 effort to actively coordinate with the Government of  
6 Afghanistan on issues relating to border security on  
7 the Afghanistan-Pakistan border.”.

8           (d) QUARTERLY REPORTS.—Such section is further  
9 amended by inserting after subsection (e), as so des-  
10 ignated by subsection (c) of this section, the following new  
11 subsection (f):

12           “(f) QUARTERLY REPORTS.—Not later than 30 days  
13 after the end of each fiscal quarter, the Secretary of De-  
14 fense shall submit to the specified congressional commit-  
15 tees a report on reimbursements pursuant to subsection  
16 (a) during the preceding fiscal quarter that includes—

17           “(1) an identification of each country reim-  
18 bursed;

19           “(2) the date of each reimbursement;

20           “(3) a description of any partner nation border  
21 security efforts for which reimbursement was pro-  
22 vided;

23           “(4) an assessment of the value of partner na-  
24 tion border security efforts for which reimbursement  
25 was provided;

1 “(5) the total amounts of reimbursement pro-  
2 vided to each partner nation in the preceding four  
3 fiscal quarters; and

4 “(6) such other matters as the Secretary con-  
5 siders appropriate.”.

6 (e) EXTENSION.—Subsection (h) of such section, as  
7 so redesignated, is amended by striking “December 31,  
8 2019” and inserting “December 31, 2021”.

9 **SEC. 1205. LEGAL AND POLICY REVIEW OF ADVISE, ASSIST,**  
10 **AND ACCOMPANY MISSIONS.**

11 (a) IN GENERAL.—Not later than 120 days after the  
12 date of the enactment of this Act, the Under Secretary  
13 of Defense for Policy shall, in coordination with the Gen-  
14 eral Counsel of the Department of Defense and the com-  
15 manders of appropriate combatant commands, submit to  
16 the congressional defense committees a report on a review,  
17 conducted for purposes of the report, of the legal and pol-  
18 icy frameworks associated with advise, assist, and accom-  
19 pany missions by United States military personnel.

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

22 (1) An analysis of the risks and benefits of  
23 United States military personnel conducting advise,  
24 assist, and accompany missions with foreign partner  
25 forces, and an assessment of the relation of such



1 risks and benefits to United States security objec-  
2 tives.

3 (2) A review of execute orders in order to en-  
4 sure that such orders comply with United States law  
5 for the employment of United States military per-  
6 sonnel and capabilities to advise, assist, and accom-  
7 pany foreign partner forces.

8 (3) An assessment whether the legal and policy  
9 frameworks applicable to advise, assist, and accom-  
10 pany missions by United States military personnel  
11 are adequately communicated to and understood at  
12 all levels of operational command.

13 (4) An assessment whether approvals related to  
14 advise, assist, and accompany missions are taken at  
15 the appropriate level of command.

16 (5) A definition, and policy guidance, for the  
17 appropriate use in execute orders of each of the fol-  
18 lowing:

19 (A) Advise

20 (B) Assist.

21 (C) Accompany.

22 (D) Collective self defense.

23 (E) Last point of cover and conceal.

24 (6) Any other matters the Under Secretary con-  
25 siders appropriate.

1 (c) FORM.—The report required by subsection (a)  
2 shall be submitted in unclassified form, but may include  
3 a classified annex.

4 **SEC. 1206. TECHNICAL CORRECTIONS RELATING TO DE-**  
5 **FENSE SECURITY COOPERATION STATUTORY**  
6 **REORGANIZATION.**

7 (a) CHAPTER REFERENCES.—The following provi-  
8 sions of law are amended by striking “chapter 15” and  
9 inserting “chapter 13”:

10 (1) Section 886(a)(5) of the Homeland Security  
11 Act of 2002 (6 U.S.C. 466(a)(5)).

12 (2) Section 332(a)(1) of the Consolidated Farm  
13 and Rural Development Act (7 U.S.C. 1982(a)(1)).

14 (3) Section 101(a)(13)(B) of title 10, United  
15 States Code.

16 (4) Section 115(i)(6) of title 10, United States  
17 Code.

18 (5) Section 12304(e)(1) of title 10, United  
19 States Code.

20 (6) Section 484C(e)(3)(C)(v) of the Higher  
21 Education Act of 1965 (20 U.S.C.  
22 1091c(e)(3)(C)(v)).

23 (b) SECTION REFERENCES.—

24 (1) Title 10, United States Code, is amended—

1 (A) in section 386(c)(1), by striking “Sec-  
 2 tions 311, 321, 331, 332, 333,” and inserting  
 3 “Sections 246, 251, 252, 253, 321,”; and

4 (B) in section 10541(b)(9), in the matter  
 5 preceding subparagraph (A), by striking “sec-  
 6 tions 331, 332, 333,” and inserting “sections  
 7 251, 252, 253.”.

8 (2) Section 484C(c)(3)(C)(i) of the Higher  
 9 Education Act of 1965 (20 U.S.C.  
 10 1091c(c)(3)(C)(i)) is amended by striking “section  
 11 331, 332,” and inserting “section 251, 252.”.

12 **SEC. 1207. NAVAL SMALL CRAFT INSTRUCTION AND TECH-**  
 13 **NICAL TRAINING SCHOOL.**

14 (a) SCHOOL AUTHORIZED.—

15 (1) IN GENERAL.—Subchapter V of chapter 16  
 16 of title 10, United States Code, is amended by add-  
 17 ing at the end the following new section:

18 **“§ 351. Naval Small Craft Instruction and Technical**  
 19 **Training School**

20 “(a) IN GENERAL.—The Secretary of Defense may  
 21 operate an education and training facility known as the  
 22 ‘Naval Small Craft Instruction and Technical Training  
 23 School’ (in this section referred to as the ‘School’).

24 “(b) DESIGNATION OF EXECUTIVE AGENT.—The  
 25 Secretary of Defense shall designate the Secretary of a

1 military department as the Department of Defense execu-  
2 tive agent for carrying out the responsibilities of the Sec-  
3 retary of Defense under this section.

4 “(c) PURPOSE.—The purpose of the School shall be  
5 to provide to the military and other security forces of one  
6 or more friendly foreign countries education and training  
7 to increase professionalism, readiness, and respect for  
8 human rights through—

9 “(1) formal courses of instruction; and

10 “(2) mobile training teams for—

11 “(A) the operation, employment, mainte-  
12 nance, and logistics of specialized equipment;

13 “(B) participation in—

14 “(i) joint exercises; or

15 “(ii) coalition or international military  
16 operations; and

17 “(C) improved interoperability between—

18 “(i) the armed forces; and

19 “(ii) the military and other security  
20 forces of the one or more friendly foreign  
21 countries.

22 “(d) PERSONNEL ELIGIBLE TO RECEIVE EDUCATION  
23 AND TRAINING.—

24 “(1) LIMITATION.—The Secretary of Defense  
25 may not provide education or training at the School

1 to any personnel of a country that is prohibited from  
2 receiving such education or training under any other  
3 provision of law.

4 “(2) CONSULTATION IN SELECTION.—The Sec-  
5 retary of Defense shall consult with the Secretary of  
6 State in the selection of foreign personnel to be pro-  
7 vided education and training at the School.

8 “(e) FIXED COSTS.—The fixed costs of operation and  
9 maintenance of the School in a fiscal year may be paid  
10 from amounts made available for such fiscal year for oper-  
11 ation and maintenance of the Department of Defense.

12 “(f) ANNUAL REPORT.—Not later than March 15  
13 each year, the Secretary of Defense, in consultation with  
14 the Secretary of State, shall submit to the appropriate  
15 congressional committees a detailed report on the activi-  
16 ties and operating costs of the School during the preceding  
17 fiscal year.”.

18 (2) CLERICAL AMENDMENT.—The table of sec-  
19 tions at the beginning of subchapter V of chapter 16  
20 of such title is amended by adding at the end the  
21 following new item:

“351. Naval Small Craft Instruction and Technical Training School.”.

22 (b) REPORT REQUIRED.—Not later than 60 days  
23 after the date of the enactment of this Act, the Secretary  
24 of Defense shall submit to the congressional defense com-  
25 mittees a report that sets forth the following:

1           (1) The budget requirements for the operation  
2           and sustainment of the Naval Small Craft Instruc-  
3           tion and Technical Training School authorized by  
4           section 351 of title 10, United States Code (as  
5           added by subsection (a)), during the period of the  
6           future-years defense program submitted to Congress  
7           in fiscal year 2019, including—

8                   (A) a description of the budget require-  
9                   ments relating to the School for—

10                           (i) Major Force Program–2; and

11                           (ii) Major Force Program–11; and

12                   (B) an identification of any other source of  
13                   funding for the School.

14           (2) The anticipated requirements for facilities  
15           for the School.

16           (3) An identification of the Secretary of a mili-  
17           tary department designated by the Secretary of De-  
18           fense as executive agent for the School under sub-  
19           section (b) of such section.

20           (4) The anticipated military construction and  
21           facilities renovation requirements for the School dur-  
22           ing such period.

23           (5) Any other matter relating to the School that  
24           the Secretary of Defense considers appropriate.

25           (c) LIMITATION ON USE OF FUNDS.—

1           (1) IN GENERAL.—Nothing in section 351 of  
2 title 10, United States Code (as so added), may be  
3 construed as authorizing the use of funds appro-  
4 priated for the Department of Defense for any pur-  
5 pose described in paragraph (2) unless specifically  
6 authorized by an Act of Congress other than that  
7 section or this Act.

8           (2) PURPOSES.—The purposes described in this  
9 paragraph are the following:

10           (A) The operation of a facility other than  
11 the Naval Small Craft Instruction and Tech-  
12 nical Training School that is in operation as of  
13 the date of the enactment of this Act for the  
14 provision of education and training authorized  
15 to be provided by the School.

16           (B) The construction or expansion of any  
17 facility of the School.

## 18           **Subtitle B—Matters Relating to** 19           **Afghanistan and Pakistan**

### 20           **SEC. 1211. AFGHANISTAN SECURITY FORCES FUND.**

21           (a) CONTINUATION OF PRIOR AUTHORITIES AND NO-  
22 TICE AND REPORTING REQUIREMENTS.—Funds available  
23 to the Department of Defense for the Afghanistan Secu-  
24 rity Forces Fund for fiscal year 2019 shall be subject to  
25 the conditions contained in—

1           (1) subsections (b) through (f) of section 1513  
2 of the National Defense Authorization Act for Fiscal  
3 Year 2008 (Public Law 110–181; 122 Stat. 428), as  
4 most recently amended by section 1521(d)(2)(A) of  
5 the National Defense Authorization Act for Fiscal  
6 Year 2017 (Public Law 114–328; 130 Stat. 2577);  
7 and

8           (2) section 1521(d)(1) of the National Defense  
9 Authorization Act for Fiscal Year 2017.

10       (b) USE OF FUNDS.—Section 1513(b)(1) of the Na-  
11 tional Defense Authorization Act for Fiscal Year 2008 is  
12 amended by striking “security forces of Afghanistan” and  
13 inserting “security forces of the Ministry of Defense and  
14 the Ministry of the Interior of the Government of the Is-  
15 lamic Republic of Afghanistan”.

16       (c) EQUIPMENT DISPOSITION.—

17           (1) ACCEPTANCE OF CERTAIN EQUIPMENT.—  
18 Subject to paragraph (2), the Secretary of Defense  
19 may accept equipment that is procured using  
20 amounts authorized to be appropriated for the Af-  
21 ghanistan Security Forces Fund by this Act and is  
22 intended for transfer to the security forces of Af-  
23 ghanistan, but is not accepted by such security  
24 forces.



1           (2) CONDITIONS ON ACCEPTANCE OF EQUIP-  
2           MENT.—Before accepting any equipment under the  
3           authority provided by paragraph (1), the Com-  
4           mander of United States forces in Afghanistan shall  
5           make a determination that such equipment was pro-  
6           cured for the purpose of meeting requirements of the  
7           security forces of Afghanistan, as agreed to by both  
8           the Government of Afghanistan and the Government  
9           of the United States, but is no longer required by  
10          such security forces or was damaged before transfer  
11          to such security forces.

12          (3) ELEMENTS OF DETERMINATION.—In mak-  
13          ing a determination under paragraph (2) regarding  
14          equipment, the Commander of United States forces  
15          in Afghanistan shall consider alternatives to the ac-  
16          ceptance of such equipment by the Secretary. An ex-  
17          planation of each determination, including the basis  
18          for the determination and the alternatives consid-  
19          ered, shall be included in the relevant quarterly re-  
20          port required under paragraph (5).

21          (4) TREATMENT AS DEPARTMENT OF DEFENSE  
22          STOCKS.—Equipment accepted under the authority  
23          provided by paragraph (1) may be treated as stocks  
24          of the Department of Defense upon notification to

1 the congressional defense committees of such treat-  
2 ment.

3 (5) QUARTERLY REPORTS ON EQUIPMENT DIS-  
4 POSITION.—

5 (A) IN GENERAL.—Not later than 90 days  
6 after the date of the enactment of this Act and  
7 every 90-day period thereafter during which the  
8 authority provided by paragraph (1) is exer-  
9 cised, the Secretary shall submit to the congress-  
10 sional defense committees a report describing  
11 the equipment accepted during the period cov-  
12 ered by such report under the following:

13 (i) This subsection.

14 (ii) Section 1521(b) of the National  
15 Defense Authorization Act for Fiscal Year  
16 2017 (Public Law 114–328; 130 Stat.  
17 2575).

18 (iii) Section 1531(b) of the National  
19 Defense Authorization Act for Fiscal Year  
20 2016 (Public Law 114–92; 129 Stat.  
21 1088).

22 (iv) Section 1532(b) of the Carl Levin  
23 and Howard P. “Buck” McKeon National  
24 Defense Authorization Act for Fiscal Year

1                   2015 (Public Law 113–291; 128 Stat.  
2                   3613).

3                   (v) Section 1531(d) of the National  
4                   Defense Authorization Act for Fiscal Year  
5                   2014 (Public Law 113–66; 127 Stat. 938;  
6                   10 U.S.C. 2302 note).

7                   (B) ELEMENTS.—Each report under sub-  
8                   paragraph (A) shall include a list of all equip-  
9                   ment that was accepted during the period cov-  
10                  ered by such report and treated as stocks of the  
11                  Department of Defense and copies of the deter-  
12                  minations made under paragraph (2), as re-  
13                  quired by paragraph (3).

14                  (d) SECURITY OF AFGHAN WOMEN.—

15                  (1) IN GENERAL.—Of the funds available to the  
16                  Department of Defense for the Afghan Security  
17                  Forces Fund for fiscal year 2019, it is the goal that  
18                  \$25,000,000, but in no event less than \$10,000,000,  
19                  shall be used for—

20                  (A) the recruitment, integration, retention,  
21                  training, and treatment of women in the Af-  
22                  ghan National Defense and Security Forces;  
23                  and

1           (B) the recruitment, training, and con-  
2           tracting of female security personnel for future  
3           elections.

4           (2) TYPES OF PROGRAMS AND ACTIVITIES.—

5           Such programs and activities may include—

6           (A) efforts to recruit women into the Af-  
7           ghan National Defense and Security Forces, in-  
8           cluding the special operations forces;

9           (B) programs and activities of the Afghan  
10          Ministry of Defense Directorate of Human  
11          Rights and Gender Integration and the Afghan  
12          Ministry of Interior Office of Human Rights,  
13          Gender and Child Rights;

14          (C) development and dissemination of gen-  
15          der and human rights educational and training  
16          materials and programs within the Afghan Min-  
17          istry of Defense and the Afghan Ministry of In-  
18          terior;

19          (D) efforts to address harassment and vio-  
20          lence against women within the Afghan Na-  
21          tional Defense and Security Forces;

22          (E) improvements to infrastructure that  
23          address the requirements of women serving in  
24          the Afghan National Defense and Security  
25          Forces, including appropriate equipment for fe-

1 male security and police forces, and transpor-  
2 tation for policewomen to their station;

3 (F) support for Afghanistan National Po-  
4 lice Family Response Units; and

5 (G) security provisions for high-profile fe-  
6 male police and military officers.

7 (e) ASSESSMENT OF AFGHANISTAN PROGRESS ON  
8 SECURITY OBJECTIVES.—

9 (1) ASSESSMENT REQUIRED.—Not later than  
10 May 1, 2019, the Secretary of Defense shall, in con-  
11 sultation with the Secretary of State, submit to the  
12 Committee on Armed Services and the Committee on  
13 Foreign Affairs of the House of Representatives and  
14 the Committee on Armed Services and the Com-  
15 mittee on Foreign Relations of the Senate an assess-  
16 ment describing the progress of the Government of  
17 the Islamic Republic of Afghanistan toward meeting  
18 shared security objectives. In conducting such as-  
19 sessment, the Secretary of Defense shall consider  
20 each of the following:

21 (A) The extent to which the Government of  
22 Afghanistan has taken steps toward increased  
23 accountability and reducing corruption within  
24 the Ministries of Defense and Interior.

1           (B) The extent to which the capability and  
2           capacity of the Afghan National Defense and  
3           Security Forces have improved as a result of  
4           Afghanistan Security Forces Fund investment,  
5           including through training.

6           (C) The extent to which the Afghan Na-  
7           tional Defense and Security Forces have been  
8           able to increase pressure on the Taliban, al-  
9           Qaeda, the Haqqani network, and other ter-  
10          rorist organizations, including by re-taking ter-  
11          ritory, defending territory, and disrupting at-  
12          tacks.

13          (D) Whether or not the Government of Af-  
14          ghanistan is ensuring that supplies, equipment,  
15          and weaponry supplied by the United States are  
16          appropriately distributed to security forces  
17          charged with fighting the Taliban and other  
18          terrorist organizations.

19          (E) The extent to which the Government  
20          of Afghanistan has designated the appropriate  
21          staff, prioritized the development of relevant  
22          processes, and provided or requested the alloca-  
23          tion of resources necessary to support a peace  
24          and reconciliation process in Afghanistan.

1 (F) Such other factors as the Secretaries  
2 consider appropriate.

3 (2) WITHHOLDING OF ASSISTANCE FOR INSUF-  
4 FICIENT PROGRESS.—

5 (A) IN GENERAL.—If the Secretary of De-  
6 fense determines, in coordination with the Sec-  
7 retary of State, pursuant to the assessment  
8 under paragraph (1) that the Government of  
9 Afghanistan has made insufficient progress, the  
10 Secretary of Defense may withhold assistance  
11 for the Afghan National Defense and Security  
12 Forces until such time as the Secretary deter-  
13 mines sufficient progress has been made.

14 (B) NOTICE TO CONGRESS.—If the Sec-  
15 retary of Defense withholds assistance under  
16 subparagraph (A), the Secretary shall, in co-  
17 ordination with the Secretary of State, provide  
18 notice to Congress not later than 30 days after  
19 making the decision to withhold such assist-  
20 ance.

1 **SEC. 1212. EXTENSION AND MODIFICATION OF AUTHORITY**  
2 **FOR REIMBURSEMENT OF CERTAIN COALI-**  
3 **TION NATIONS FOR SUPPORT PROVIDED TO**  
4 **UNITED STATES MILITARY OPERATIONS.**

5 (a) **EXTENSION.**—Subsection (a) of section 1233 of  
6 the National Defense Authorization Act for Fiscal Year  
7 2008 (Public Law 110–181; 122 Stat. 393), as most re-  
8 cently amended by section 1212 of the National Defense  
9 Authorization Act for Fiscal Year 2018 (Public Law 115–  
10 91), is further amended—

11 (1) in the matter preceding paragraph (1), by  
12 striking “October 1, 2017, and ending on December  
13 31, 2018” and inserting “October 1, 2018, and end-  
14 ing on December 31, 2019”; and

15 (2) by amending paragraph (2) to read as fol-  
16 lows:

17 “(2) Pakistan for certain activities meant to en-  
18 hance the security situation in the Afghanistan-Paki-  
19 stan border region pursuant to section 1226 of the  
20 National Defense Authorization Act for Fiscal Year  
21 2016 (22 U.S.C. 2151 note), as amended by the  
22 John S. McCain National Defense Authorization Act  
23 for Fiscal Year 2019.”.

24 (b) **MODIFICATION TO LIMITATIONS.**—Subsection (d)  
25 of such section is amended—

26 (1) in paragraph (1)—



1 (A) in the first sentence—

2 (i) by striking “October 1, 2017, and  
3 ending on December 31, 2018” and insert-  
4 ing “October 1, 2018, and ending on De-  
5 cember 31, 2019”; and

6 (ii) by striking “\$900,000,000” and  
7 inserting “\$350,000,000”; and

8 (B) by striking the second sentence; and

9 (2) by striking paragraph (3).

10 (c) REPEAL OF PROVISION RELATING TO REIM-  
11 BURSEMENT TO PAKISTAN FOR SECURITY ENHANCEMENT  
12 ACTIVITIES.—Such section is further amended—

13 (1) by striking subsection (e); and

14 (2) by redesignating subsections (f) through (h)  
15 as subsections (e) through (g), respectively.

16 (d) NOTICE TO CONGRESS.—Paragraph (1) of sub-  
17 section (e) of such section, as redesignated by subsection  
18 (c) of this section, is amended by striking the second sen-  
19 tence.

20 **SEC. 1213. EXTENSION OF AUTHORITY TO TRANSFER DE-**  
21 **FENSE ARTICLES AND PROVIDE DEFENSE**  
22 **SERVICES TO THE MILITARY AND SECURITY**  
23 **FORCES OF AFGHANISTAN.**

24 (a) EXTENSION.—Subsection (h) of section 1222 of  
25 the National Defense Authorization Act for Fiscal Year

1 2013 (Public Law 112–239; 126 Stat. 1992), as most re-  
2 cently amended by section 1211 of the National Defense  
3 Authorization Act for Fiscal Year 2017 (Public Law 115–  
4 91), is further amended by striking “December 31, 2018”  
5 and inserting “December 31, 2019”.

6 (b) EXCESS DEFENSE ARTICLES.—Subsection (i)(2)  
7 of such section, as so amended, is further amended by  
8 striking “December 31, 2018” each place it appears and  
9 inserting “December 31, 2019”.

10 **SEC. 1214. MODIFICATION OF REPORTING REQUIREMENTS**

11 **FOR SPECIAL IMMIGRANT VISAS FOR AF-**

12 **GHAN ALLIES PROGRAM.**

13 Section 602 of the Afghan Allies Protection Act of  
14 2009 (8 U.S.C. 1101 note) is amended—

15 (1) in subsection (b)—

16 (A) by striking paragraph (10);

17 (B) by redesignating paragraphs (11)  
18 through (16) as paragraphs (10) through (15),  
19 respectively;

20 (C) in paragraph (11)(A), as so redesign-  
21 ated, by striking “the National Defense Au-  
22 thorization Act for Fiscal Year 2014” and in-  
23 serting “the John S. McCain National Defense  
24 Authorization Act for Fiscal Year 2019”;

1 (D) in paragraph (12), as so redesignated,  
2 by striking “paragraph (12)(B)” and inserting  
3 “paragraph (11)(B)”; and

4 (E) in paragraph (13), as so redesignated,  
5 in the matter preceding subparagraph (A), by  
6 striking “a report to the” and all that follows  
7 through “House of Representatives” and insert-  
8 ing “a report to the appropriate committees of  
9 Congress”;

10 (2) by striking subsection (c); and

11 (3) by redesignating subsection (d) as sub-  
12 section (c).

## 13 **Subtitle C—Matters Relating to** 14 **Syria, Iraq, and Iran**

### 15 **SEC. 1221. EXTENSION OF AUTHORITY TO PROVIDE ASSIST-** 16 **ANCE TO COUNTER THE ISLAMIC STATE OF** 17 **IRAQ AND SYRIA.**

18 (a) EXTENSION.—Subsection (a) of section 1236 of  
19 the Carl Levin and Howard P. “Buck” McKeon National  
20 Defense Authorization Act for Fiscal Year 2015 (Public  
21 Law 113–291; 128 Stat. 3558), as most recently amended  
22 by section 1222 of the National Defense Authorization Act  
23 for Fiscal Year 2018 (Public Law 115–91), is further  
24 amended by striking “December 31, 2019” and inserting  
25 “December 31, 2020”.

1 (b) FUNDING.—Subsection (g) of such section 1236,  
2 as most recently so amended, is further amended—

3 (1) by striking “for the Department of Defense  
4 for Overseas Contingency Operations for fiscal year  
5 2018” and inserting “for the Department of Defense  
6 for Overseas Contingency Operations for fiscal year  
7 2019”; and

8 (2) by striking “\$1,269,000,000” and inserting  
9 “\$850,000,000”.

10 (c) LIMITATION OF USE OF FISCAL YEAR 2019

11 FUNDS.—Of the amounts authorized to be appropriated  
12 for fiscal year 2019 by this Act for activities under the  
13 authority in section 1236 of the Carl Levin and Howard  
14 P. “Buck” McKeon National Defense Authorization Act  
15 for Fiscal Year 2015, as amended by this section, not  
16 more than \$450,000,000 may be obligated or expended for  
17 such activities until the date on which the Secretary of  
18 Defense has submitted to the congressional defense com-  
19 mittees each of the following:

20 (1) The report on the United States strategy in  
21 Iraq required by the joint explanatory statement of  
22 the committee of the conference accompanying Con-  
23 ference Report 115–404.

24 (2) A report setting forth the following:

1 (A) An explanation of the purpose of a  
2 continuing United States military presence in  
3 Iraq, including—

4 (i) an explanation of the national se-  
5 curity objectives of the United States with  
6 respect to Iraq;

7 (ii) a detailed description of—

8 (I) the size of a continuing  
9 United States military presence in  
10 Iraq; and

11 (II) the roles and missions asso-  
12 ciated with a continuing United  
13 States military presence in Iraq; and

14 (iii) a delineation of the responsibil-  
15 ities in connection with a continuing  
16 United States military presence in Iraq  
17 of—

18 (I) the Combined Joint Task  
19 Force Operation Inherent Resolve (or  
20 a successor task force);

21 (II) the Office of Security Co-  
22 operation in Iraq; and

23 (III) other United States em-  
24 bassy-based military personnel.

1 (B) An identification of the specific units  
2 of the Iraqi Security Forces to receive training  
3 and equipment or other support in fiscal year  
4 2019.

5 (C) A plan for ensuring that any vehicles  
6 and equipment provided to the Iraqi Security  
7 Forces pursuant to that authority are main-  
8 tained in subsequent fiscal years using funds of  
9 Iraq.

10 (D) An estimate, by fiscal year, of the  
11 funding anticipated to be required for support  
12 of the Iraqi Security Forces pursuant to that  
13 authority during the five fiscal years beginning  
14 with fiscal year 2020.

15 (E) A detailed plan for the obligation and  
16 expenditure of the funds requested for fiscal  
17 year 2019 for the Department of Defense for  
18 Operational Sustainment of the Iraqi Security  
19 Forces.

20 (F) A plan for the transition to the Gov-  
21 ernment of Iraq of responsibility for funding for  
22 Operational Sustainment of the Iraqi Security  
23 Forces for fiscal years after fiscal year 2019.

24 (G) A description of any actions carried  
25 out under this paragraph.

1 **SEC. 1222. EXTENSION AND MODIFICATION OF AUTHORITY**  
2 **TO PROVIDE ASSISTANCE TO THE VETTED**  
3 **SYRIAN OPPOSITION.**

4 (a) **EXTENSION.**—Section 1209(a) of the Carl Levin  
5 and Howard P. “Buck” McKeon National Defense Au-  
6 thorization Act for Fiscal Year 2015 (Public Law 113–  
7 291; 128 Stat. 3559), as most recently amended by sec-  
8 tion 1221(a) of the National Defense Authorization Act  
9 for Fiscal Year 2017 (Public Law 114–328; 130 Stat.  
10 2485), is further amended by striking “December 31,  
11 2018” and inserting “December 31, 2019”.

12 (b) **LIMITATION ON USE OF FUNDS IN GENERAL.**—

13 (1) **LIMITATION.**—None of the funds authorized  
14 to be appropriated for fiscal year 2019 for the De-  
15 partment of Defense may be obligated or expended  
16 for activities under the authority in section 1209 of  
17 the Carl Levin and Howard P. “Buck” McKeon Na-  
18 tional Defense Authorization Act for Fiscal Year  
19 2015, as amended by subsection (a), until the later  
20 of the following:

21 (A) The date on which the President sub-  
22 mits the report on United States strategy in  
23 Syria required by section 1221 of the National  
24 Defense Authorization Act for Fiscal Year 2018  
25 (Public Law 115–91).

1           (B) The date that is 30 days after the date  
2           on which the Secretary of Defense submits the  
3           report described in paragraph (2).

4           (2) REPORT.—Not later than 90 days after the  
5           date of the enactment of this Act, the Secretary  
6           shall submit to the congressional defense committees  
7           a report setting forth the following:

8                   (A) A detailed description of the internal  
9                   security forces of the vetted Syrian opposition  
10                  to be trained and equipped under such author-  
11                  ity, including a description of their geographic  
12                  locations, demographic profiles, political affili-  
13                  ations, current capabilities, and relation to the  
14                  objectives under the authority in section 1209  
15                  of the Carl Levin and Howard P. “Buck”  
16                  McKeon National Defense Authorization Act  
17                  for Fiscal Year 2015, as amended by subsection  
18                  (a).

19                   (B) A detailed description of planned capa-  
20                  bilities, including categories of equipment, in-  
21                  tended to be provided to the elements of the  
22                  vetted Syrian opposition under such authority.

23                   (C) A description of the planned level of  
24                  engagement by United States forces with the  
25                  elements of the vetted Syrian opposition after



1 such elements of the vetted Syrian opposition  
2 have been trained and equipped under such au-  
3 thority, including the oversight of equipment  
4 provided under such authority and the activities  
5 conducted by such vetted Syrian opposition  
6 forces.

7 (D) An explanation of the processes and  
8 mechanisms for local commanders of the vetted  
9 Syrian opposition to exercise command and con-  
10 trol of the elements of the vetted Syrian opposi-  
11 tion after such elements of the vetted Syrian  
12 opposition have been trained and equipped  
13 under such authority.

14 (E) An explanation of complementary local  
15 governance and other stabilization activities in  
16 areas in which elements of the local internal se-  
17 curity forces trained and equipped under such  
18 authority will be operating and the relation of  
19 such local governance and other stabilization  
20 activities to the oversight of such security  
21 forces.

22 (c) ADDITIONAL LIMITATIONS ON USE OF FUNDS  
23 DURING FISCAL YEAR 2019.—

24 (1) CERTIFICATIONS IN CONNECTION WITH USE  
25 OF FUNDS.—Not later than 120 days after the date

1 of the enactment of this Act, and every 120 days  
2 thereafter, the Secretary shall submit to the congress-  
3 sional defense committees a written certification on  
4 the following:

5 (A) Whether, during the 120-day period  
6 ending on the date of the certification, demon-  
7 strable progress was made—

8 (i) to retake control of territory in  
9 Syria from the Islamic State of Iraq and  
10 Syria (ISIS); or

11 (ii) to stabilize areas in Syria formerly  
12 held by the Islamic State of Iraq and  
13 Syria.

14 (B) Whether, during such period, the vet-  
15 ted Syrian opposition tasked with conducting  
16 local security operations that United States  
17 forces are training and equipping under the au-  
18 thority in section 1209 of the Carl Levin and  
19 Howard P. “Buck” McKeon National Defense  
20 Authorization Act for Fiscal Year 2015, as  
21 amended by subsection (a), were demographi-  
22 cally representative of the local communities  
23 and serve local governance bodies that are simi-  
24 larly representative of the local communities.

1 (C) Whether, during such period, the De-  
2 partment of Defense took actions to mitigate  
3 any pause in offensive operations against the  
4 Islamic State of Iraq and Syria through the  
5 training, equipping, and assistance of the vetted  
6 Syrian opposition.

7 (D) Whether, during such period, support  
8 provided under the authority referred to in sub-  
9 paragraph (B) was consistent with United  
10 States standards regarding respect for human  
11 rights, rule of law, and support for stable and  
12 equitable governance.

13 (E) Whether, during such period, members  
14 of the vetted Syrian opposition receiving sup-  
15 port under the authority referred to in subpara-  
16 graph (B) continued to demonstrate respect for  
17 human rights and rule of law, violations of  
18 human rights and rule of law by such members  
19 were appropriately investigated, and the individ-  
20 uals responsible for such violations were appro-  
21 priately held accountable.

22 (2) LIMITATION.—If the Secretary does not  
23 make a certification by the deadline for submittal re-  
24 quired for the certification under paragraph (1), or  
25 is unable in the certification to certify each of the

1 matters specified in that paragraph, no support may  
2 be provided to the vetted Syrian opposition under  
3 the authority in section 1209 of the Carl Levin and  
4 Howard P. “Buck” McKeon National Defense Au-  
5 thorization Act for Fiscal Year 2015, as amended by  
6 subsection (a), during the period that—

7 (A) begins on the deadline for submittal of  
8 the certification (if the certification is not  
9 made) or the date of the certification (if the  
10 certification does not certify each of the mat-  
11 ters), as applicable; and

12 (B) ends on the date on which a certifi-  
13 cation is submitted under paragraph (1) that  
14 certifies each of the matters.

15 **SEC. 1223. EXTENSION AND MODIFICATION OF AUTHORITY**  
16 **TO SUPPORT OPERATIONS AND ACTIVITIES**  
17 **OF THE OFFICE OF SECURITY COOPERATION**  
18 **IN IRAQ.**

19 (a) **EXTENSION OF AUTHORITY.**—Subsection (f)(1)  
20 of section 1215 of the National Defense Authorization Act  
21 for Fiscal Year 2012 (10 U.S.C. 113 note) is amended  
22 by striking “fiscal year 2018” and inserting “fiscal year  
23 2019”.

24 (b) **AMOUNT AVAILABLE.**—

1           (1) IN GENERAL.—Such section is further  
2 amended—

3           (A) in subsection (c), by striking “fiscal  
4 year 2018 may not exceed \$42,000,000” and  
5 inserting “fiscal year 2019 may not exceed  
6 \$45,300,000”; and

7           (B) in subsection (d), by striking “fiscal  
8 year 2018” and inserting “fiscal year 2019”.

9           (2) LIMITATION OF USE OF FISCAL YEAR 2019  
10 FUNDS PENDING REPORTS.—Of the amount avail-  
11 able for fiscal year 2019 for section 1215 of the Na-  
12 tional Defense Authorization Act for Fiscal Year  
13 2012, as amended by this section, not more than an  
14 amount equal to 25 percent of such amount may be  
15 obligated or expended for the Office of Security Co-  
16 operation in Iraq until 30 days after the later of—

17           (A) the date on which the report on the  
18 United States strategy on Iraq required by the  
19 joint explanatory statement of the committee of  
20 the conference accompanying Conference Re-  
21 port 115–404 is submitted to the congressional  
22 defense committees; and

23           (B) the date on which the report required  
24 under subsection (c) is submitted to the appro-  
25 priate committees of Congress.

1 (c) REPORT.—

2 (1) IN GENERAL.—Not later than 180 days  
3 after the date of the enactment of this Act, the Sec-  
4 retary of Defense, in cooperation with the Secretary  
5 of State, shall submit to the appropriate committees  
6 of Congress a report on the Office of Security Co-  
7 operation in Iraq.

8 (2) ELEMENTS.—The report required by para-  
9 graph (1) shall include the following:

10 (A) A description of the enduring planned  
11 size and missions of the Office of Security Co-  
12 operation in Iraq after the cessation of major  
13 combat operations against the Islamic State of  
14 Iraq and Syria.

15 (B) A description of the relationship be-  
16 tween the Office of Security Cooperation in  
17 Iraq and any planned enduring presence of  
18 other United States forces in Iraq.

19 (C) A detailed description of any activity  
20 to be conducted by the Office of Security Co-  
21 operation in Iraq in fiscal year 2019.

22 (D) A plan and timeline for the normaliza-  
23 tion of the Office of Security Cooperation in  
24 Iraq to conform to other offices of security co-  
25 operation, including the transition of funding

1 from the Department of Defense to the Depart-  
2 ment of State by the beginning of fiscal year  
3 2020.

4 (E) Such other matters with respect to the  
5 Office of Security Cooperation in Iraq as the  
6 Secretary of Defense and the Secretary of State  
7 consider appropriate.

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

11 (1) the Committee on Armed Services and the  
12 Committee on Foreign Relations of the Senate; and

13 (2) the Committee on Armed Services and the  
14 Committee on Foreign Affairs of the House of Rep-  
15 resentatives.

16 **SEC. 1224. SYRIA STUDY GROUP.**

17 (a) ESTABLISHMENT.—There is established a work-  
18 ing group to be known as the “Syria Study Group” (in  
19 this section referred to as the “Group”).

20 (b) PURPOSE.—The purpose of the Group is to exam-  
21 ine and make recommendations on the military and diplo-  
22 matic strategy of the United States with respect to the  
23 conflict in Syria.

24 (c) COMPOSITION.—

1           (1) MEMBERSHIP.—The Group shall be com-  
2           posed of 12 members, who shall be appointed as fol-  
3           lows:

4                   (A) One member appointed by the chair of  
5           the Committee on Armed Services of the Sen-  
6           ate.

7                   (B) One member appointed by the ranking  
8           minority member of the Committee on Armed  
9           Services of the Senate.

10                  (C) One member appointed by the chair of  
11           the Committee on Foreign Relations of the Sen-  
12           ate.

13                  (D) One member appointed by the ranking  
14           minority member of the Committee on Foreign  
15           Relations of the Senate.

16                  (E) One member appointed by the chair of  
17           the Committee on Armed Services of the House  
18           of Representatives.

19                  (F) One member appointed by the ranking  
20           minority member of the Committee on Armed  
21           Services of the House of Representatives.

22                  (G) One member appointed by the chair of  
23           the Committee on Foreign Affairs of the House  
24           of Representatives.



1 (H) One member appointed by the ranking  
2 minority member of the Committee on Foreign  
3 Affairs of the House of Representatives.

4 (I) One member appointed by the majority  
5 leader of the Senate.

6 (J) One member appointed by the minority  
7 leader of the Senate.

8 (K) One member appointed by the Speaker  
9 of the House of Representatives.

10 (L) One member appointed by the minority  
11 leader of the House of Representatives.

12 (2) CO-CHAIRS.—

13 (A) Of the members of the Group, one co-  
14 chair shall be jointly designated by—

15 (i) the chairs of the Committee on  
16 Armed Services and the Committee on  
17 Foreign Relations of the Senate;

18 (ii) the chairs of the Committee on  
19 Armed Services and the Committee on  
20 Foreign Affairs of the House of Represent-  
21 atives;

22 (iii) the majority leader of the Senate;  
23 and

24 (iv) the Speaker of the House of Rep-  
25 resentatives.

1 (B) Of the members of the Group, one co-  
2 chair shall be jointly designated by—

3 (i) the ranking minority members of  
4 the Committee on Armed Services and the  
5 Committee on Foreign Relations of the  
6 Senate;

7 (ii) the ranking minority members of  
8 the Committee on Armed Services and the  
9 Committee on Foreign Affairs of the  
10 House of Representatives;

11 (iii) the minority leader of the Senate;

12 and

13 (iv) the minority leader of the House  
14 of Representatives.

15 (3) PERIOD OF APPOINTMENT.—A member  
16 shall be appointed for the life of the Group.

17 (4) VACANCIES.—Any vacancy in the Group  
18 shall be filled in the same manner as the original ap-  
19 pointment.

20 (d) DUTIES.—

21 (1) REVIEW.—The Group shall conduct a re-  
22 view on the current United States military and dip-  
23 lomatic strategy with respect to the conflict in Syria  
24 that includes a review of current United States ob-  
25 jectives in Syria and the desired end state in Syria.

1           (2) ASSESSMENT AND RECOMMENDATIONS.—

2           The Group shall—

3                   (A) conduct a comprehensive assessment of  
4                   the current situation in Syria, the impact of  
5                   such situation on neighboring countries, the re-  
6                   sulting regional and geopolitical threats to the  
7                   United States, and current military, diplomatic,  
8                   and political efforts to achieve a stable Syria;  
9                   and

10                   (B) develop recommendations on the mili-  
11                   tary and diplomatic strategy of the United  
12                   States with respect to the conflict in Syria.

13           (e) COOPERATION OF UNITED STATES GOVERN-  
14           MENT.—

15                   (1) IN GENERAL.—The Group shall receive the  
16                   full and timely cooperation of the Secretary of De-  
17                   fense, the Secretary of State, and the Director of  
18                   National Intelligence in providing the Group with  
19                   analyses, briefings, and other information necessary  
20                   for the discharge of the duties of the Group under  
21                   subsection (d).

22                   (2) LIAISON.—The Secretary of Defense, the  
23                   Secretary of State, and the Director of National In-  
24                   telligence shall each designate at least one officer or  
25                   employee of the Department of Defense, the Depart-

1       ment of State, and the Office of the Director of Na-  
2       tional Intelligence, respectively, to serve as a liaison  
3       to the Group.

4           (3) FACILITATION.—The United States Insti-  
5       tute of Peace shall take appropriate actions to facili-  
6       tate the Group in the discharge of the duties of the  
7       Group under this section.

8       (f) REPORTS.—

9           (1) FINAL REPORT.—

10           (A) IN GENERAL.—Not later than June  
11       30, 2019, the Group shall submit to the Presi-  
12       dent, the Secretary of Defense, the Committee  
13       on Armed Services and the Committee on For-  
14       eign Relations of the Senate, the Committee on  
15       Armed Services and the Committee on Foreign  
16       Affairs of the House of Representatives, the  
17       majority and minority leaders of the Senate, the  
18       Speaker of the House of Representatives, and  
19       the minority leader of the House of Representa-  
20       tives a report that sets forth the findings, con-  
21       clusions, and recommendations of the Group  
22       under this section.

23           (B) ELEMENTS.—The report required by  
24       subparagraph (A) shall include each of the fol-  
25       lowing:

1 (i) An assessment of the current secu-  
2 rity, political, humanitarian, and economic  
3 situations in Syria.

4 (ii) An assessment of the current par-  
5 ticipation and objectives of the various ex-  
6 ternal actors in Syria.

7 (iii) An assessment of the con-  
8 sequences of continued conflict in Syria.

9 (iv) Recommendations for a resolution  
10 to the conflict in Syria, including—

11 (I) options for a gradual political  
12 transition to a post-Assad Syria; and

13 (II) actions necessary for rec-  
14 onciliation.

15 (v) A roadmap for a United States  
16 and coalition strategy to reestablish secu-  
17 rity and governance in Syria, including rec-  
18 ommendations for the synchronization of  
19 stabilization, development, counterter-  
20 rorism, and reconstruction efforts.

21 (vi) Any other matter with respect to  
22 the conflict in Syria that the Group con-  
23 siders to be appropriate.

24 (2) INTERIM REPORT.—Not later than Feb-  
25 ruary 1, 2019, the Group shall submit to the Com-

1 mittee on Armed Services and the Committee on  
 2 Foreign Relations of the Senate, the Committee on  
 3 Armed Services and the Committee on Foreign Af-  
 4 fairs of the House of Representatives, the majority  
 5 and minority leaders of the Senate, the Speaker of  
 6 the House of Representatives, and the minority lead-  
 7 er of the House of Representatives a report that de-  
 8 scribes the status of the review and assessment  
 9 under subsection (d) and any interim recommenda-  
 10 tions developed by the Group as of the date of the  
 11 briefing.

12 (3) FORM OF REPORT.—The report submitted  
 13 to Congress under paragraph (1) shall be submitted  
 14 in unclassified form, but may include a classified  
 15 annex.

16 (g) TERMINATION.—The Group shall terminate on  
 17 the date that is 180 days after the date on which the  
 18 Group submits the report required by subsection (f)(1).

19 **SEC. 1225. MODIFICATION OF ANNUAL REPORT ON MILI-**  
 20 **TARY POWER OF IRAN.**

21 Section 1245(b) of the National Defense Authoriza-  
 22 tion Act for Fiscal Year 2010 (10 U.S.C. 113 note) is  
 23 amended—

24 (1) in paragraph (3)(B), by inserting “the  
 25 Houthis,” after “ Hamas,”; and

1 (2) in paragraph (7)—

2 (A) by inserting “the Russian Federation,”  
3 after “Pakistan,”; and

4 (B) by inserting “trafficking or” before  
5 “development”.

6 **Subtitle D—Matters Relating to Eu-**  
7 **rope and the Russian Federa-**  
8 **tion**

9 **SEC. 1231. EXTENSION OF LIMITATION ON MILITARY CO-**  
10 **OPERATION BETWEEN THE UNITED STATES**  
11 **AND THE RUSSIAN FEDERATION.**

12 (a) EXTENSION.—Subsection (a) of section 1232 of  
13 the National Defense Authorization Act for Fiscal Year  
14 2017 (Public Law 114–328; 130 Stat. 2488), as amended  
15 by section 1231 of the National Defense Authorization Act  
16 for Fiscal Year 2018 (Public Law 115–91), is further  
17 amended in the matter preceding paragraph (1) by strik-  
18 ing “fiscal year 2017 or 2018” and inserting “fiscal year  
19 2017, 2018, or 2019”.

20 (b) RULE OF CONSTRUCTION.—Such section is fur-  
21 ther amended—

22 (1) by redesignating subsection (e) as sub-  
23 section (f); and

24 (2) by inserting after subsection (d) the fol-  
25 lowing new subsection (e):

1       “(e) **RULE OF CONSTRUCTION.**—Nothing in sub-  
2 section (a) shall be construed to limit bilateral military-  
3 to-military dialogue between the United States and the  
4 Russian Federation for the purpose of reducing the risk  
5 of conflict.”.

6 **SEC. 1232. LIMITATION ON AVAILABILITY OF FUNDS RELAT-**  
7 **ING TO SOVEREIGNTY OF THE RUSSIAN FED-**  
8 **ERATION OVER CRIMEA.**

9       (a) **LIMITATION.**—None of the funds authorized to  
10 be appropriated by this Act or otherwise made available  
11 for fiscal year 2019 for the Department of Defense may  
12 be obligated or expended to implement any activity that  
13 recognizes the sovereignty of the Russian Federation over  
14 Crimea.

15       (b) **WAIVER.**—The Secretary of Defense, with the  
16 concurrence of the Secretary of State, may waive the limi-  
17 tation in subsection (a) if the Secretary of Defense—

18           (1) determines that the waiver is in the national  
19 security interest of the United States; and

20           (2) submits to the Committee on Armed Serv-  
21 ices and the Committee on Foreign Relations of the  
22 Senate and the Committee on Armed Services and  
23 the Committee on Foreign Affairs of the House of  
24 Representatives a notification of the waiver.



1 **SEC. 1233. EXTENSION OF UKRAINE SECURITY ASSISTANCE**  
2 **INITIATIVE.**

3 Section 1250 of the National Defense Authorization  
4 Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat.  
5 1068), as most recently amended by section 1234 of the  
6 National Defense Authorization Act for Fiscal Year 2018  
7 (Public Law 115–91), is further amended—

8 (1) in subsection (c)—

9 (A) in paragraph (1), by striking “for fis-  
10 cal year 2018 pursuant to subsection (f)(3)”  
11 and inserting “for fiscal year 2019 pursuant to  
12 subsection (f)(4)”; and

13 (B) in paragraph (3), by striking “fiscal  
14 year 2018” and inserting “fiscal year 2019”;

15 (2) in subsection (f), by adding at the end the  
16 following new paragraph:

17 “(4) For fiscal year 2019, \$200,000,000.”; and

18 (3) in subsection (h), by striking “December  
19 31, 2020” and inserting “December 31, 2021”.

20 **SEC. 1234. SENSE OF SENATE ON RELOCATION OF JOINT IN-**  
21 **TELLIGENCE ANALYSIS COMPLEX.**

22 It is the sense of the Senate that, in consideration  
23 of any future plans regarding the relocation of the Joint  
24 Intelligence Analysis Complex of the United States Euro-  
25 pean Command, the Secretary of Defense should maintain  
26 its geographic location within the United Kingdom and its

1 collocation with the North Atlantic Treaty Organization  
2 (NATO) Intelligence Fusion Center.

3 **SEC. 1235. SENSE OF SENATE ON ENHANCING DETERRENCE**  
4 **AGAINST RUSSIAN AGGRESSION IN EUROPE.**

5 (a) STATEMENT OF POLICY.—To protect the national  
6 security of the United States, it is the policy of the United  
7 States to pursue an integrated approach to strengthening  
8 the defense of allies and partners in Europe as part of  
9 a broader, long-term strategy backed by all elements of  
10 United States national power to deter and, if necessary,  
11 defeat Russian aggression.

12 (b) SENSE OF THE SENATE.—It is the sense of the  
13 Senate that in order to strengthen the defense of allies  
14 and partners in Europe, the Secretary of Defense, in co-  
15 ordination with the Secretary of State and in consultation  
16 with the commander of United States European Com-  
17 mand, should—

18 (1) prioritize the need for additional United  
19 States Army forward presence in Europe, especially  
20 increased forward-stationed combat enablers to en-  
21 hance United States Army capability and capacity in  
22 areas such as—

23 (A) long-range fires;

24 (B) air and missile defense;

25 (C) combat engineering;

1 (D) logistics and sustainment;

2 (E) warfighting headquarters elements;

3 and

4 (F) electronic warfare;

5 (2) conduct a review of the balance of United  
6 States Army presence in Europe between  
7 rotationally deployed and forward-stationed forces,  
8 including an examination of transitioning the rota-  
9 tional presence of a United States Army armored  
10 brigade combat team (ABCT) in Europe to a for-  
11 ward-stationed ABCT, with consideration of—

12 (A) the opportunity to more effectively sig-  
13 nal the enduring commitment of the United  
14 States—

15 (i) to assure allies and partners in  
16 Europe; and

17 (ii) to deter Russian aggression;

18 (B) the significant recurring fiscal costs of  
19 rotating heavy, equipment-intensive units;

20 (C) the family readiness impacts of lengthy  
21 heel-to-toe rotational deployments;

22 (D) the potential advantages of interoper-  
23 ability and cultural proficiency that can be  
24 achieved by forward-stationed forces that have  
25 knowledge of local rules, regulations, culture,

1 customs, geography, and counterpart military  
2 units and officials;

3 (E) the potential tradeoffs between—

4 (i) the training readiness and high  
5 operational tempo of rotational units; and

6 (ii) the higher manning rates of for-  
7 ward-stationed forces; and

8 (F) the benefits of National Training Cen-  
9 ter rotations for rotationally deployed units as  
10 compared to maximized use of United States  
11 Army training areas in Europe, including the  
12 Joint Multinational Readiness Center in Ger-  
13 many, by forward-stationed units in Europe;

14 (3) consider options for mitigating personnel  
15 impacts of heel-to-toe rotations of United States  
16 forces in Europe, including designation of Operation  
17 Atlantic Resolve as a named operation;

18 (4) examine the merit and feasibility of main-  
19 taining a continuous and enduring presence of at  
20 least one United States Army company in Estonia,  
21 Latvia, and Lithuania;

22 (5) examine the merit and feasibility of increas-  
23 ing the presence of United States special operations  
24 forces in Estonia, Latvia, and Lithuania to deter ag-  
25 gression, promote interoperability, build resilience

1 through training activities focused on countering un-  
2 conventional warfare strategies, and enable the  
3 North Atlantic Treaty Organization (NATO) to take  
4 collective action if required;

5 (6) examine the merit and feasibility of  
6 prepositioning certain equipment and ammunition in  
7 Estonia, Latvia, and Lithuania;

8 (7) continue rotational deployments of United  
9 States forces to Romania and Bulgaria while taking  
10 full advantage of the training opportunities available  
11 at military locations such as Camp Mihail  
12 Kogalniceanu in Romania and Novo Selo Training  
13 Area in Bulgaria;

14 (8) examine the implications of Russian mili-  
15 tary activity in the Arctic region for United States  
16 military capability, capacity, and force posture;

17 (9) conduct exercises focused on demonstrating  
18 the capability to flow United States forces from the  
19 continental United States and surge forces from cen-  
20 tral to eastern Europe in a nonpermissive environ-  
21 ment—

22 (A) to test and improve strategic and oper-  
23 ational logistics and transportation capabilities;

1 (B) to identify capability gaps, capacity  
2 shortfalls, or other limiting factors in the execu-  
3 tion of operational plans; and

4 (C) to identify appropriate corrective ac-  
5 tion;

6 (10) consider incorporating cyber protection  
7 teams, to the extent practicable, with rotational  
8 forces in Europe with a focus on training United  
9 States and allied forces to operate against adversary  
10 cyber, electronic warfare, and information operations  
11 capabilities;

12 (11) support robust security assistance for  
13 Ukraine, including defensive lethal assistance, while  
14 promoting necessary defense institutional reforms;

15 (12) support robust security assistance for  
16 Georgia, including defensive lethal assistance, to  
17 strengthen the defense capabilities and readiness of  
18 Georgia, and improve interoperability with NATO  
19 forces;

20 (13) promote enhanced military-to-military en-  
21 gagement between the United States and the mili-  
22 taries of the countries of the Western Balkans to  
23 promote interoperability with NATO, civilian control  
24 of the military, procurement reforms, and regional  
25 security cooperation;

1           (14) develop and implement a comprehensive  
2 security cooperation strategy that rationalizes and  
3 prioritizes support for allies and partners in Europe,  
4 including Estonia, Latvia, Lithuania, Poland, Roma-  
5 nia, Bulgaria, Ukraine, Moldova, and Georgia;

6           (15) consider the merit and feasibility of a de-  
7 fense lending initiative to support allies and partners  
8 in Europe, especially allies and partners that are  
9 most vulnerable to Russian aggression, to supple-  
10 ment and fill gaps in existing United States security  
11 assistance and arms sales mechanisms; and

12           (16) in NATO or through other multilateral  
13 formats—

14           (A) promote reforms to accelerate the  
15 speed of decision and deployability within  
16 NATO, including delegation to the Secretary  
17 General and the Supreme Allied Commander  
18 Europe (SACEUR) of the authority to deploy  
19 the Very High Readiness Joint Task Force to  
20 any location within the territory of NATO allies  
21 in response to a security crisis;

22           (B) promote a more robust NATO defense  
23 planning process that—

1 (i) defines clear, stable chains-of-com-  
2 mand responsible for the execution of  
3 graduated response plans;

4 (ii) generates realistic military re-  
5 quirements; and

6 (iii) provides a basis for assigning al-  
7 lies specific responsibilities as force pro-  
8 viders in contingency plans;

9 (C) pursue planning agreements with allies  
10 and partners in Europe on rules of engagement  
11 and arrangements for command and control,  
12 access, transit, and support in crisis situations,  
13 which occur prior to an invocation of Article 5  
14 of the Washington Treaty by the North Atlantic  
15 Council;

16 (D) promote operational readiness of  
17 major combat units as a key element of alliance  
18 burden sharing alongside spending commit-  
19 ments made at the 2014 Wales Summit, includ-  
20 ing through—

21 (i) the establishment of 30-day readi-  
22 ness targets for NATO kinetic air squad-  
23 rons, major naval combatants, and mecha-  
24 nized maneuver battalions;



1           (ii) emphasis on allies maintaining  
2           fully manned units, improving readiness of  
3           key logistics units, increasing lift capacity,  
4           and maintaining sufficient stocks of equip-  
5           ment and munitions; and

6           (iii) the conduct of NATO exercises  
7           with a focus on rapid mobilization and de-  
8           ployment of allied forces;

9           (E) explore transitioning the Baltic air po-  
10          licing mission of NATO to a Baltic air defense  
11          mission that would—

12           (i) be fully integrated with the Inte-  
13           grated Air and Missile Defense of NATO  
14           and other regional short- and medium-  
15           range air defense systems; and

16           (ii) include the participation of NATO  
17           and regional partners such as Sweden and  
18           Finland; and

19          (F) support multilateral efforts to improve  
20          maritime domain awareness in the Baltic Sea,  
21          including—

22           (i) integrating subsurface sensors and  
23           anti-submarine warfare platforms of  
24           NATO and other regional partners into a

1 shared maritime domain awareness frame-  
2 work;

3 (ii) coordinating the development, pro-  
4 curement, and employment of aerial, sur-  
5 face, and subsurface unmanned vehicles as  
6 well as mobile air surveillance radars;

7 (iii) expanding the scope of Sea Sur-  
8 veillance Cooperation Baltic Sea  
9 (SUCBAS) information sharing to include  
10 sensitive or classified data with the goal of  
11 creating a common operating picture; and

12 (iv) encouraging civil-military collabo-  
13 ration on maritime domain awareness;

14 (G) promote alignment of the Permanent  
15 Structured Cooperation, European Defense  
16 Fund, and Coordinated Annual Review on De-  
17 fense of the European Union (EU) with the  
18 NATO defense planning process;

19 (H) support NATO–EU cooperation to en-  
20 sure that—

21 (i) EU capability development is co-  
22 herent, complementary, and interoperable  
23 with NATO;

24 (ii) EU-generated capabilities are  
25 available to NATO; and

1 (iii) EU defense activities are con-  
2 ducted with appropriate transparency and  
3 participation of non-EU states;

4 (I) support coordinated NATO and EU ac-  
5 tions on expediting or waiving diplomatic clear-  
6 ances for the movement of United States and  
7 allied forces during contingencies;

8 (J) support cooperative investment frame-  
9 works that promote increased military mobility  
10 in Europe;

11 (K) explore enhancing the role of NATO  
12 Force Integration Units to more centrally co-  
13 ordinate exercises and training by de-conflicting  
14 training engagements, identifying opportunities  
15 for combined activities, and ensuring exercise  
16 design and delivery are responsive to the dy-  
17 namic security environment;

18 (L) support cooperative efforts to improve  
19 the cyber resiliency of commercial systems in  
20 Europe, especially port and rail infrastructure  
21 essential for military mobility;

22 (M) support NATO procurement and  
23 training efforts to expand the use of secure and  
24 interoperable communications at the operational  
25 level, especially in the militaries of Estonia,

1 Latvia, Lithuania, Poland, Romania, and Bul-  
2 garia;

3 (N) expand cooperation and joint planning  
4 with allies and partners on intelligence, surveil-  
5 lance, and reconnaissance (ISR), including—

6 (i) exercises related to border security  
7 and crisis command and control; and

8 (ii) electronic warfare, anti-air, and  
9 anti-surface capabilities;

10 (O) promote efforts to improve the capa-  
11 bility and readiness of NATO Standing Mari-  
12 time Groups;

13 (P) encourage regular review and update  
14 of the Alliance Maritime Strategy of NATO to  
15 reflect the changing military balance in the  
16 Black Sea with a particular focus on ISR,  
17 cyber, electronic warfare, and anti-submarine  
18 warfare capabilities as well as defense of ports,  
19 airfields, military bases, and other critical infra-  
20 structure;

21 (Q) explore increasing the frequency, scale,  
22 and scope of NATO and other multilateral exer-  
23 cises in the Black Sea with the participation of  
24 Ukraine and Georgia;

1 (R) promote integration of United States  
2 Marines in Norway with the United Kingdom-  
3 led Joint Expeditionary Force to increase multi-  
4 lateral cooperation and interoperability between  
5 NATO and regional partners such as Sweden  
6 and Finland;

7 (S) affirm support for the Open Door pol-  
8 icy of NATO, including the eventual member-  
9 ship of Georgia in NATO; and

10 (T) promote the contribution of sufficient  
11 resources by NATO allies for the Substantial  
12 NATO-Georgia Package, and encourage NATO  
13 allies to make full use of the NATO–Georgian  
14 Joint Training and Evaluation Center.

15 **SEC. 1236. TECHNICAL AMENDMENTS RELATED TO NATO**  
16 **SUPPORT AND PROCUREMENT ORGANIZA-**  
17 **TION AND RELATED NATO AGREEMENTS.**

18 (a) TITLE 10, UNITED STATES CODE.—Section  
19 2350d of title 10, United States Code, is amended—

20 (1) by striking “NATO Support Organization”  
21 each place it appears and inserting “NATO Support  
22 and Procurement Organization”;

23 (2) by striking “Support Partnership Agree-  
24 ment” each place it appears and inserting “Support  
25 or Procurement Partnership Agreement”; and

1           (3) in subsection (a)(1), by striking “Support  
2           Partnership Agreements” and inserting “Support or  
3           Procurement Partnership Agreements”.

4           (b) ARMS EXPORT CONTROL ACT.—Section 21(e)(3)  
5 of the Arms Export Control Act (22 U.S.C. 2761(e)(3))  
6 is amended—

7           (1) in subparagraph (A)—

8                 (A) in the matter preceding clause (i), by  
9                 striking “North Atlantic Treaty Organization  
10                (NATO) Support Organization” and inserting  
11                “North Atlantic Treaty Organization (NATO)  
12                Support and Procurement Organization”; and

13                (B) in clause (i), by striking “support  
14                partnership agreement” and inserting “support  
15                or procurement partnership agreement”; and

16           (2) in subparagraph (C)(i), in the matter pre-  
17           ceding subclause (I)—

18                 (A) by striking “‘weapon system partner-  
19                ship agreement’” and inserting “‘support or  
20                procurement partnership agreement’”; and

21                 (B) by striking “North Atlantic Treaty Or-  
22                ganization (NATO) Support Organization” and  
23                inserting “North Atlantic Treaty Organization  
24                (NATO) Support and Procurement Organiza-  
25                tion”.

1 **SEC. 1237. REPORT ON SECURITY COOPERATION BETWEEN**  
2 **THE RUSSIAN FEDERATION AND CUBA, NICA-**  
3 **RAGUA, AND VENEZUELA.**

4 (a) IN GENERAL.—Not later than 180 days after the  
5 date of the enactment of this Act, the Director of the De-  
6 fense Intelligence Agency shall submit to the appropriate  
7 committees of Congress a report on security cooperation  
8 between the Russian Federation and each of the countries  
9 specified in subsection (b).

10 (b) COUNTRIES.—The countries specified in this sub-  
11 section are as follows:

- 12 (1) Cuba.
- 13 (2) Nicaragua.
- 14 (3) Venezuela.

15 (c) MATTERS TO BE INCLUDED.—The report re-  
16 quired by subsection (a) shall include the following:

17 (1) An assessment of bilateral security coopera-  
18 tion between the Russian Federation and each coun-  
19 try specified in subsection (b) that includes each of  
20 the following:

21 (A) A list of Russian weapon systems or  
22 other military hardware or technology valued at  
23 not less than \$1,000,000 provided to or pur-  
24 chased by such country since January 1, 2007.

25 (B) A description of the participation of  
26 the security forces of such country in training

1 or exercises with the security forces of the Rus-  
2 sian Federation since January 1, 2007.

3 (C) A description of any security coopera-  
4 tion agreement between the Russian Federation  
5 and such country.

6 (D) A description of any military or intel-  
7 ligence infrastructure, facilities, and assets de-  
8 veloped by the Russian Federation in each such  
9 country and any associated agreements or un-  
10 derstandings between the Russian Federation  
11 and such country.

12 (2) An assessment of security cooperation, spe-  
13 cifically in an advisory role, among the countries  
14 specified in subsection (b).

15 (d) FORM.—The report required by subsection (a)  
16 shall be submitted in unclassified form, but may include  
17 a classified annex.

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

21 (1) the Committee on Armed Services, the  
22 Committee on Foreign Relations, and the Committee  
23 on Appropriations of the Senate; and



1 (2) the Committee on Armed Services, the  
 2 Committee on Foreign Affairs, and the Committee  
 3 on Appropriations of the House of Representatives.

4 **SEC. 1238. SENSE OF SENATE ON COUNTERING RUSSIAN**  
 5 **MALIGN INFLUENCE.**

6 It is the sense of the Senate that the Secretary of  
 7 Defense and the Secretary of State should—

8 (1) urgently prioritize the completion of a com-  
 9 prehensive strategy to counter Russian malign influ-  
 10 ence; and

11 (2) submit to Congress the report required by  
 12 section 1239A(d) of the National Defense Authoriza-  
 13 tion Act for Fiscal Year 2018 (Public Law 115–91).

14 **Subtitle E—Matters Relating to the**  
 15 **Indo-Pacific Region**

16 **SEC. 1241. REDESIGNATION, EXPANSION, AND EXTENSION**  
 17 **OF SOUTHEAST ASIA MARITIME SECURITY**  
 18 **INITIATIVE.**

19 (a) REDESIGNATION AS INDO-PACIFIC MARITIME SE-  
 20 CURITY INITIATIVE.—

21 (1) IN GENERAL.—Subsection (a)(2) of section  
 22 1263 of the National Defense Authorization Act for  
 23 Fiscal Year 2016 (10 U.S.C. 333 note) is amended  
 24 by striking “the ‘Southeast Asia Maritime Security

1 Initiative’” and inserting “the ‘Indo-Pacific Mari-  
2 time Security Initiative’”.

3 (2) CONFORMING AMENDMENT.—The heading  
4 of such section is amended to read as follows:

5 **“SEC. 1263. INDO-PACIFIC MARITIME SECURITY INITIA-  
6 TIVE.”.**

7 (b) EXPANSION.—

8 (1) EXPANSION OF REGION TO RECEIVE ASSIST-  
9 ANCE AND TRAINING.—Subsection (a)(1) of such  
10 section is amended by inserting “and the Indian  
11 Ocean” after “South China Sea” in the matter pre-  
12 ceding subparagraph (A).

13 (2) RECIPIENT COUNTRIES OF ASSISTANCE AND  
14 TRAINING GENERALLY.—Subsection (b) of such sec-  
15 tion is amended—

16 (A) in paragraph (2), by striking the  
17 comma at the end and inserting a period; and

18 (B) by adding at the end the following new  
19 paragraphs:

20 “(6) Bangladesh.

21 “(7) Sri Lanka.”.

22 (3) COUNTRIES ELIGIBLE FOR PAYMENT OF  
23 CERTAIN INCREMENTAL EXPENSES.—Subsection  
24 (e)(2) of such section is amended by adding at the  
25 end the following new subparagraph:

1 “(D) India.”.

2 (c) EXTENSION.—Subsection (h) of such section is  
3 amended by striking “September 30, 2020” and inserting  
4 “December 31, 2025”.

5 **SEC. 1242. MODIFICATION OF ANNUAL REPORT ON MILI-**  
6 **TARY AND SECURITY DEVELOPMENTS IN-**  
7 **VOLVING THE PEOPLE’S REPUBLIC OF**  
8 **CHINA.**

9 Section 1202(b) of the National Defense Authoriza-  
10 tion Act for Fiscal Year 2000 (10 U.S.C. 113 note) is  
11 amended—

12 (1) by redesignating paragraphs (6) through  
13 (16) and (17) through (23) as paragraphs (7)  
14 through (17) and (19) through (25), respectively;

15 (2) by inserting after paragraph (5) the fol-  
16 lowing new paragraph (6):

17 “(6) China’s overseas military basing and logis-  
18 tics infrastructure.”;

19 (3) in paragraph (8), as so redesignated, by  
20 striking “including technology transfers and espio-  
21 nage” in the first sentence and inserting “including  
22 investment, industrial espionage, cybertheft, aca-  
23 demia, and other means of technology transfer”;

24 (4) by inserting after paragraph (17), as so re-  
25 designated, the following new paragraph (18):

1           “(18) An assessment of relations between China  
2           and the Russian Federation with respect to security  
3           and military matters.”; and

4           (5) by adding at the end the following new  
5           paragraphs:

6           “(26) The relationship between Chinese over-  
7           seas investment, including initiatives such as the  
8           Belt and Road Initiative, and Chinese security and  
9           military strategy objectives.

10          “(27) Efforts by China to influence the media,  
11          cultural institutions, business, and academic and  
12          policy communities of the United States to be more  
13          favorable to its security and military strategy and  
14          objectives.

15          “(28) Efforts by China to monitor and influ-  
16          ence, in support of its security and military strategy  
17          and objectives, the following:

18                 “(A) Chinese citizens in the United States.

19                 “(B) United States citizens of Chinese de-  
20                 scent.”.

21 **SEC. 1243. SENSE OF SENATE ON TAIWAN.**

22           It is the sense of the Senate that—

23                 (1) the Taiwan Relations Act (22 U.S.C. 3301  
24                 et seq.) and the “Six Assurances” are both corner-  
25                 stones of United States relations with Taiwan;

1           (2) the United States should strengthen defense  
2           and security cooperation with Taiwan to support the  
3           development of capable, ready, and modern defense  
4           forces necessary for Taiwan to maintain a sufficient  
5           self-defense capability;

6           (3) the United States should strongly support  
7           the acquisition by Taiwan of defensive weapons  
8           through foreign military sales, direct commercial  
9           sales, and industrial cooperation, with a particular  
10          emphasis on asymmetric warfare and undersea war-  
11          fare capabilities, consistent with the Taiwan Rela-  
12          tions Act;

13          (4) the United States should improve the pre-  
14          dictability of arms sales to Taiwan by ensuring time-  
15          ly review of and response to requests of Taiwan for  
16          defense articles and defense services;

17          (5) the Secretary of Defense should promote  
18          Department of Defense policies concerning ex-  
19          changes that enhance the security of Taiwan, includ-  
20          ing—

21                  (A) United States participation in appro-  
22                  priate Taiwan exercises, such as the annual  
23                  Han Kuang exercise;

24                  (B) Taiwan participation in appropriate  
25                  United States exercises; and

1 (C) exchanges between senior defense offi-  
2 cials and general officers of the United States  
3 and Taiwan consistent with the Taiwan Travel  
4 Act (Public Law 115–135);

5 (6) the United States and Taiwan should ex-  
6 pand cooperation in humanitarian assistance and  
7 disaster relief; and

8 (7) the Secretary of Defense should consider  
9 supporting the visit of a United States hospital ship  
10 to Taiwan as part of the annual “Pacific Partner-  
11 ship” mission in order to improve disaster response  
12 planning and preparedness as well as to strengthen  
13 cooperation between the United States and Taiwan.

14 **SEC. 1244. REDESIGNATION AND MODIFICATION OF SENSE**  
15 **OF CONGRESS AND INITIATIVE FOR THE**  
16 **INDO-ASIA-PACIFIC REGION.**

17 (a) REDESIGNATION.—

18 (1) IN GENERAL.—Section 1251 of the Na-  
19 tional Defense Authorization Act for Fiscal Year  
20 2018 (Public Law 115–91) is amended by striking  
21 “Indo-Asia-Pacific” each place it appears and insert-  
22 ing “Indo-Pacific”.

23 (2) HEADING AMENDMENTS.—

24 (A) SECTION HEADING.—The heading of  
25 such section is amended to read as follows:

1 **“SEC. 1251. SENSE OF CONGRESS AND INITIATIVE FOR THE**  
2 **INDO-PACIFIC REGION.”.**

3 (B) SUBSECTION HEADINGS.—Such sec-  
4 tion is further amended in the headings of sub-  
5 sections (b) and (f) by striking “INDO-ASIA-PA-  
6 CIFIC” and inserting “INDO-PACIFIC”.

7 (b) MODIFICATION OF INITIATIVE.—Such section is  
8 further amended—

9 (1) in subsection (c)—

10 (A) by striking paragraphs (1) through (4)  
11 and inserting the following new paragraphs (1)  
12 through (4):

13 “(1) Activities to increase the rotational and  
14 forward presence, improve the capabilities, and en-  
15 hance the posture of the United States Armed  
16 Forces in the Indo-Pacific region—

17 “(A) consistent with the National Defense  
18 Strategy; and

19 “(B) to the extent required to minimize  
20 the risk of execution of the contingency plans of  
21 the Department of Defense.

22 “(2) Activities to improve military and defense  
23 infrastructure, logistics, and assured access in the  
24 Indo-Pacific region to enhance the responsiveness,  
25 survivability, and operational resilience of the United  
26 States Armed Forces in the Indo-Pacific region.

1           “(3) Activities to enhance the storage and pre-  
2           positioning in the Indo-Pacific region of equipment  
3           and munitions of the United States Armed Forces.

4           “(4) Bilateral and multilateral military training  
5           and exercises with allies and partner nations in the  
6           Indo-Pacific region.”; and

7                       (B) in paragraph (5)—

8                               (i) in the matter preceding subpara-  
9                               graph (A), by striking “security capacity”  
10                              and all that follows through “of allies” in  
11                              subparagraph (B) and inserting “security  
12                              capacity of allies”; and

13                             (ii) by redesignating clauses (i)  
14                             through (v) as subparagraphs (A) through  
15                             (E), respectively, and indenting appro-  
16                             priately;

17                       (2) in subsection (d), by striking “only”; and

18                       (3) by amending subsection (e) to read as fol-

19           lows:

20           “(e) FIVE-YEAR PLAN FOR THE INDO-PACIFIC STA-  
21           BILITY INITIATIVE.—

22                       “(1) PLAN REQUIRED.—

23                               “(A) IN GENERAL.—Not later than March  
24                               1, 2019, the Secretary of Defense, in consulta-  
25                               tion with the Commander of the United States



1 Pacific Command, shall submit to the congress-  
2 sional defense committees a future years plan  
3 on activities and resources of the Initiative.

4 “(B) APPLICABILITY.—The plan shall  
5 apply to the Initiative with respect to fiscal year  
6 2020 and at least the four succeeding fiscal  
7 years.

8 “(2) ELEMENTS.—The plan required under  
9 paragraph (1) shall include each of the following:

10 “(A) A description of the objectives of the  
11 Initiative.

12 “(B) A description of the manner in which  
13 such objectives support implementation of the  
14 National Defense Strategy and reduce the risk  
15 of execution of the contingency plans of the De-  
16 partment of Defense by improving the oper-  
17 ational resilience of United States forces in the  
18 Indo-Pacific region.

19 “(C) An assessment of the resource re-  
20 quirements to achieve such objectives.

21 “(D) An assessment of any additional rota-  
22 tional or permanently stationed United States  
23 forces in the Indo-Pacific region required to  
24 achieve such objectives.

1           “(E) An assessment of the logistics re-  
2           quirements, including force enablers, equip-  
3           ment, supplies, storage, and maintenance, to  
4           achieve such objectives.

5           “(F) An identification and assessment of  
6           required infrastructure investments to achieve  
7           such objectives, including potential infrastruc-  
8           ture investments by host countries and new  
9           construction or upgrades of existing sites that  
10          would be funded by the United States.

11          “(G) An assessment of any new agree-  
12          ments, or changes to existing agreements, with  
13          other countries for assured access required to  
14          achieve such objectives.

15          “(H) An assessment of security coopera-  
16          tion investments required to achieve such objec-  
17          tives.

18          “(3) FORM.—The plan required under para-  
19          graph (1) shall be submitted in unclassified form,  
20          but may include a classified annex.”.

21 **SEC. 1245. PROHIBITION ON PARTICIPATION OF THE PEO-**  
22 **PLE’S REPUBLIC OF CHINA IN RIM OF THE**  
23 **PACIFIC (RIMPAC) NAVAL EXERCISES.**

24          (a) SENSE OF CONGRESS.—It is the sense of Con-  
25          gress that—

1           (1) the pace and militarization by the Govern-  
2           ment of the People’s Republic of China of land rec-  
3           lamation activities in the South China Sea is desta-  
4           bilizing the security of United States allies and part-  
5           ners and threatening United States core interests;

6           (2) these activities of the Government of the  
7           People’s Republic of China adversarially threaten  
8           the maritime security of the United States and our  
9           allies and partners;

10          (3) no country that acts adversarially should be  
11          invited to multilateral exercises; and

12          (4) the involvement of the Government of the  
13          People’s Republic of China in multilateral exercises  
14          should undergo reevaluation until such behavior  
15          changes.

16          (b) CONDITIONS FOR FUTURE PARTICIPATION IN  
17 RIMPAC.—The Secretary of Defense shall not enable or  
18 facilitate the participation of the People’s Republic of  
19 China in any Rim of the Pacific (RIMPAC) naval exercise  
20 unless the Secretary certifies to the congressional defense  
21 committees that China has—

22           (1) ceased all land reclamation activities in the  
23           South China Sea;

24           (2) removed all weapons from its land reclama-  
25           tion sites; and

1           (3) established a consistent four-year track  
2 record of taking actions toward stabilizing the re-  
3 gion.

4 **SEC. 1246. ASSESSMENT OF AND REPORT ON GEO-**  
5 **POLITICAL CONDITIONS IN THE INDO-PA-**  
6 **CIFIC REGION.**

7 (a) ASSESSMENT.—

8           (1) IN GENERAL.—Not later than 90 days after  
9 the date of the enactment of this Act, the Secretary  
10 of Defense shall select and enter into an agreement  
11 with an entity independent of the Department of De-  
12 fense to conduct an assessment of the geopolitical  
13 conditions in the Indo-Pacific region that are nec-  
14 essary for the successful implementation of the Na-  
15 tional Defense Strategy.

16           (2) MATTERS TO BE INCLUDED.—The assess-  
17 ment required by paragraph (1) shall include a de-  
18 termination of the geopolitical conditions in the  
19 Indo-Pacific region, including any change in eco-  
20 nomic and political relations, that are necessary to  
21 support United States military requirements for for-  
22 ward defense, extensive forward basing, and alliance  
23 formation and strengthening in such region.

24           (b) REPORT.—Not later than 270 days after the date  
25 of the enactment of this Act, the independent entity se-

1 lected under subsection (a) shall submit to the appropriate  
2 committees of Congress a report on the results of the as-  
3 sessment conducted under that subsection.

4 (c) DEPARTMENT OF DEFENSE SUPPORT.—The Sec-  
5 retary shall provide the independent entity selected under  
6 subsection (a) with timely access to appropriate informa-  
7 tion, data, resources, and analyses necessary for the inde-  
8 pendent entity to conduct the assessment required by that  
9 subsection in a thorough and independent manner.

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

13 (1) the Committee on Armed Services and the  
14 Committee on Foreign Relations of the Senate; and

15 (2) the Committee on Armed Services and the  
16 Committee on Foreign Affairs of the House of Rep-  
17 resentatives.

18 **SEC. 1247. SENSE OF SENATE ON UNITED STATES-INDIA DE-**  
19 **FENSE RELATIONSHIP.**

20 It is the sense the Senate that the United States  
21 should strengthen and enhance its major defense partner-  
22 ship with India and work toward mutual security objec-  
23 tives by—

24 (1) expanding engagement in multilateral  
25 frameworks, including the Quadrilateral Dialogue

1 between the United States, India, Japan, and Aus-  
2 tralia, to promote regional security and defend  
3 shared values and common interests in the rules-  
4 based order;

5 (2) exploring additional steps to implement the  
6 “major defense partner” designation to better facili-  
7 tate military interoperability, information sharing,  
8 and appropriate technology transfers;

9 (3) designating the responsible individual within  
10 the Department of Defense to facilitate the major  
11 defense partnership with India, as required by sec-  
12 tion 1292(a)(1)(B) of the National Defense Author-  
13 ization Act for Fiscal Year 2017 (Public Law 114-  
14 328; 130 Stat. 2559);

15 (4) pursuing strategic initiatives to help develop  
16 India’s defense capabilities, including maritime secu-  
17 rity capabilities;

18 (5) improving cooperation on and coordination  
19 of humanitarian and disaster relief responses;

20 (6) conducting additional joint exercises with  
21 India in the Persian Gulf, the Indian Ocean region,  
22 and the Western Pacific; and

23 (7) furthering cooperative efforts to promote se-  
24 curity and stability in Afghanistan.

1 **SEC. 1248. SENSE OF SENATE ON STRATEGIC IMPORTANCE**  
2 **OF MAINTAINING COMMITMENTS UNDER**  
3 **COMPACTS OF FREE ASSOCIATION.**

4 (a) FINDINGS.—The Senate makes the following  
5 findings:

6 (1) The Federated States of Micronesia, the  
7 Republic of the Marshall Islands, and the Republic  
8 of Palau are sovereign countries in free association  
9 with the United States under the Compacts of Free  
10 Association (in this section referred to as the “Com-  
11 pacts”), which provide for the exclusive right of the  
12 United States Armed Forces to operate in the areas  
13 covered by the Compacts.

14 (2) Such exclusive right allows the United  
15 States to curtail the potential expansion of foreign  
16 militaries into areas covered by the Compacts.

17 (3) Under the Compacts, eligible citizens of the  
18 Federated States of Micronesia, the Republic of the  
19 Marshall Islands, and the Republic of Palau may—

20 (A) reside, work, and study in the United  
21 States without a visa; and

22 (B) serve in the United States Armed  
23 Forces.

24 (4) An estimated  $\frac{1}{4}$  of the populations of the  
25 Federated States of Micronesia, the Republic of the

1 Marshall Islands, and the Republic of Palau has re-  
2 located to the United States.

3 (5) Under the Compacts, the Federal Govern-  
4 ment is required to provide assistance to any af-  
5 fected jurisdiction in the United States to defray  
6 costs incurred by the affected jurisdiction for health,  
7 educational, social, or public safety services, or for  
8 infrastructure relating to such services, due to the  
9 residence in the affected jurisdiction of citizens of  
10 the Federated States of Micronesia, the Republic of  
11 the Marshall Islands, and the Republic of Palau.

12 (b) SENSE OF SENATE.—It is the sense of the Senate  
13 that maintaining the commitments of the United States  
14 under the Compacts is of vital strategic importance to the  
15 national security interests of the United States.

16 **SEC. 1249. SENSE OF SENATE ON UNITED STATES MILITARY**  
17 **FORCES ON THE KOREAN PENINSULA.**

18 (a) FINDINGS.—The Senate makes the following  
19 findings:

20 (1) On June 25, 1950, the Democratic People's  
21 Republic of Korea (DPRK), under the rule of Kim  
22 Il-sung, the grandfather of Kim Jong-un, launched  
23 a surprise attack against forces from the Republic of  
24 Korea (South Korea) and small contingent of United  
25 States forces, thus beginning the Korean War.



1           (2) In June and July of 1950, the United Na-  
2           tions Security Council adopted Resolutions 82, 83,  
3           and 84 calling for the Democratic People’s Republic  
4           of Korea to cease hostilities and withdraw, to rec-  
5           ommend that United Nations member nations pro-  
6           vide forces to repel the Democratic People’s Repub-  
7           lic of Korea attack, and stating any forces provided  
8           should be unified under the command of the United  
9           States, respectively.

10           (3) Fighting as part of a 1,000,000-strong, 22-  
11           nation United Nations force, 36,574 members of the  
12           United States Armed Forces and 137,899 members  
13           of the South Korean military lost their lives during  
14           the three years of armed hostilities and brutal con-  
15           flict in the Korean War.

16           (4) On July 27, 1953, the Democratic People’s  
17           Republic of Korea, Chinese People’s Volunteers, and  
18           the United Nations signed an armistice agreement  
19           ceasing all hostilities in Korea and establishing the  
20           Demilitarized Zone (DMZ).

21           (5) Since 1953, lawfully-deployed United States  
22           and United Nations forces have remained alongside  
23           their South Korean counterparts, continuing to pro-  
24           tect and defend South Korea and deter aggression  
25           from the Democratic People’s Republic of Korea.

1           (6) As a lasting testament the blood and treas-  
2           ure lost during the Korean War and the strong and  
3           unwavering alliance built from the ashes of the con-  
4           flict, the Korean War Memorial in Washington, Dis-  
5           trict of Columbia, and the War Memorial of Korea  
6           in Seoul, South Korea, prominently display the fol-  
7           lowing inscription: “Our Nation honors her Sons  
8           and Daughters who answered the call to defend a  
9           Country they never knew and a people they never  
10          met.”.

11          (7) The United States maintains a robust, well-  
12          trained, and ready force of approximately 28,500  
13          members of the Armed Forces in South Korea, and  
14          the presence of the members of the Armed Forces  
15          in South Korea demonstrates the continued resolve  
16          and support of the United States for the enduring  
17          United States-South Korean Alliance.

18          (8) On December 22, 2017, Kim Jong-un stat-  
19          ed, “The rapid development of [North Korea’s] nu-  
20          clear force is now exerting big influence on the world  
21          political structure and strategic environment.”.

22          (9) On January 1, 2018, Kim Jong-un stated  
23          “The entire United States is within range of our nu-  
24          clear weapons, and a nuclear button is always on my  
25          desk. This is reality, not a threat. This year we

1 should focus on mass producing nuclear warheads  
2 and ballistic missiles for operational deployment.”.

3 (10) Despite 11 standalone United Nations Se-  
4 curity Council resolutions against the nuclear and  
5 ballistic missile programs of the Democratic People’s  
6 Republic of Korea, 8 of which passed during the rule  
7 of Kim Jong-un, the Democratic People’s Republic  
8 of Korea has continued to illegally and unlawfully  
9 pursue a long-range, nuclear capability meant to  
10 hold hostage the United States and threaten the se-  
11 curity of the neighbors of the Democratic People’s  
12 Republic of Korea.

13 (11) The 2017 National Security Strategy  
14 (NSS) states—

15 (A) “Our alliance and friendship with  
16 South Korea, forged by the trials of history, is  
17 stronger than ever.”;

18 (B) “Allies and partners magnify our  
19 power . . . [and] together with our allies, part-  
20 ners, and aspiring partners, the United States  
21 will pursue cooperation with reciprocity.”; and

22 (C) with respect to priority actions in the  
23 Indo-Pacific region, “We will redouble our com-  
24 mitment to established alliances and partner-  
25 ships, while expanding and deepening relation-

1           ships with new partners that share respect for  
2           sovereignty . . . and the rule of law.”.

3           (12) Secretary of Defense James Mattis stated,  
4           “Winston Churchill noted that the only thing harder  
5           than fighting with allies is fighting without them.  
6           History proves that we are stronger when we stand  
7           united with others. Accordingly, our military will be  
8           designed, trained, and ready to fight alongside al-  
9           lies.”.

10          (13) The 2018 National Defense Strategy  
11          (NDS) states, “Mutually beneficial alliances and  
12          partnerships are crucial to our strategy, providing a  
13          durable, asymmetric strategic advantage that no  
14          competitor or rival can match . . . [and the United  
15          States] will strengthen and evolve our alliances and  
16          partnerships into an extended network capable of de-  
17          terrering or decisively acting to meet the shared chal-  
18          lenges of our time.”.

19          (14) The unclassified summary of 2018 NDS,  
20          an 11-page document, mentions the term “allies” or  
21          “alliances” over 50 times.

22          (15) The 2018 NDS states, “China is a stra-  
23          tegic competitor using predatory economics to in-  
24          timidate its neighbors . . . [and] it is increasingly  
25          clear that China. . .want[s] to shape a world con-

1       sistent with their authoritarian model—gaining veto  
2       authority over other nations’ economic, diplomatic,  
3       and security decisions.”.

4               (16) Foreign policy experts have long contended  
5       that the first priority of the People’s Republic of  
6       China on the Korean Peninsula is to ensure that the  
7       Democratic People’s Republic of Korea remains a  
8       buffer between China and the democratic South  
9       Korea and the United States forces deployed on the  
10      Korean Peninsula.

11              (17) China continues to provide the Democratic  
12      People’s Republic of Korea with most of its food and  
13      energy supplies and, until recently, accounted for ap-  
14      proximately 90 percent of the total trade volume of  
15      the Democratic People’s Republic of Korea.

16              (18) On June 30, 2017, President Donald  
17      Trump stated, “Our goal is peace, stability and  
18      prosperity for the region. But the United States will  
19      defend itself, always will defend itself, always, and  
20      we will always defend our allies. As part of that  
21      commitment, we are working together to ensure fair  
22      burden sharing and support of the United States  
23      military presence in Republic of Korea.”.

24              (19) South Korea already pays for approxi-  
25      mately 50 percent of the total nonpersonal costs of

1 the 28,500 United States members of the Armed  
2 Forces on the Korean Peninsula, amounting to  
3 \$887,500,000 in 2018.

4 (20) President Moon Jae-in has committed to  
5 increasing the defense spending of South Korea dur-  
6 ing his term from the current level 2.4 percent of  
7 the gross domestic product to 2.9 percent of the  
8 gross domestic product.

9 (21) News reports published in early May 2018  
10 have stated that President Trump asked the Sec-  
11 retary of Defense to provide him with options for re-  
12 moving United States troops from the Korean Pe-  
13 ninsula.

14 (22) National Security Advisor John Bolton re-  
15 sponded, “The President has not asked the Pen-  
16 tagon to provide options for reducing American  
17 forces stationed in South Korea.”.

18 (23) A spokesman for the Secretary stated,  
19 “The president has not asked the Pentagon to pro-  
20 vide options for reducing American forces stationed  
21 in South Korea. The Department of Defense’s mis-  
22 sion in South Korea remains the same, and our  
23 force posture has not changed. The Department of  
24 Defense remains committed to supporting the max-  
25 imum pressure campaign, developing and maintain-

1 ing military options for the President, and rein-  
2 forcing our ironclad security commitment with our  
3 allies. We all remain committed to complete,  
4 verifiable, and irreversible denuclearization of the  
5 Korean Peninsula.”.

6 (b) SENSE OF SENATE.—It is the sense of the Senate  
7 that—

8 (1) South Korea is a close friend and ally of the  
9 United States, and the United States-South Korea  
10 alliance is the linchpin of peace and security in the  
11 Indo-Pacific region;

12 (2) the presence of United States military  
13 forces on the Korean Peninsula and across the Indo-  
14 Pacific region continues to play a critical role in  
15 safeguarding the peaceful and stable rules-based  
16 international order that benefits all countries;

17 (3) South Korea has contributed heavily to its  
18 own defense and to the defense of the United States  
19 Armed Forces in South Korea, including by pro-  
20 viding \$10,000,000,000 of the \$10,800,000,0000  
21 Camp Humphreys project, which is 93 percent of  
22 the funding, to build and relocate United States  
23 military forces to a new base in South Korea;

1           (4) United States military forces, pursuant to  
2 international law, are lawfully deployed on the Ko-  
3 rean Peninsula;

4           (5) the nuclear and ballistic missile programs of  
5 the Democratic People’s Republic of Korea are clear  
6 and consistent violations of international law;

7           (6) the long-stated strategic objective of author-  
8 itarian states such as the People’s Republic of  
9 China, the Russian Federation, and the Democratic  
10 People’s Republic of Korea has been the significant  
11 removal of United States military forces from the  
12 Korean Peninsula;

13           (7) the maximum pressure campaign of the  
14 Trump Administration, including an increase in eco-  
15 nomic sanctions and diplomatic measures with  
16 United States allies and regional partners, has  
17 worked to bring Kim Jong-un to the negotiation  
18 table; and

19           (8) the significant removal of United States  
20 military forces from the Korean Peninsula is a non-  
21 negotiable item as it relates to the complete,  
22 verifiable, and irreversible denuclearization of the  
23 Democratic People’s Republic of Korea.



## **Subtitle F—Reports**

1                                   **Subtitle F—Reports**  
2 **SEC. 1251. REPORT ON MILITARY AND COERCIVE ACTIVI-**  
3                                   **TIES OF THE PEOPLE’S REPUBLIC OF CHINA**  
4                                   **IN SOUTH CHINA SEA.**

5           (a) IN GENERAL.—Except as provided in subsection  
6 (d), immediately after the commencement of any signifi-  
7 cant reclamation or militarization activity by the People’s  
8 Republic of China in the South China Sea, including any  
9 significant military deployment or operation or infrastruc-  
10 ture construction, the Secretary of Defense, in coordina-  
11 tion with the Secretary of State, shall submit to the con-  
12 gressional defense committees, and release to the public,  
13 a report on the military and coercive activities of China  
14 in the South China Sea in connection with such activity.

15           (b) ELEMENTS OF REPORT TO PUBLIC.—Each re-  
16 port on a significant reclamation or militarization activity  
17 under subsection (a) shall include a short narrative on,  
18 and one or more corresponding images of, such significant  
19 reclamation or militarization activity.

20           (c) FORM.—

21               (1) SUBMITTAL TO CONGRESS.—Any report  
22 under subsection (a) that is submitted to the con-  
23 gressional defense committees shall be submitted in  
24 unclassified form, but may include a classified  
25 annex.

1           (2) RELEASE TO PUBLIC.—If a report under  
2 subsection (a) is released to the public, such report  
3 shall be so released in unclassified form.

4           (d) WAIVER.—

5           (1) RELEASE OF REPORT TO PUBLIC.—The  
6 Secretary of Defense may waive the requirement in  
7 subsection (a) for the release to the public of a re-  
8 port on a significant reclamation or militarization  
9 activity if the Secretary determines that the release  
10 to the public of a report on such activity under that  
11 subsection in the form required by subsection (c)(2)  
12 would have an adverse effect on the national security  
13 interests of the United States.

14           (2) NOTICE TO CONGRESS.—If the Secretary  
15 issues a waiver under paragraph (1) with respect to  
16 a report on an activity, not later than 48 hours after  
17 the Secretary issues such waiver, the Secretary shall  
18 submit to the congressional defense committees writ-  
19 ten notice of, and justification for, such waiver.

20 **SEC. 1252. REPORT ON TERRORIST USE OF HUMAN**  
21 **SHIELDS.**

22           (a) IN GENERAL.—The Secretary of Defense, in con-  
23 sultation with the Secretary of State, shall provide a re-  
24 port on the use of human shields by terrorist groups to  
25 protect otherwise lawful targets from attack.

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

3 (1) A description of the lessons learned from  
4 the United States and its allies and partners in ad-  
5 dressing the use of human shields by terrorist orga-  
6 nizations such as Hamas, Hezbollah, the Islamic  
7 State of Iraq and Syria, Al Qaeda, and any other or-  
8 ganization as determined by the Secretary of De-  
9 fense.

10 (2) A description of a specific plan and actions  
11 being taken by the Department of Defense to incor-  
12 porate the lessons learned as identified in paragraph  
13 (1) into Department of Defense operating guidance,  
14 relevant capabilities, and tactics, techniques, and  
15 procedures to deter, counter, and address the chal-  
16 lenge posed by the use of human shields and hold  
17 accountable terrorist organizations for the use of  
18 human shields.

19 (c) SUBMITTAL OF THE REPORT.—Not later than  
20 180 days after the date of the enactment of this Act, the  
21 Secretary of Defense shall submit to the appropriate com-  
22 mittees of Congress the report required in subsection (a).

23 (d) FORM.—The report shall be submitted in unclas-  
24 sified form, but may include a classified annex.

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

4 (1) the Committee on Armed Services, the  
5 Committee on Foreign Relations, and the Committee  
6 on the Judiciary of the Senate; and

7 (2) the Committee on Armed Services, the  
8 Committee on Foreign Affairs, and the Committee  
9 on the Judiciary of the House of Representatives.

10 **SEC. 1253. REPORT ON ARCTIC STRATEGIES.**

11 (a) IN GENERAL.—Not later than 180 days after the  
12 date of the enactment of this Act, the Secretary of the  
13 Army, the Secretary of the Navy, and the Secretary of  
14 the Air Force shall submit to the congressional defense  
15 committees a report on the strategy of the Army, the Navy  
16 and the Marine Corps, and the Air Force, respectively, for  
17 the Arctic region.

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

20 (1) A description of the specific means by which  
21 each Armed Force, including regular components,  
22 the National Guard, and the Reserves, will—

23 (A) enhance the capability of the Armed  
24 Forces to defend the homeland and exercise  
25 sovereignty;

1 (B) strengthen deterrence at home and  
2 abroad;

3 (C) strengthen alliances and partnerships;

4 (D) preserve freedom of the seas in the  
5 Arctic;

6 (E) engage public, private, and inter-  
7 national partners to improve domain awareness  
8 in the Arctic;

9 (F) develop Department of Defense Arctic  
10 infrastructure and capabilities consistent with  
11 changing conditions and needs;

12 (G) provide support to civil authorities, as  
13 directed;

14 (H) partner with other departments, agen-  
15 cies, and countries to support human and envi-  
16 ronmental security; and

17 (I) support international institutions that  
18 promote regional cooperation and the rule of  
19 law.

20 (2) An analysis of the role of each Armed Force  
21 in the operational and contingency plans for the pro-  
22 tection of United States national security interests  
23 in the Arctic region, including strategic national as-  
24 sets, United States citizens, territory, freedom of  
25 navigation, and economic and trade interests in the

1 Arctic region, weighed against the missions de-  
2 scribed in the Arctic strategy.

3 (3) A detailed description of near-term and  
4 long-term training, capability, and resource gaps  
5 that must be addressed to fully execute each mission  
6 described in the Arctic strategy against an increas-  
7 ing threat environment.

8 (4) A description of the Armed Force-specific  
9 infrastructure that may be needed to continue to ac-  
10 complish each mission described in the Arctic strat-  
11 egy against an increasing threat environment, in-  
12 cluding a cost estimate and potential construction  
13 timeline for such infrastructure.

14 (5) A description, by Armed Force, of the cur-  
15 rent and projected Arctic capabilities of the Russian  
16 Federation and the People's Republic of China, and  
17 an analysis of current and future United States ca-  
18 pabilities that are required to comply with—

19 (A) each mission described in the Arctic  
20 strategy; and

21 (B) the strategic objectives in the National  
22 Defense Strategy.

23 (6) With respect to each Armed Force—

24 (A) an assessment of the level of coopera-  
25 tion between each Armed Force and other de-

1           partments and agencies of the United States  
2           Government (including the Department of  
3           Homeland Security and the National Security  
4           Agency), State and local governments, and  
5           Tribal entities; and

6                   (B) a plan for increased cooperation be-  
7           tween the Armed Forces and such departments,  
8           agencies, and entities.

9           (c) FORM.—The report required by subsection (a)  
10          shall be submitted in unclassified form, but may include  
11          a classified annex.

12   **SEC. 1254. REPORT ON PERMANENT STATIONING OF A**  
13                   **UNITED STATES ARMY BRIGADE COMBAT**  
14                   **TEAM IN THE REPUBLIC OF POLAND.**

15          (a) IN GENERAL.—Not later than March 1, 2019, the  
16          Secretary of Defense, in coordination with the Secretary  
17          of State, shall submit to the congressional defense commit-  
18          tees a report on the feasibility and advisability of perma-  
19          nently stationing a United States Army brigade combat  
20          team in the Republic of Poland.

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

23                   (1) An assessment whether a permanently sta-  
24          tioned United States Army brigade combat team in

1 Poland would enhance deterrence against Russian  
2 aggression in Eastern Europe.

3 (2) An assessment of the actions the Russian  
4 Federation may take in response to a United States  
5 decision to permanently station such a brigade com-  
6 bat team in Poland.

7 (3) An assessment of the international political  
8 considerations of permanently stationing such a bri-  
9 gade combat team in Poland, including within the  
10 North Atlantic Treaty Organization (NATO).

11 (4) An assessment whether such a brigade com-  
12 bat team in Poland would support implementation of  
13 the National Defense Strategy.

14 (5) A description and assessment of the manner  
15 in which such a brigade combat team in Poland may  
16 affect the ability of the Joint Force to execute De-  
17 partment of Defense contingency plans in Europe.

18 (6) A description and assessment of the manner  
19 in which such a brigade combat team in Poland  
20 would affect the ability of the Joint Force to re-  
21 spond to a crisis inside the territory of a North At-  
22 lantic Treaty Organization ally that occurs prior to  
23 the invocation of Article 5 of the Washington Treaty  
24 by the North Atlantic Council.

25 (7) An identification and assessment of—



1 (A) potential locations in Poland for sta-  
2 tioning such a brigade combat team;

3 (B) the logistics requirements, including  
4 force enablers, equipment, supplies, storage,  
5 and maintenance, that would be required to  
6 support such a brigade combat team in Poland;

7 (C) infrastructure investments by the  
8 United States and Poland, including new con-  
9 struction or upgrades of existing sites, that  
10 would be required to support such a brigade  
11 combat team in Poland;

12 (D) any new agreements, or changes to ex-  
13 isting agreements, between the United States  
14 and Poland that would be required for such a  
15 brigade combat team in Poland;

16 (E) any changes to the posture or capabili-  
17 ties of the Joint Force in Europe that would be  
18 required to support such a brigade combat team  
19 in Poland; and

20 (F) the timeline required to achieve the  
21 permanent stationing of such a brigade combat  
22 team in Poland.

23 (8) An assessment of the willingness and ability  
24 of the Government of Poland to provide host nation  
25 support for such a brigade combat team.

1           (9) An assessment of whether future growth in  
2           United States Army end strength may be used to  
3           source additional forces for such a brigade combat  
4           team in Poland.

5           (c) FORM.—The report required by subsection (a)  
6           shall be submitted in unclassified form, but may include  
7           a classified annex.

8   **SEC. 1255. REPORTS ON NUCLEAR CAPABILITIES OF THE**  
9                           **DEMOCRATIC PEOPLE'S REPUBLIC OF**  
10                          **KOREA.**

11          (a) BASELINE REPORT.—Not later than 60 days  
12          after the date of the enactment of this Act, the Secretary  
13          of Defense, in coordination with the Director of National  
14          Intelligence, shall submit to the appropriate committees  
15          of Congress a report on the status of the nuclear program  
16          of the Democratic People's Republic of Korea to establish  
17          a baseline of progress for negotiations with the Demo-  
18          cratic People's Republic of Korea with respect to  
19          denuclearization.

20          (b) ELEMENTS.—The report required by subsection  
21          (a) shall include the following, to the extent known or sus-  
22          pected:

23                  (1) A description of the location, quantity, ca-  
24                  pability, and operational status of the nuclear weap-  
25                  ons of the Democratic People's Republic of Korea.

1           (2) A description of the location of nuclear re-  
2           search, development, production, and testing facili-  
3           ties of the Democratic People’s Republic of Korea,  
4           including covert facilities.

5           (3) A description of the location, quantity, ca-  
6           pability, and operational status of the ballistic mis-  
7           siles of the Democratic People’s Republic of Korea.

8           (4) A description of the location of the ballistic  
9           missile manufacturing and assembly facilities of the  
10          Democratic People’s Republic of Korea.

11          (5) An assessment of any intelligence gaps with  
12          respect to the information required by this sub-  
13          section and verification or inspection measures that  
14          may fill such gaps.

15          (c) UPDATES.—

16          (1) IN GENERAL.—In the case of an agreement  
17          between the United States and the Democratic Peo-  
18          ple’s Republic of Korea, not later than 60 days after  
19          the date on which the agreement is reached, and  
20          every 90 days thereafter, the report required by sub-  
21          section (a) shall be augmented by a written update.

22          (2) ELEMENTS.—Each written update under  
23          paragraph (1) shall include the following for the pre-  
24          ceding 90-day period:

1 (A) A description of the number of nuclear  
2 weapons and ballistic missiles verifiably disman-  
3 tled, destroyed, rendered permanently unusable,  
4 or transferred out of the Democratic People's  
5 Republic of Korea.

6 (B) An identification of the location of nu-  
7 clear research, development, production, and  
8 testing facilities in the Democratic People's Re-  
9 public of Korea identified and verifiably dis-  
10 mantled, destroyed, or rendered permanently  
11 unusable.

12 (C) An identification of the location of bal-  
13 listic missile manufacturing and assembly facili-  
14 ties in the Democratic People's Republic of  
15 Korea verifiably dismantled, destroyed, or ren-  
16 dered permanently unusable.

17 (D) A description of the number of nuclear  
18 weapons and ballistic missiles that remain in or  
19 under the control of the Democratic People's  
20 Republic of Korea.

21 (E) An assessment of the progress made in  
22 extending the breakout period required for the  
23 Democratic People's Republic of Korea to re-  
24 constitute its nuclear weapons program and  
25 build a nuclear weapon, as such progress relates

1 to the information required by subparagraphs  
2 (A) through (D).

3 (d) VERIFICATION ASSESSMENT REPORT.—Not later  
4 than 180 days after the date on which the report required  
5 by subsection (a) is submitted, and every 180 days there-  
6 after, the written update required under paragraph (1) of  
7 subsection (c) shall include, in addition to the information  
8 required by subparagraphs (A) through (E) of that sub-  
9 section, the following for the preceding 180-day period:

10 (1) An assessment of the establishment of safe-  
11 guards, other control mechanisms, and other assur-  
12 ances secured from the Democratic People's Repub-  
13 lic of Korea to ensure the activities of the Demo-  
14 cratic People's Republic of Korea permitted under  
15 any agreement will not be used to further any nu-  
16 clear-related military or nuclear explosive purpose,  
17 including research on or development of a nuclear  
18 explosive device.

19 (2) An assessment of the capacity of the United  
20 States or an international organization, including  
21 the International Atomic Energy Agency, to effec-  
22 tively access and investigate suspicious sites in the  
23 Democratic People's Republic of Korea or allega-  
24 tions of covert nuclear-related activities, including  
25 storage sites for nuclear weapons.

1 (e) SUNSET.—The section shall cease to be effective  
2 on the date that is three years after the date of the enact-  
3 ment of this Act.

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

7 (1) the Committee on Armed Services, the Se-  
8 lect Committee on Intelligence, the Committee on  
9 Foreign Relations, and the Committee on Appropria-  
10 tions of the Senate; and

11 (2) the Committee on Armed Services, the Per-  
12 manent Select Committee on Intelligence, the Com-  
13 mittee on Foreign Affairs, and the Committee on  
14 Appropriations of the House of Representatives.

15 **SEC. 1256. REPORT ON UNITED STATES MILITARY TRAIN-**  
16 **ING OPPORTUNITIES WITH ALLIES AND**  
17 **PARTNERS IN THE INDO-PACIFIC REGION.**

18 (a) SENSE OF SENATE.—It is the sense of the Senate  
19 that—

20 (1) the Secretary of Defense, as part of stra-  
21 tegic initiatives, should continue to place emphasis  
22 on and consider the benefits of United States mili-  
23 tary training exercises with allies in the Indo-Pacific  
24 region;

25 (2) the Indo-Pacific region is—

1 (A) a strategically important region; and

2 (B) critical to the interests of the United  
3 States;

4 (3) the relationship between the United States  
5 and allies and partners in the Indo-Pacific region is  
6 essential for ensuring peace and security in the re-  
7 gion;

8 (4) interoperability between the United States  
9 and allies in the Indo-Pacific region increases readi-  
10 ness and regional contingency response time;

11 (5) the United States should focus on expand-  
12 ing training with other allied nations and partners  
13 in the Indo-Pacific region;

14 (6) the United States, working within our  
15 framework of alliances and partnerships, should seek  
16 to build the capacity and capability of our allies and  
17 partners in the Indo-Pacific region and to expand  
18 interoperability with them; and

19 (7) the United States and its partners in the  
20 Indo-Pacific region should continue to work together  
21 to build the forces, infrastructure, relationships, and  
22 training needed to respond to search and rescue and  
23 humanitarian assistance needed in the whole of cata-  
24 strophic natural disasters.

25 (b) REPORT.—

1           (1) IN GENERAL.—Not later than 180 days  
2 after the date of the enactment of this Act, the Sec-  
3 retary of Defense shall submit to the congressional  
4 defense committees a report on future United States  
5 military training opportunities with allied and part-  
6 ner countries in the Indo-Pacific region.

7           (2) ELEMENTS.—The report required by para-  
8 graph (1) shall include the following:

9           (A) A detailed description of—

10           (i) current United States military ex-  
11 ercises involving United States partners  
12 and allies in the Indo-Pacific region;

13           (ii) the manner in which such exer-  
14 cises are intended to improve the capability  
15 and capacity of such partners and allies;  
16 and

17           (iii) the interoperability of such part-  
18 ners and allies with the United States  
19 Armed Forces.

20           (B) An analysis of the potential to expand  
21 the size, scope, or makeup of such exercises to  
22 include—

23           (i) additional forces and units of cur-  
24 rent participants;



1 (ii) additional capabilities or training;

2 and

3 (iii) other allies and partners in the  
4 Indo-Pacific region and other regions.

5 (C) An identification of new United States  
6 military exercises that may be initiated in the  
7 Indo-Pacific region with—

8 (i) security treaty allies such as  
9 Japan, South Korea, Australia, the Phil-  
10 ippines, and Thailand;

11 (ii) growing partners such as India,  
12 Indonesia, Malaysia, Mongolia, New Zea-  
13 land, Singapore, Sri Lanka, and Vietnam;

14 (iii) existing multilateral frameworks,  
15 such as the Association of Southeast Asian  
16 Nations (ASEAN);

17 (iv) allies and partners outside the  
18 Indo-Pacific region; and

19 (v) potential new allies or partners.

20 (3) FORM.—The report required by paragraph  
21 (1) shall be submitted in unclassified form, but may  
22 include a classified annex.

## 1                   **Subtitle G—Other Matters**

### 2   **SEC. 1261. MODIFICATION OF AUTHORITIES RELATING TO** 3                   **ACQUISITION AND CROSS-SERVICING AGREE-** 4                   **MENTS.**

5           (a) **PROHIBITIONS.**—Section 2342 of title 10, United  
6 States Code, is amended—

7               (1) by redesignating subsection (d) as sub-  
8               section (f); and

9               (2) by inserting after subsection (c) the fol-  
10              lowing new subsections (d) and (e):

11             “(d) The Secretary of may not use an agreement with  
12 any government of an organization described in subsection  
13 (a)(1) to facilitate the transfer of logistic support, sup-  
14 plies, and services to any country or organization with  
15 which the Secretary has not signed an agreement de-  
16 scribed in subsection (a)(2).

17             “(e) An agreement described in subsection (a)(2) may  
18 not provide or otherwise constitute a commitment for the  
19 introduction of the armed forces into hostilities.”.

20           (b) **ANNUAL REPORTS.**—Such section is further  
21 amended by adding at the end the following new sub-  
22 section:

23             “(g) Not later than January 15 each year, the Sec-  
24 retary shall submit to the appropriate committees of Con-

1 gress a report on acquisition and cross-servicing activities  
2 that sets forth, in detail, the following:

3 “(1) A list of agreements in effect pursuant to  
4 subsection (a)(1) during the preceding fiscal year.

5 “(2) The date on which each agreement listed  
6 under paragraph (1) was signed, and, in the case of  
7 an agreement with a country that is not a member  
8 of the North Atlantic Treaty Organization, the date  
9 on which the Secretary notified Congress pursuant  
10 to subsection (b)(2) of the designation of such coun-  
11 try under subsection (a).

12 “(3) The total dollar amount and major cat-  
13 egories of logistic support, supplies, and services  
14 provided during the preceding fiscal year under each  
15 such agreement.

16 “(4) The total dollar amount and major cat-  
17 egories of reciprocal provisions of logistic support,  
18 supplies, and services received under each such  
19 agreement.

20 “(5) With respect to the calendar year during  
21 which the report is submitted, an assessment of the  
22 following:

23 “(A) The anticipated logistic support, sup-  
24 plies, and services requirements of the United  
25 States.

1           “(B) The anticipated requirements of other  
2           countries for United States logistic support,  
3           supplies, and services.”.

4           (c) DEFINITIONS.—Such section is further amend-  
5 ed—

6           (1) in subsection (b)(2), by striking “the Com-  
7           mittee on Armed Services” the first place it appears  
8           and all that follows through “the House of Rep-  
9           resentatives” and inserting “the appropriate commit-  
10          tees of Congress”; and

11          (2) by adding at the end the following new sub-  
12          section:

13          “(h) In this section, the term ‘appropriate committees  
14 of Congress’ means—

15                 “(1) the Committee on Armed Services and the  
16                 Committee on Foreign Relations of the Senate; and

17                 “(2) the Committee on Armed Services and the  
18                 Committee on Foreign Affairs of the House of Rep-  
19                 resentatives.”.

20 **SEC. 1262. EXTENSION OF AUTHORITY FOR TRANSFER OF**  
21 **AMOUNTS FOR GLOBAL ENGAGEMENT CEN-**  
22 **TER.**

23          Section 1287(e)(1) of the National Defense Author-  
24 ization Act for Fiscal Year 2017 (Public Law 114–328;  
25 130 Stat. 2546; 22 U.S.C. 2656 note) is amended—

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

3           (2) in subparagraph (B), by striking the period  
4 at the end and inserting “; and”; and

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

7                   “(C) for fiscal year 2019 are less than  
8 \$80,000,000, the Secretary of Defense is au-  
9 thorized to transfer, from amounts authorized  
10 to be appropriated by an Act authorizing funds  
11 for the Department of Defense for fiscal year  
12 2019, to the Secretary of State an amount, not  
13 to exceed \$60,000,000, to be available to carry  
14 out the functions of the Center for fiscal year  
15 2019.”.

16 **SEC. 1263. SENSE OF SENATE ON PURCHASE BY TURKEY OF**  
17 **S-400 AIR DEFENSE SYSTEM.**

18           It is the sense of the Senate that if the Republic of  
19 Turkey purchases the S-400 air defense system from the  
20 Russian Federation—

21           (1) such purchase would constitute a significant  
22 transaction within the meaning of section 231(a) of  
23 the Countering Russian Influence in Europe and  
24 Eurasia Act of 2017 (title II of Public Law 115-44;  
25 22 U.S.C. 9525(a)); and

1           (2) the President should faithfully execute that  
2 Act by imposing and applying sanctions under sec-  
3 tion 235 of that Act (22 U.S.C. 9529) with respect  
4 to any individual or entity determined to have en-  
5 gaged in such significant transaction as if such per-  
6 son were a sanctioned person for purposes of such  
7 section 235.

8 **SEC. 1264. DEPARTMENT OF DEFENSE SUPPORT FOR STA-**  
9                           **BILIZATION ACTIVITIES IN NATIONAL SECU-**  
10                           **RITY INTEREST OF THE UNITED STATES.**

11           (a) IN GENERAL.—The Secretary of Defense may,  
12 with the concurrence of the Secretary of State and in con-  
13 sultation with the Administrator of the United States  
14 Agency for International Development and the Director of  
15 the Office of Management and Budget, provide support  
16 for the stabilization activities of other Federal agencies  
17 specified under subsection (c).

18           (b) DESIGNATION OF FOREIGN AREAS.—

19           (1) IN GENERAL.—Amounts authorized to be  
20 provided pursuant to this section shall be available  
21 only for support for stabilization activities—

22                           (A) in a country specified in paragraph  
23                           (2); and

24                           (B) that the Secretary of Defense, with the  
25 concurrence of the Secretary of State, has de-

1           terminated are in the national security interest of  
2           the United States.

3           (2) SPECIFIED COUNTRIES.—The countries  
4           specified in this paragraph are as follows:

5                   (A) Iraq.

6                   (B) Syria.

7                   (C) Afghanistan.

8                   (D) Somalia.

9           (c) SUPPORT TO OTHER AGENCIES.—

10           (1) IN GENERAL.—Support may be provided for  
11           stabilization activities under subsection (a) to the  
12           Department of State, the United States Agency for  
13           International Development, or other Federal agen-  
14           cies, on a reimbursable or nonreimbursable basis.

15           (2) TYPE OF SUPPORT.—Support under sub-  
16           section (a) may consist of—

17                   (A) logistic support, supplies, and services;

18                   and

19                   (B) equipment.

20           (d) REQUIREMENT FOR A STABILIZATION STRAT-  
21           EGY.—

22           (1) LIMITATION.—With respect to any country  
23           specified in subsection (b)(2), no amount of support  
24           may be provided under subsection (a) until 15 days  
25           after the date on which the Secretary of Defense,

1 with the concurrence of the Secretary of State, sub-  
2 mits to the appropriate committees of Congress a  
3 detailed report setting forth a stabilization strategy  
4 for such country.

5 (2) ELEMENTS OF DETERMINATION.—The sta-  
6 bilization strategy required by paragraph (1) shall  
7 set forth the following:

8 (A) The United States interests in con-  
9 ducting stabilization activities in the country  
10 specified in subsection (b)(2).

11 (B) The key foreign partners and actors in  
12 such country.

13 (C) The desired end states and objectives  
14 of the United States stabilization activities in  
15 such country.

16 (D) The Department of Defense support  
17 intended to be provided for the stabilization ac-  
18 tivities of other Federal agencies under section  
19 (a).

20 (E) Any mechanism for civil-military co-  
21 ordination regarding support for stabilization  
22 activities.

23 (F) The mechanisms for monitoring and  
24 evaluating the effectiveness of Department of



1           Defense support for United States stabilization  
2           activities in the area.

3           (e) REQUIREMENT FOR GUIDANCE.—No amount of  
4 support may be provided under subsection (a) until 30  
5 days after the date on which the Secretary of Defense sub-  
6 mits to the appropriate committees of Congress written  
7 guidance for the design, implementation, monitoring, and  
8 evaluation of support provided under that subsection.

9           (f) REPORT.—The Secretary of Defense, with the  
10 concurrence of the Secretary of State, shall submit to the  
11 appropriate committees of Congress on an annual basis  
12 a report that includes the following:

13           (1) The identification of each foreign area with-  
14 in countries specified in subparagraph (b)(2) for  
15 which support to stabilization has occurred.

16           (2) The total amount spent by the Department  
17 of Defense, broken out by recipient Federal agency  
18 and activity.

19           (3) An assessment of the contribution of each  
20 activity toward greater stability.

21           (4) An articulation of any plans for continued  
22 Department of Defense support to stabilization in  
23 the specified foreign area in order to maintain or im-  
24 prove stability.

1           (5) Other matters as the Secretary considers to  
2           be appropriate.

3           (g) USE OF FUNDS.—

4           (1) SOURCE OF FUNDS.—Amounts for activities  
5           carried out under this section in a fiscal year shall  
6           be derived only from amounts authorized to be ap-  
7           propriated for such fiscal year for the Department  
8           of Defense for Operation and Maintenance, Defense-  
9           wide.

10          (2) LIMITATION.—Not more than \$25,000,000  
11          in each fiscal year is authorized to be used to pro-  
12          vide support under this section.

13          (h) EXPIRATION.—The authority provided under this  
14          section may not be exercised after September 30, 2020.

15          (i) DEFINITIONS.—In this section:

16           (1) APPROPRIATE COMMITTEES OF CON-  
17           GRESS.—The term “appropriate committees of Con-  
18           gress” means—

19                   (A) the Committee on Armed Services and  
20                   the Committee on Foreign Relations of the Sen-  
21                   ate; and

22                   (B) the Committee on Armed Services and  
23                   the Committee on Foreign Affairs of the House  
24                   of Representatives.

1           (2) LOGISTIC SUPPORT, SUPPLIES, AND SERV-  
2           ICES.—The term “logistic support, supplies, and  
3           services” has the meaning given the term in section  
4           2350(1) of title 10 United States Code.

5   **SEC. 1265. ENHANCEMENT OF U.S.-ISRAEL DEFENSE CO-**  
6   **OPERATION.**

7           (a) EXTENSION OF WAR RESERVES STOCKPILE AU-  
8           THORITY.—Section 12001(d) of the Department of De-  
9           fense Appropriations Act, 2005 (Public Law 108–287;  
10          118 Stat. 1011) is amended by striking “after September  
11          30, 2018” and inserting “after September 30, 2023”.

12          (b) JOINT ASSESSMENT OF QUANTITY OF PRECISION  
13          GUIDED MUNITIONS FOR USE BY ISRAEL.—

14               (1) IN GENERAL.—The President, acting  
15               through the Secretary of State and the Secretary of  
16               Defense, is authorized to conduct a joint assessment  
17               with the Government of Israel with respect to the  
18               matters described in paragraph (2).

19               (2) MATTERS DESCRIBED.—The matters de-  
20               scribed in this paragraph are the following:

21                       (A) The quantity and type of precision  
22                       guided munitions that are necessary for Israel  
23                       to combat Hezbollah in the event of a sustained  
24                       armed confrontation between Israel and  
25                       Hezbollah.

1           (B) The quantity and type of precision  
2 guided munitions that are necessary for Israel  
3 in the event of a sustained armed confrontation  
4 with other armed groups and terrorist organiza-  
5 tions such as Hamas.

6           (C) The resources the Government of  
7 Israel plans to dedicate to acquire such preci-  
8 sion guided munitions.

9           (D) United States planning to assist Israel  
10 to prepare for sustained armed confrontations  
11 described in this subsection as well as the abil-  
12 ity of the United States to resupply Israel in  
13 the event of confrontations described in sub-  
14 paragraphs (A) and (B), if any.

15 (3) REPORT.—

16           (A) IN GENERAL.—Not later than 15 days  
17 after the date on which the joint assessment au-  
18 thorized under paragraph (1) is completed, the  
19 President shall submit to the appropriate con-  
20 gressional committees a report that contains  
21 the joint assessment.

22           (B) FORM.—The report required under  
23 subparagraph (A) shall be submitted in classi-  
24 fied form, but may contain an unclassified sum-  
25 mary.

1 (C) APPROPRIATE CONGRESSIONAL COM-  
2 MITTEES DEFINED.—In this paragraph, the  
3 term “appropriate congressional committees”  
4 means—

5 (i) the Committee on Foreign Rela-  
6 tions and the Committee on Armed Serv-  
7 ices of the Senate; and

8 (ii) the Committee on Foreign Affairs  
9 and the Committee on Armed Services of  
10 the House of Representatives.

11 (c) MODIFICATION OF RAPID ACQUISITION AND DE-  
12 PLOYMENT PROCEDURES.—

13 (1) REQUIREMENT TO ESTABLISH PROCE-  
14 DURES.—Section 806(a) of the Bob Stump National  
15 Defense Authorization Act for Fiscal Year 2003 (10  
16 U.S.C. 2302 note; Public Law 107–314) is amend-  
17 ed—

18 (A) in paragraph (1)(C), by striking “;  
19 and”;

20 (B) in paragraph (2), by striking the pe-  
21 riod at the end and inserting “; and”; and

22 (C) by adding at the end the following new  
23 paragraph:

24 “(3) urgently needed to support production of  
25 precision guided munitions—

1           “(A) for the United States to meet require-  
2           ments; or

3           “(B) to assist an ally of the United States  
4           under direct missile threat from—

5                   “(i) an organization the Secretary of  
6                   State has designated as a foreign terrorist  
7                   organization pursuant to section 219 of the  
8                   Immigration and Nationality Act (8 U.S.C.  
9                   1189); or

10                   “(ii) a country the government of  
11                   which the Secretary of State has deter-  
12                   mined, for purposes of section 6(j) of the  
13                   Export Administration Act of 1979 (50  
14                   U.S.C. 4605(j)) (as in effect pursuant to  
15                   the International Emergency Economic  
16                   Powers Act), section 620A of the Foreign  
17                   Assistance Act of 1961 (22 U.S.C. 2371),  
18                   section 40 of the Arms Export Control Act  
19                   (22 U.S.C. 2780), or any other provision  
20                   of law, is a government that has repeatedly  
21                   provided support for acts of international  
22                   terrorism.”.

23           (2) PRESCRIPTION OF PROCEDURES.—Not later  
24           than 180 days after the date of the enactment of  
25           this Act, the Secretary of Defense shall prescribe

1 procedures for the rapid acquisition and deployment  
2 of supplies and associated support services for pur-  
3 poses described in paragraph (3) of section 806(a)  
4 of the Bob Stump National Defense Authorization  
5 Act for Fiscal Year 2003, as added by paragraph  
6 (1)(C).

7 **SEC. 1266. CERTIFICATIONS REGARDING ACTIONS BY**  
8 **SAUDI ARABIA IN YEMEN.**

9 (a) RESTRICTION.—

10 (1) IN GENERAL.—Subject to paragraph (2), if  
11 the Secretary of State is unable under subsection (c)  
12 or (d) to certify that the Government of Saudi Ara-  
13 bia is undertaking the effort, measures, and actions  
14 described in paragraphs (1), (2), (3), and (4) of sub-  
15 section (c), no Federal funds may be obligated or ex-  
16 pended after the deadline for the applicable certifi-  
17 cation to provide authorized in-flight refueling pur-  
18 suant to section 2342 of title 10, United States  
19 Code, or other applicable statutory authority, of  
20 Saudi or Saudi-led coalition non-United States air-  
21 craft conducting missions in Yemen, other than mis-  
22 sions related to—

23 (A) al Qaeda, al Qaeda in the Arabian Pe-  
24 ninsula (AQAP), or the Islamic State in Iraq  
25 and Syria (ISIS);

1 (B) countering the transport, assembly, or  
2 employment of ballistic missiles or components  
3 in Yemen;

4 (C) helping coalition aircraft return safely  
5 to base in emergency situations;

6 (D) force protection of United States air-  
7 craft, ships, or personnel; or

8 (E) freedom of navigation for United  
9 States military and international commerce.

10 (2) WAIVER.—The Secretary may waive the re-  
11 striction in paragraph (1) with respect to a par-  
12 ticular certification if the Secretary—

13 (A) certifies to the appropriate committees  
14 of Congress that the waiver is in the national  
15 security interests of the United States; and

16 (B) submits to the appropriate committees  
17 of Congress a report, in written and unclassi-  
18 fied form, setting forth—

19 (i) the effort in subsection (c)(1),  
20 measures in subsection (c)(2), or actions in  
21 subsections (c)(3) or (c)(4), or combination  
22 thereof, about which the Secretary is un-  
23 able to make the certification;

24 (ii) a detailed explanation why the  
25 Secretary is unable to make the certifi-



1 cation about such effort, measures, or ac-  
2 tions;

3 (iii) a description of the actions the  
4 Secretary is taking to encourage the Gov-  
5 ernment of Saudi Arabia to undertake  
6 such effort, measures, or actions; and

7 (iv) a detailed justification for the  
8 waiver.

9 (b) REPORTING REQUIREMENT.—Not later than 30  
10 days after the date of the enactment of this Act, the Presi-  
11 dent or the President’s designee shall provide a briefing  
12 to the appropriate committees of Congress including, at  
13 a minimum—

14 (1) a description of Saudi Arabia and the  
15 United Arab Emirates’ military and political objec-  
16 tives in Yemen and whether United States assistance  
17 to the Saudi-led coalition has resulted in significant  
18 progress towards meeting those objectives;

19 (2) a description of efforts by the Government  
20 of Saudi Arabia to avoid disproportionate harm to  
21 civilians and civilian objects in Yemen, and an as-  
22 sessment of whether United States assistance to the  
23 Saudi-led coalition has led to a demonstrable de-  
24 crease in civilians killed or injured by Saudi-led air-  
25 strikes and damage to civilian infrastructure;

1           (3) an assessment of the United Nations  
2           Verification and Inspection Mechanism (UNVIM) in  
3           Yemen and an assessment of the need for existing  
4           secondary inspection and clearance processes and  
5           transshipment requirements on humanitarian and  
6           commercial vessels that have been cleared by  
7           UNVIM;

8           (4) a description of the sources of external sup-  
9           port for the Houthi forces, including financial assist-  
10          ance, weapons transfers, operational planning, train-  
11          ing, and advisory assistance;

12          (5) an assessment of the applicability of United  
13          States and international sanctions to Houthi forces  
14          that have committed grave human rights abuses, ob-  
15          structed international aid, and launched ballistic  
16          missiles into Saudi territory, and an assessment of  
17          the applicability of United States and international  
18          sanctions to individuals or entities providing the  
19          Houthi forces with material support; and

20          (6) an assessment of the effect of the Saudi-led  
21          coalition's military operations in Yemen on the ef-  
22          forts of the United States to defeat al Qaeda in the  
23          Arabian Peninsula and the Islamic State of Iraq and  
24          the Levant.

1           (c) INITIAL CERTIFICATION.—Not later than 30 days  
2 after the date of the enactment of this Act, the Secretary  
3 of State shall submit to the appropriate committees of  
4 Congress a certification indicating whether the Govern-  
5 ment of Saudi Arabia is undertaking—

6           (1) an urgent and good faith effort to support  
7 diplomatic efforts to end the civil war in Yemen;

8           (2) appropriate measures to alleviate the hu-  
9 manitarian crisis in Yemen by increasing access for  
10 Yemenis to food, fuel, medicine, and medical evacu-  
11 ation, including through the appropriate use of Yem-  
12 en’s Red Sea ports, including the port of Hudaydah,  
13 the airport in Sana’a, and external border crossings  
14 with Saudi Arabia;

15           (3) appropriate actions to reduce any unneces-  
16 sary delays to shipments associated with secondary  
17 inspection and clearance processes other than the  
18 United Nations Verification and Inspections Mecha-  
19 nism (UNVIM); and

20           (4) demonstrable actions to reduce the risk of  
21 harm to civilians and civilian infrastructure resulting  
22 from its military operations in Yemen, including  
23 by—

1 (A) complying with applicable agreements  
2 and laws regulating defense articles purchased  
3 or transferred from the United States; and

4 (B) taking appropriate steps to avoid dis-  
5 proportionate harm to civilians and civilian in-  
6 frastructure.

7 (d) SUBSEQUENT CERTIFICATIONS.—Not later than  
8 180 and 360 days after the date of the enactment of this  
9 Act, the Secretary of State shall submit to the appropriate  
10 committees of Congress a certification indicating whether  
11 the Government of Saudi Arabia is undertaking the effort,  
12 measures, and actions described in paragraphs (1), (2),  
13 (3), and (4) of subsection (c).

14 (e) RULE OF CONSTRUCTION.—Nothing in this sec-  
15 tion may be construed as authorizing the use of military  
16 force.

17 (f) FORM OF CERTIFICATIONS.—The certifications  
18 required under subsections (c) and (d) shall be written,  
19 detailed, and submitted in unclassified form.

20 (g) STRATEGY REQUIRED.—Not later than 90 days  
21 after the date of the enactment of this Act, the Secretary  
22 of State, in coordination with the Secretary of Defense  
23 and the Administrator of the United States Agency for  
24 International Development, shall submit to the appro-  
25 priate committees of Congress an unclassified report list-

1 ing United States objectives in Yemen and detailing a  
2 strategy to accomplish those objectives. The report shall  
3 be unclassified but may include a classified annex.

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

7 (1) the Committee on Foreign Relations, the  
8 Committee on Armed Services, and the Committee  
9 on Appropriations of the Senate; and

10 (2) the Committee on Foreign Affairs, the  
11 Committee on Armed Services, and the Committee  
12 on Appropriations of the House of Representatives.

13 **SEC. 1267. SENSE OF SENATE ON SUPPORT FOR G5 SAHEL**  
14 **JOINT FORCE COUNTRIES.**

15 It is the sense of the Senate that the United States  
16 should—

17 (1) work with partners and allies to disrupt vio-  
18 lent extremist organizations in the Sahel region that  
19 threaten United States security interests;

20 (2) enhance cooperation with G5 Sahel Joint  
21 Force countries, which are—

22 (A) Burkina Faso;

23 (B) Mali;

24 (C) Mauritania;

25 (D) Niger; and

1 (E) Chad;

2 (3) continue to support the efforts of each G5  
3 Sahel Joint Force country—

4 (A) to improve security along the respec-  
5 tive borders of each country through the co-  
6 operation and deployment of joint patrols to  
7 interdict the cross-border flows of illicit traf-  
8 ficking and violent extremist groups;

9 (B) to address underlying sources of insta-  
10 bility in each country through a whole-of-gov-  
11 ernment approach; and

12 (C) to build and sustain in each country—

13 (i) an effective, accountable govern-  
14 ment;

15 (ii) a capable and professional mili-  
16 tary; and

17 (iii) a healthy economy; and

18 (4) ensure that any assistance of the United  
19 States to a G5 Sahel Joint Force country is under-  
20 taken as a whole-of-government effort that balances  
21 all instruments of United States national power.

22 **SEC. 1268. SENSE OF CONGRESS ON BROADENING AND EX-**  
23 **PANDING STRATEGIC PARTNERSHIPS AND**  
24 **ALLIES.**

25 It is the sense of Congress that—

1           (1) the United States is an ally-rich country  
2           and our potential competitors, such as Russia,  
3           China, and North Korea, are ally-poor countries;

4           (2) United States allies and partners are crit-  
5           ical to defending peace and prosperity throughout  
6           the world;

7           (3) the rules-based international order sup-  
8           ported by the United States and its allies has en-  
9           sured, and will continue to promote, an international  
10          system that benefits all nations;

11          (4) throughout the world, the United States will  
12          continue to foster relationships with countries with  
13          like minds and beliefs;

14          (5) as the United States manages multiple stra-  
15          tegic challenges, the enduring strength of the United  
16          States remains in alliances such as the North Atlan-  
17          tic Treaty Organization, the Rio Treaty, and mutual  
18          defense treaties with Japan, the Republic of Korea,  
19          Australia, the Philippines, and Thailand;

20          (6) the resolve of the United States remains as  
21          strong as ever to forge new alliances and partner-  
22          ships with countries in order to jointly to work with  
23          one another on shared challenges in Europe, the  
24          Indo-Pacific and throughout the world;

1           (7) the United States will continue to invest in  
2           critical capabilities, build a force posture that de-  
3           creases the vulnerabilities of the United States and  
4           increases resiliency, all of which will help reassure  
5           the allies and partners of the United States;

6           (8) the United States will encourage allies and  
7           partners to be full and cooperative partners in their  
8           own defense and the defense of the free and open  
9           international order; and

10          (9) the United States will continue to deepen  
11          and expand alliances, especially in the Indo-Pacific,  
12          and will take no ally for granted.

13 **SEC. 1269. REMOVAL OF TURKEY FROM THE F-35 PRO-**  
14 **GRAM.**

15          (a) FINDINGS.—Congress makes the following find-  
16 ings:

17           (1) The Government of the Republic of Turkey  
18           continues to unlawfully and wrongfully detain An-  
19           drew Brunson, a United States citizen, and con-  
20           tinues to deny Mr. Brunson due process rights con-  
21           sistent with international norms.

22           (2) The Government of the Republic of Turkey  
23           has wrongly charged Andrew Brunson with belong-  
24           ing to a terrorist organization and engaging in ter-  
25           rorist activities.



1           (3) The Government of the Republic of Turkey,  
2           including the senior leadership of the government,  
3           bears direct responsibility for the health and safety  
4           of Andrew Brunson while he remains in the custody  
5           of the Government of the Republic of Turkey.

6           (4) Congress will not tolerate any foreign gov-  
7           ernment's efforts to use United States citizens for  
8           political leverage.

9           (5) President Erdogan, along with other senior  
10          officials of the Government of the Republic of Tur-  
11          key, have publicly and repeatedly stated the inten-  
12          tion of the Government of the Republic of Turkey to  
13          purchase the S-400 system from Russia, an act that  
14          is sanctionable under current United States law.

15          (6) Any effort by the Government of the Repub-  
16          lic of Turkey to further enhance their relationship  
17          with Russia will degrade the general security of the  
18          NATO alliance, and NATO member countries, and  
19          degrade interoperability of the alliance.

20          (b) REPORT.—The Secretary of Defense shall submit  
21          to the appropriate congressional committees a plan to re-  
22          move the Government of the Republic of Turkey from par-  
23          ticipation in the F-35 program, to include industrial and  
24          military aspects of the program. The plan shall include:

1           (1) steps required to unwind industrial partici-  
2           pation of Turkish industry in the manufacturing and  
3           assembly of the F-35 program;

4           (2) costs associated with replacing tooling and  
5           other manufacturing materials held by Turkish in-  
6           dustry;

7           (3) timelines associated with the removal of the  
8           Government of the Republic of Turkey and Turkish  
9           industry from participation in the F-35 program, so  
10          as to cause the least impact on the remaining inter-  
11          national program partners; and

12          (4) steps required to prohibit the transfer of  
13          any F-35 aircraft currently owned and operated, by  
14          the Government of the Republic of Turkey, from the  
15          territory of the United States.

16          (c) LIMITATION ON THE TRANSFER OF THE F-35 TO  
17          TURKEY.—The Department of Defense may not transfer  
18          the title for any F-35 aircraft to the Government of the  
19          Republic of Turkey, until such time as the report identi-  
20          fied in subsection (b) has been submitted.

21          (d) APPROPRIATE CONGRESSIONAL COMMITTEES  
22          DEFINED.—In this section, the term “appropriate con-  
23          gressional committees” means—

24                (1) the congressional defense committees; and

1           (2) the Committee on Foreign Relations of the  
2       Senate and the Committee on Foreign Affairs of the  
3       House of Representatives.

4 **SEC. 1270. INCREASE IN MINIMUM AMOUNT OF OBLIGA-**  
5                   **TIONS FROM THE SPECIAL DEFENSE ACQUI-**  
6                   **SITION FUND FOR PRECISION GUIDED MUNI-**  
7                   **TIONS.**

8       (a) INCREASE.—Section 114(c)(3) of title 10, United  
9       States Code, is amended by striking “20 percent” and in-  
10      serting “25 percent”.

11      (b) EFFECTIVE DATE.—The amendment made by  
12      subsection (a) shall take effect on October 1, 2018, and  
13      shall apply with respect to fiscal years beginning on and  
14      after that date.

15                   **TITLE XIII—COOPERATIVE**  
16                   **THREAT REDUCTION**

17 **SEC. 1301. SPECIFICATION OF COOPERATIVE THREAT RE-**  
18                   **DUCTION FUNDS.**

19      (a) FISCAL YEAR 2019 COOPERATIVE THREAT RE-  
20      DUCTION FUNDS DEFINED.—In this title, the term “fiscal  
21      year 2019 Cooperative Threat Reduction funds” means  
22      the funds appropriated pursuant to the authorization of  
23      appropriations in section 301 and made available by the  
24      funding table in section 4301 for the Department of De-  
25      fense Cooperative Threat Reduction Program established

1 under section 1321 of the Department of Defense Cooper-  
2 ative Threat Reduction Act (50 U.S.C. 3711).

3 (b) AVAILABILITY OF FUNDS.—Funds appropriated  
4 pursuant to the authorization of appropriations in section  
5 301 and made available by the funding table in section  
6 4301 for the Department of Defense Cooperative Threat  
7 Reduction Program shall be available for obligation for fis-  
8 cal years 2019, 2020, and 2021.

9 **SEC. 1302. FUNDING ALLOCATIONS.**

10 Of the \$335,240,000 authorized to be appropriated  
11 to the Department of Defense for fiscal year 2019 in sec-  
12 tion 301 and made available by the funding table in sec-  
13 tion 4301 for the Department of Defense Cooperative  
14 Threat Reduction Program established under section 1321  
15 of the Department of Defense Cooperative Threat Reduc-  
16 tion Act (50 U.S.C. 3711), the following amounts may be  
17 obligated for the purposes specified:

18 (1) For strategic offensive arms elimination,  
19 \$2,823,000.

20 (2) For chemical weapons destruction,  
21 \$5,446,000.

22 (3) For global nuclear security, \$29,001,000.

23 (4) For cooperative biological engagement,  
24 \$197,585,000.

25 (5) For proliferation prevention, \$74,937,000.

1 (6) For activities designated as Other Assess-  
2 ments/Administrative Costs, \$25,448,000.

3 **TITLE XIV—OTHER**  
4 **AUTHORIZATIONS**  
5 **Subtitle A—Military Programs**

6 **SEC. 1401. WORKING CAPITAL FUNDS.**

7 Funds are hereby authorized to be appropriated for  
8 fiscal year 2019 for the use of the Armed Forces and other  
9 activities and agencies of the Department of Defense for  
10 providing capital for working capital and revolving funds,  
11 as specified in the funding table in section 4501.

12 **SEC. 1402. CHEMICAL AGENTS AND MUNITIONS DESTRUC-**  
13 **TION, DEFENSE.**

14 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
15 are hereby authorized to be appropriated for the Depart-  
16 ment of Defense for fiscal year 2019 for expenses, not oth-  
17 erwise provided for, for Chemical Agents and Munitions  
18 Destruction, Defense, as specified in the funding table in  
19 section 4501.

20 (b) USE.—Amounts authorized to be appropriated  
21 under subsection (a) are authorized for—

22 (1) the destruction of lethal chemical agents  
23 and munitions in accordance with section 1412 of  
24 the Department of Defense Authorization Act, 1986  
25 (50 U.S.C. 1521); and

1           (2) the destruction of chemical warfare materiel  
2           of the United States that is not covered by section  
3           1412 of such Act.

4 **SEC. 1403. DRUG INTERDICTION AND COUNTER-DRUG AC-**  
5 **TIVITIES, DEFENSE-WIDE.**

6           Funds are hereby authorized to be appropriated for  
7 the Department of Defense for fiscal year 2019 for ex-  
8 penses, not otherwise provided for, for Drug Interdiction  
9 and Counter-Drug Activities, Defense-wide, as specified in  
10 the funding table in section 4501.

11 **SEC. 1404. DEFENSE INSPECTOR GENERAL.**

12           Funds are hereby authorized to be appropriated for  
13 the Department of Defense for fiscal year 2019 for ex-  
14 penses, not otherwise provided for, for the Office of the  
15 Inspector General of the Department of Defense, as speci-  
16 fied in the funding table in section 4501.

17 **SEC. 1405. DEFENSE HEALTH PROGRAM.**

18           Funds are hereby authorized to be appropriated for  
19 fiscal year 2019 for the Defense Health Program, as spec-  
20 ified in the funding table in section 4501, for use of the  
21 Armed Forces and other activities and agencies of the De-  
22 partment of Defense in providing for the health of eligible  
23 beneficiaries.

1           **Subtitle B—National Defense**  
2                           **Stockpile**

3   **SEC. 1411. CONSOLIDATION OF REPORTING REQUIRE-**  
4                           **MENTS UNDER THE STRATEGIC AND CRIT-**  
5                           **ICAL MATERIALS STOCK PILING ACT.**

6           Section 11 of the Strategic and Critical Materials  
7 Stock Piling Act (50 U.S.C. 98h–2) is amended—

8                   (1) in subsection (a), by striking “January 15  
9 of” and inserting “February 15”; and

10                  (2) in subsection (b)—

11                   (A) in paragraph (1), by striking “Not  
12 later” and all that follows through “report con-  
13 taining” and inserting “Each report under sub-  
14 section (a) shall also include”; and

15                   (B) in paragraph (2)—

16                   (i) by striking “Each such report” in  
17 the first sentence and inserting “Each re-  
18 port under subsection (a) with respect to  
19 matters covered by this subsection”; and

20                   (ii) by striking “Each such report” in  
21 the second sentence and inserting “Each  
22 report under subsection (a) with respect to  
23 such matters”.

1                   **Subtitle C—Armed Forces**  
2                   **Retirement Home**

3 **SEC. 1421. AUTHORIZATION OF APPROPRIATIONS FOR**  
4                   **ARMED FORCES RETIREMENT HOME.**

5           There is hereby authorized to be appropriated for fis-  
6 cal year 2019 from the Armed Forces Retirement Home  
7 Trust Fund the sum of \$64,300,000 for the operation of  
8 the Armed Forces Retirement Home.

9 **SEC. 1422. EXPANSION OF ELIGIBILITY FOR RESIDENCE AT**  
10                   **THE ARMED FORCES RETIREMENT HOME.**

11           Section 1512 of the Armed Forces Retirement Home  
12 Act of 1991 (24 U.S.C. 412) is amended to read as fol-  
13 lows:

14 **“SEC. 1512. RESIDENTS OF RETIREMENT HOME.**

15           “(a) PERSONS ELIGIBLE TO BE RESIDENTS.—Ex-  
16 cept as provided in subsection (b), the following persons  
17 who served as members of the Armed Forces, at least one-  
18 half of whose service was not active commissioned service  
19 (other than as a warrant officer or limited-duty officer),  
20 are eligible to become residents of the Retirement Home:

21                   “(1) Persons who are 60 years of age or over  
22                   and were discharged or released from service in the  
23                   Armed Forces after 20 or more years of active serv-  
24                   ice.



1           “(2) Persons who are determined under rules  
2           prescribed by the Chief Operating Officer to be suf-  
3           fering from a service-connected disability incurred in  
4           the line of duty in the Armed Forces.

5           “(3) Persons who served in a war theater dur-  
6           ing a time of war declared by Congress or were eligi-  
7           ble for hostile fire special pay under section 310 or  
8           351 of title 37, United States Code, and who are de-  
9           termined under rules prescribed by the Chief Oper-  
10          ating Officer to be suffering from injuries, disease,  
11          or disability.

12          “(4) Persons who served in a women’s compo-  
13          nent of the Armed Forces before June 12, 1948,  
14          and are determined under rules prescribed by the  
15          Chief Operating Officer to be eligible for admission  
16          because of compelling personal circumstances.

17          “(b) PERSONS INELIGIBLE TO BE RESIDENTS.—The  
18          following persons are ineligible to become a resident of the  
19          Retirement Home:

20                 “(1) A person who—

21                         “(A) has been convicted of a felony; or

22                         “(B) was discharged or released from serv-  
23                         ice in the Armed Forces under other than hon-  
24                         orable conditions.

1           “(2) A person with substance abuse or mental  
2 health problems, except upon a judgment and satis-  
3 factory determination by the Chief Operating Officer  
4 that—

5                   “(A) the person has been evaluated by a  
6 qualified health professional selected by the Re-  
7 tirement Home;

8                   “(B) the Retirement Home can accommo-  
9 date the person’s condition; and

10                   “(C) the person agrees to such conditions  
11 of residency as the Retirement Home may re-  
12 quire.

13           “(c) ACCEPTANCE.—To apply for acceptance as a  
14 resident of a facility of the Retirement Home, a person  
15 eligible to be a resident shall submit to the Administrator  
16 of that facility an application in such form and containing  
17 such information as the Chief Operating Officer may re-  
18 quire.

19           “(d) PRIORITIES FOR ACCEPTANCE.—The Chief Op-  
20 erating Officer shall establish a system of priorities for  
21 the acceptance of residents so that the most deserving ap-  
22 plicants will be accepted whenever the number of eligible  
23 applicants is greater than the Retirement Home can ac-  
24 commodate.

25           “(e) SPOUSES OF RESIDENTS.—

1           “(1) AUTHORITY TO ADMIT.—Except as other-  
2           wise established pursuant to subsection (d), the  
3           spouse of a person accepted as a resident of a facil-  
4           ity of the Retirement Home may be admitted to that  
5           facility if the spouse—

6                   “(A) is a covered beneficiary within the  
7                   meaning of section 1072(5) of title 10, United  
8                   States Code;

9                   “(B) is not ineligible to become a resident  
10                  as provided in subsection (b); and

11                  “(C) submits an application for admittance  
12                  in accordance with subsection (c).

13           “(2) TREATMENT AS RESIDENT.—A spouse ad-  
14           mitted in accordance with paragraph (1) shall be a  
15           resident of the Retirement Home consistent with  
16           this Act, except as the Chief Operating Officer may  
17           otherwise provide.”.

18 **SEC. 1423. OVERSIGHT OF HEALTH CARE PROVIDED TO**  
19                   **RESIDENTS OF THE ARMED FORCES RETIRE-**  
20                   **MENT HOME.**

21           Section 1513A(c) of the Armed Forces Retirement  
22           Home Act of 1991 (24 U.S.C. 413a(c)) is amended—

23                   (1) by striking paragraph (1) and inserting the  
24                   following new paragraph (1):

1           “(1) Facilitate and monitor the timely avail-  
2           ability to residents of the Retirement Home such  
3           medical, mental health, and dental care services as  
4           such residents may require at locations other than  
5           the Retirement Home.”; and

6           (2) in paragraph (2), by striking “Ensure” and  
7           inserting “Monitor”.

8 **SEC. 1424. MODIFICATION OF AUTHORITY ON ACCEPTANCE**  
9                                   **OF GIFTS FOR THE ARMED FORCES RETIRE-**  
10                                   **MENT HOME.**

11           Paragraph (1) of section 1515(f) of the Armed  
12           Forces Retirement Home Act of 1991 (24 U.S.C. 415(f))  
13           is amended to read as follows:

14           “(1) The Chief Operating Officer may accept, receive,  
15           solicit, hold, administer, and use any gift, devise, or be-  
16           quest, either absolutely or in trust, of real or personal  
17           property, or any income therefrom or other interest there-  
18           in, for the benefit of the Retirement Home.”.

19 **SEC. 1425. RELIEF FOR RESIDENTS OF THE ARMED FORCES**  
20                                   **RETIREMENT HOME IMPACTED BY INCREASE**  
21                                   **IN FEES.**

22           (a) PROHIBITION ON REMOVAL FOR INABILITY TO  
23           PAY FEE INCREASE.—A resident of the Armed Forces Re-  
24           tirement Home as of September 30, 2018, may not be re-  
25           moved or released from the Retirement Home after that

1 date based solely upon the inability of the resident to pay  
2 the amount of any increase in fees applicable to residents  
3 of the Retirement Home that takes effect on October 1,  
4 2018.

5 (b) OTHER RELIEF.—The Chief Operating Officer of  
6 the Armed Forces Retirement Home shall take all actions  
7 practicable to accommodate residents of the Retirement  
8 Home who are impacted by the fee structure applicable  
9 to residents of the Retirement Home that takes effect on  
10 October 1, 2018, including through hardship relief, addi-  
11 tional deductions from gross income, and other appro-  
12 priate actions.

13 **SEC. 1426. LIMITATION ON APPLICABILITY OF FEE IN-**  
14 **CREASE FOR RESIDENTS OF THE ARMED**  
15 **FORCES RETIREMENT HOME.**

16 In the case of an individual who was a resident of  
17 the Armed Forces Retirement Home as of April 9, 2018,  
18 the increase in fees pursuant to the increase in fees for  
19 residents of the Home scheduled to take effect on October  
20 1, 2018, may not exceed an amount equal to 50 percent  
21 of the fees payable by such individual as such a resident  
22 as of April 9, 2018.

1           **Subtitle D—Other Matters**

2   **SEC. 1431. AUTHORITY FOR TRANSFER OF FUNDS TO JOINT**  
3                   **DEPARTMENT OF DEFENSE-DEPARTMENT OF**  
4                   **VETERANS AFFAIRS MEDICAL FACILITY DEM-**  
5                   **ONSTRATION FUND FOR CAPTAIN JAMES A.**  
6                   **LOVELL HEALTH CARE CENTER, ILLINOIS.**

7           (a) **AUTHORITY FOR TRANSFER OF FUNDS.**—Of the  
8 funds authorized to be appropriated by section 1405 and  
9 available for the Defense Health Program for operation  
10 and maintenance, \$113,000,000 may be transferred by the  
11 Secretary of Defense to the Joint Department of Defense—  
12 Department of Veterans Affairs Medical Facility Dem-  
13 onstration Fund established by subsection (a)(1) of sec-  
14 tion 1704 of the National Defense Authorization Act for  
15 Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2571).  
16 For purposes of subsection (a)(2) of such section 1704,  
17 any funds so transferred shall be treated as amounts au-  
18 thorized and appropriated specifically for the purpose of  
19 such a transfer.

20           (b) **USE OF TRANSFERRED FUNDS.**—For the pur-  
21 poses of subsection (b) of such section 1704, facility oper-  
22 ations for which funds transferred under subsection (a)  
23 may be used are operations of the Captain James A.  
24 Lovell Federal Health Care Center, consisting of the  
25 North Chicago Veterans Affairs Medical Center, the Navy

1 Ambulatory Care Center, and supporting facilities des-  
2 ignated as a combined Federal medical facility under an  
3 operational agreement covered by section 706 of the Dun-  
4 can Hunter National Defense Authorization Act for Fiscal  
5 Year 2009 (Public Law 110–417; 122 Stat. 4500).

6 **SEC. 1432. ECONOMICAL AND EFFICIENT OPERATION OF**  
7 **WORKING CAPITAL FUND ACTIVITIES.**

8 Section 2208(e) of title 10, United States Code, is  
9 amended—

10 (1) by inserting “(1)” after “(e)”; and

11 (2) by adding at the end the following new  
12 paragraph:

13 “(2) The accomplishment of the most economical and  
14 efficient organization and operation of working capital  
15 fund activities for the purposes of paragraph (1) shall in-  
16 clude actions toward the following:

17 “(A) The implementation of a workload plan  
18 that optimizes the efficiency of the workforce oper-  
19 ating within a working capital fund activity and re-  
20 duces the rate structure.

21 “(B) Encouraging a working capital fund activ-  
22 ity to perform reimbursable work for other entities  
23 to sustain the efficient use of the workforce.

1           “(C) Determining the appropriate leadership  
2           level for approving work from outside entities to  
3           maximize efficiency.”.

4 **TITLE XV—AUTHORIZATION OF**  
5 **ADDITIONAL APPROPRIA-**  
6 **TIONS FOR OVERSEAS CON-**  
7 **TINGENCY OPERATIONS**  
8 **Subtitle A—Authorizations of**  
9 **Appropriations**

10 **SEC. 1501. PURPOSE.**

11           The purpose of this subtitle is to authorize appropria-  
12           tions for the Department of Defense for fiscal year 2019  
13           to provide additional funds for overseas contingency oper-  
14           ations being carried out by the Armed Forces.

15 **SEC. 1502. OVERSEAS CONTINGENCY OPERATIONS.**

16           Funds are hereby authorized to be appropriated for  
17           fiscal year 2019 for the Department of Defense for over-  
18           seas contingency operations in such amounts as may be  
19           designated as provided in section 251(b)(2)(A)(ii) of the  
20           Balanced Budget and Emergency Deficit Control Act of  
21           1985 (2 U.S.C. 901(b)(2)(A)(ii)).

22 **SEC. 1503. PROCUREMENT.**

23           Funds are hereby authorized to be appropriated for  
24           fiscal year 2019 for procurement accounts for the Army,  
25           the Navy and the Marine Corps, the Air Force, and De-



1 fense-wide activities, as specified in the funding table in  
2 section 4102.

3 **SEC. 1504. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
4 **TION.**

5 Funds are hereby authorized to be appropriated for  
6 fiscal year 2019 for the use of the Department of Defense  
7 for research, development, test, and evaluation, as speci-  
8 fied in the funding table in section 4202.

9 **SEC. 1505. OPERATION AND MAINTENANCE.**

10 Funds are hereby authorized to be appropriated for  
11 fiscal year 2019 for the use of the Armed Forces and other  
12 activities and agencies of the Department of Defense for  
13 expenses, not otherwise provided for, for operation and  
14 maintenance, as specified in the funding table in section  
15 4302.

16 **SEC. 1506. MILITARY PERSONNEL.**

17 Funds are hereby authorized to be appropriated for  
18 fiscal year 2019 for the use of the Armed Forces and other  
19 activities and agencies of the Department of Defense for  
20 expenses, not otherwise provided for, for military per-  
21 sonnel, as specified in the funding table in section 4402.

22 **SEC. 1507. WORKING CAPITAL FUNDS.**

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

1 providing capital for working capital and revolving funds,  
2 as specified in the funding table in section 4502.

3 **SEC. 1508. DRUG INTERDICTION AND COUNTER-DRUG AC-**  
4 **TIVITIES, DEFENSE-WIDE.**

5 Funds are hereby authorized to be appropriated for  
6 the Department of Defense for fiscal year 2019 for ex-  
7 penses, not otherwise provided for, for Drug Interdiction  
8 and Counter-Drug Activities, Defense-wide, as specified in  
9 the funding table in section 4502.

10 **SEC. 1509. DEFENSE INSPECTOR GENERAL.**

11 Funds are hereby authorized to be appropriated for  
12 the Department of Defense for fiscal year 2019 for ex-  
13 penses, not otherwise provided for, for the Office of the  
14 Inspector General of the Department of Defense, as speci-  
15 fied in the funding table in section 4502.

16 **SEC. 1510. DEFENSE HEALTH PROGRAM.**

17 Funds are hereby authorized to be appropriated for  
18 the Department of Defense for fiscal year 2019 for ex-  
19 penses, not otherwise provided for, for the Defense Health  
20 Program, as specified in the funding table in section 4502.

21 **Subtitle B—Financial Matters**

22 **SEC. 1521. TREATMENT AS ADDITIONAL AUTHORIZATIONS.**

23 The amounts authorized to be appropriated by this  
24 title are in addition to amounts otherwise authorized to  
25 be appropriated by this Act.

1 **SEC. 1522. SPECIAL TRANSFER AUTHORITY.**

2 (a) **AUTHORITY TO TRANSFER AUTHORIZATIONS.—**

3 (1) **AUTHORITY.**—Upon determination by the  
4 Secretary of Defense that such action is necessary in  
5 the national interest, the Secretary may transfer  
6 amounts of authorizations made available to the De-  
7 partment of Defense in this title for fiscal year 2019  
8 between any such authorizations for that fiscal year  
9 (or any subdivisions thereof). Amounts of authoriza-  
10 tions so transferred shall be merged with and be  
11 available for the same purposes as the authorization  
12 to which transferred.

13 (2) **LIMITATION.**—The total amount of author-  
14 izations that the Secretary may transfer under the  
15 authority of this subsection may not exceed  
16 \$3,500,000,000.

17 (b) **TERMS AND CONDITIONS.**—Transfers under this  
18 section shall be subject to the same terms and conditions  
19 as transfers under section 1001.

20 (c) **ADDITIONAL AUTHORITY.**—The transfer author-  
21 ity provided by this section is in addition to the transfer  
22 authority provided under section 1001.

23 **Subtitle C—Other Matters**

24 **SEC. 1531. JOINT IMPROVISED-THREAT DEFEAT ORGANIZA-**  
25 **TION.**

26 (a) **USE AND TRANSFER OF FUNDS.—**

1           (1) IN GENERAL.—Subsections (b) and (c) of  
2           section 1514 of the John Warner National Defense  
3           Authorization Act for Fiscal Year 2007 (Public Law  
4           109–364; 120 Stat. 2439), as in effect before the  
5           amendments made by section 1503 of the Duncan  
6           Hunter National Defense Authorization Act for Fis-  
7           cal Year 2009 (Public Law 110–417; 122 Stat.  
8           4649), shall apply to amounts made available for fis-  
9           cal year 2019 for the Department of Defense for the  
10          Joint Improvised-Threat Defeat Organization.

11          (2) REFERENCES TO JOINT IMPROVISED EX-  
12          PLOSIVE DEVICE DEFEAT FUND.—In the application  
13          of paragraph (1) to the use of funds described in  
14          that paragraph in fiscal year 2019, any reference in  
15          the subsections referred to in that paragraph to the  
16          Joint Improvised Explosive Device Defeat Fund  
17          shall be deemed to be a reference to the Joint Im-  
18          provised-Threat Defeat Organization.

19          (b) INTERDICTION OF IMPROVISED EXPLOSIVE DE-  
20          VICE PRECURSOR CHEMICALS.—

21          (1) AVAILABILITY OF FUNDS.—Of the amounts  
22          authorized to be appropriated for fiscal year 2019  
23          for the Department of Defense by this Act for the  
24          Joint Improvised-Threat Defeat Organization,  
25          \$15,000,000 may be made available to the Secretary

1 of Defense, with the concurrence of the Secretary of  
2 State, to provide training, equipment, supplies, and  
3 services to ministries and other entities of foreign  
4 governments that the Secretary of Defense has iden-  
5 tified as critical for countering the flow of impro-  
6 vised explosive device precursor chemicals.

7 (2) PROVISION THROUGH OTHER UNITED  
8 STATES AGENCIES.—If jointly agreed upon by the  
9 Secretary of Defense and the head of another de-  
10 partment or agency of the United States Govern-  
11 ment, the Secretary of Defense may transfer  
12 amounts made available under paragraph (1) to  
13 such department or agency for the provision by such  
14 department or agency of training, equipment, sup-  
15 plies, and services to ministries and other entities of  
16 foreign governments as described in that paragraph.

17 (3) NOTICE TO CONGRESS.—None of the funds  
18 made available under paragraph (1) may be obli-  
19 gated or expended to supply training, equipment,  
20 supplies, or services to a foreign country before the  
21 date that is 15 days after the date on which the Sec-  
22 retary of Defense, in coordination with the Secretary  
23 of State, has submitted to the congressional defense  
24 committees, the Committee on Foreign Relations of  
25 the Senate, and the Committee on Foreign Affairs

1 of the House of Representatives a notice that in-  
2 cludes each of the following:

3 (A) The name of the foreign country for  
4 which training, equipment, supplies, or services  
5 are proposed to be supplied.

6 (B) A description of the training, equip-  
7 ment, supplies, and services to be provided to  
8 such foreign country using such funds.

9 (C) A detailed description of the amounts  
10 proposed to be obligated or expended to supply  
11 such training, equipment, supplies, or services,  
12 including—

13 (i) any amounts proposed to be obli-  
14 gated or expended to support the participa-  
15 tion of a department or agency of the  
16 United States Government other than the  
17 Department of Defense; and

18 (ii) a description of the training,  
19 equipment, supplies, or services proposed  
20 to be supplied.

21 (D) An evaluation of the effectiveness of  
22 the efforts of such foreign country to counter  
23 the flow of improvised explosive device pre-  
24 cursor chemicals.

1 (E) An overall plan for countering the flow  
2 of precursor chemicals in such foreign country.

3 (4) EXPIRATION.—The authority provided by  
4 this subsection expires on December 31, 2019.

5 **TITLE XVI—STRATEGIC PRO-**  
6 **GRAMS, CYBER, AND INTEL-**  
7 **LIGENCE MATTERS**

8 **Subtitle A—Space Activities**

9 **SEC. 1601. MODIFICATIONS TO SPACE RAPID CAPABILITIES**

10 **OFFICE.**

11 Section 2273a of title 10, United States Code, is  
12 amended—

13 (1) in subsection (a), by striking “joint”;

14 (2) in subsection (b), in the first sentence, by  
15 striking “Department of Defense Executive Agent  
16 for Space” and inserting “Secretary of the Air  
17 Force”;

18 (3) in subsection (c)—

19 (A) in paragraph (1), by striking “; and”  
20 and inserting a semicolon;

21 (B) in paragraph (2), by striking the pe-  
22 riod at the end and inserting “; and”; and

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

1           “(3) to rapidly develop and field new classified  
2 space capabilities.”; and

3           (4) by striking subsections (d) through (g) and  
4 inserting the following new subsections (d) through  
5 (f):

6           “(d) ACQUISITION AUTHORITY.—The acquisition ac-  
7 tivities of the Office shall be subject to the following:

8           “(1) The Secretary of the Air Force shall des-  
9 ignate the acquisition executive of the Office, who  
10 shall provide streamlined acquisition authority for  
11 any project of the Office.

12           “(2) The Joint Capabilities Integration and De-  
13 velopment System process shall not apply to any ac-  
14 quisition by the Office.

15           “(3) The Joint Force Space Component of the  
16 United States Strategic Command shall establish,  
17 validate, and prioritize program requirements.

18           “(e) REQUIRED PROGRAM ELEMENT.—

19           “(1) The Secretary of the Air Force shall en-  
20 sure, within budget program elements for space pro-  
21 grams, that—

22           “(A) there are separate, dedicated program  
23 elements for unclassified and classified activities  
24 relating to space rapid capabilities; and



1           “(B) the Office executes the responsibil-  
2           ities of the Office through those program ele-  
3           ments.

4           “(2) The Office shall manage the program ele-  
5           ments required by paragraph (1).

6           “(f) BOARD OF DIRECTORS.—The Secretary of the  
7 Air Force shall establish for the Office a Board of Direc-  
8 tors (to be known as the ‘Space Rapid Capabilities Board  
9 of Directors’) to provide coordination, oversight, and ap-  
10 proval of projects for the Office.”.

11 **SEC. 1602. SPACE WARFIGHTING POLICY AND REVIEW OF**  
12 **SPACE CAPABILITIES.**

13           (a) SPACE WARFIGHTING POLICY.—Not later than  
14 March 29, 2019, the Secretary of Defense shall develop  
15 a space warfighting policy.

16           (b) REVIEW OF SPACE CAPABILITIES.—

17           (1) IN GENERAL.—The Secretary shall conduct  
18 a review relating to the national security space en-  
19 terprise that evaluates the following:

20                   (A) The resiliency of the national security  
21 space enterprise with respect to a conflict.

22                   (B) The ability of the national security  
23 space enterprise to attribute an attack on a  
24 space system in a timely manner.

25                   (C) The ability of the United States—

- 1 (i) to resolve a conflict in space; and  
2 (ii) to determine the material means  
3 by which such conflict may be resolved.

4 (D) The ability of the national security  
5 space enterprise—

6 (i) to defend against aggressive behav-  
7 ior in space at all levels of conflict;

8 (ii) to defeat any adversary that dem-  
9 onstrates aggressive behavior in space at  
10 all levels of conflict;

11 (iii) to deter aggressive behavior in  
12 space at all levels of conflict; and

13 (iv) to develop a declassification strat-  
14 egy, if required to demonstrate deterrence.

15 (E) The effectiveness and efficiency of the  
16 national security space enterprise to rapidly re-  
17 search, develop, acquire, and deploy space capa-  
18 bilities and capacities—

19 (i) to deter and defend United States  
20 national security space assets; and

21 (ii) to respond to any new threat to  
22 such space assets.

23 (F) The current organizational structure of  
24 the national security space enterprise with re-  
25 spect to roles, responsibilities, and authorities.

1 (G) Any emerging space threat the Sec-  
2 retary expects the United States to confront  
3 during the 10-year period beginning on the date  
4 of the enactment of this Act.

5 (H) Such other matters as the Secretary  
6 considers appropriate.

7 (2) REPORT.—

8 (A) IN GENERAL.—Not later than March  
9 29, 2019, the Secretary shall submit to the con-  
10 gressional defense committees a report on the  
11 findings of the review under paragraph (1).

12 (B) FORM.—The report under subpara-  
13 graph (A) shall be submitted in unclassified  
14 form, but may include a classified annex.

15 **SEC. 1603. REPORT ON ENHANCEMENTS TO THE GLOBAL**  
16 **POSITIONING SYSTEM OPERATIONAL CON-**  
17 **TROL SEGMENT.**

18 (a) IN GENERAL.—Not later than one year after the  
19 date of the enactment of this Act, the Secretary of Defense  
20 shall submit to the congressional defense committees a re-  
21 port that identifies whether the current Global Positioning  
22 System Operational Control Segment (OCS) can be incre-  
23 mentally improved to achieve capabilities similar to the  
24 Next Generation Operational Control Segment (OCX)  
25 used to operate the Global Positioning System III.

1 (b) ELEMENTS.—The report required under sub-  
2 section (a) shall include the following elements:

3 (1) A cybersecurity review of both OCS and  
4 OCX to determine the specific cybersecurity im-  
5 provements needed to operate the system through  
6 2030, including—

7 (A) the cybersecurity improvements to  
8 OCS needed to match the cybersecurity capa-  
9 bilities that OCX is intended to provide;

10 (B) any additional OCS cybersecurity pro-  
11 tections needed beyond those OCX is intended  
12 to provide; and

13 (C) any additional OCX cybersecurity pro-  
14 tections needed beyond those for which OCX is  
15 currently contracted.

16 (2) An incremental development plan for OCS,  
17 including—

18 (A) the number of additional incremental  
19 upgrades needed to achieve capabilities similar  
20 to OCX, including a discussion of—

21 (i) any additional capabilities needed;

22 (ii) the specific capabilities in each  
23 upgrade;

24 (iii) the duration of each upgrade; and

1 (iv) a full schedule to complete all up-  
2 grades;

3 (B) the estimated cost for each incre-  
4 mental OCS upgrade; and

5 (C) the total estimated cost across fiscal  
6 years for all OCS upgrades to achieve capabili-  
7 ties similar to OCX and any additional capabili-  
8 ties.

9 (3) The date by which the Department of De-  
10 fense would have to begin contracting for each incre-  
11 mental OCS upgrade to ensure availability of OCS  
12 for the Global Positioning System III.

13 (4) A comparison of current improvements to  
14 OCS that are underway, and additional OCS incre-  
15 mental improvements described under paragraph 2,  
16 to the program of record OCX capabilities, includ-  
17 ing—

18 (A) the acquisition and sustainment cost  
19 by fiscal year through fiscal year 2030 for OCS  
20 and OCX;

21 (B) a comparison schedule between OCS  
22 (including incremental improvements described  
23 under paragraph 2) and OCX that identifies  
24 the delivery dates and capability delivered; and

1 (C) the cost and schedule required to pro-  
2 vide OCX with any additional needed capabili-  
3 ties that are now required and not currently in  
4 the program of record.

5 **SEC. 1604. STREAMLINE OF COMMERCIAL SPACE LAUNCH**  
6 **OPERATIONS.**

7 Section 1617 of the National Defense Authorization  
8 Act for Fiscal Year 2017 (Public Law 114–92; 129 Stat.  
9 1106; 51 U.S.C. 50918 note) is amended—

10 (1) in subsection (c)—

11 (A) by redesignating paragraphs (2) and  
12 (3) as paragraphs (3) and (4), respectively; and

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

15 “(2) STREAMLINING.—

16 “(A) IN GENERAL.—With respect to any li-  
17 censed activity under chapter 509 of title 51,  
18 United States Code, the Secretary of Defense  
19 may not impose any requirement on a licensee  
20 or transferee that is duplicative of, or overlaps  
21 in intent with, any requirement imposed by the  
22 Secretary of Transportation under that chapter.

23 “(B) WAIVER.—The Secretary of Defense  
24 may waive the limitation under subparagraph  
25 (A) if the Secretary determines that imposing a

1 requirement described in that subparagraph is  
2 necessary to avoid negative consequences for  
3 the national security space program.”; and

4 (2) by adding at the end the following new sub-  
5 section:

6 “(d) EFFECT OF LAW.—Nothing in this section lim-  
7 its the ability of the Secretary of Defense to consult with  
8 the Secretary of Transportation with respect to require-  
9 ments and approvals under chapter 509 of title 51, United  
10 States Code.”.

11 **SEC. 1605. REUSABLE LAUNCH VEHICLES.**

12 (a) REUSABILITY.—The Evolved Expendable Launch  
13 Vehicle Program shall be designated as the “National Se-  
14 curity Space Launch Program”.

15 (b) REFERENCE TO EVOLVED EXPENDABLE LAUNCH  
16 VEHICLE PROGRAM.—Any reference in any law, regula-  
17 tion, guidance, instruction, map, document, record, or  
18 other paper of the United States to the Evolved Expend-  
19 able Launch Vehicle Program shall be deemed to be a ref-  
20 erence to the National Security Space Launch Program.

21 (c) POLICY.—In carrying out the policy set forth in  
22 section 2273 of title 10, United States Code, the Secretary  
23 of Defense shall pursue a strategy that includes fully or  
24 partially reusable launch systems.

1 (d) CERTIFICATION STRATEGY.—The Secretary shall  
2 continue to develop a process to evaluate and certify  
3 launch vehicles using previously flown components or sys-  
4 tems for national security space launch.

5 (e) REPORTING REQUIREMENT.—Not less than 60  
6 days before the date on which a solicitation for procure-  
7 ment of space launch services is issued, the Secretary shall  
8 submit to the congressional defense committees a report  
9 that sets forth—

10 (1) a determination with respect to whether  
11 launch vehicles using previously flown components,  
12 or systems or with components or systems that are  
13 intended to be reused, that could otherwise meet  
14 mission requirements are eligible for award; and

15 (2) in the case of a determination that such  
16 launch vehicles shall not be eligible for award, a jus-  
17 tification with respect to the reason for ineligibility.

18 **SEC. 1606. REVIEW OF AND REPORT ON ACTIVITIES OF**  
19 **INTERNATIONAL SPACE STATION.**

20 (a) IN GENERAL.—Not later than March 1, 2019, the  
21 Secretary of Defense shall—

22 (1) in coordination with the Administrator of  
23 the National Aeronautics and Space Administration,  
24 complete a review of each program, activity, and fu-  
25 ture technology research project of the Department



1 of Defense being carried out on the International  
2 Space Station as of that date; and

3 (2) submit to the appropriate committees of  
4 Congress a report that describes the results of the  
5 review under paragraph (1).

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

9 (1) the Committee on Armed Services and the  
10 Committee on Commerce, Science, and Transpor-  
11 tation of the Senate; and

12 (2) the Committee on Armed Services, the  
13 Committee on Energy and Commerce, and the Com-  
14 mittee on Science, Space, and Technology of the  
15 House of Representatives.

## 16 **Subtitle B—Defense Intelligence** 17 **and Intelligence-related Activities**

18 **SEC. 1611. FRAMEWORK ON GOVERNANCE, MISSION MAN-**  
19 **AGEMENT, RESOURCING, AND EFFECTIVE**  
20 **OVERSIGHT OF DEPARTMENT OF DEFENSE**  
21 **COMBAT SUPPORT AGENCIES THAT ARE**  
22 **ALSO ELEMENTS OF THE INTELLIGENCE**  
23 **COMMUNITY.**

24 (a) FRAMEWORK REQUIRED.—

1           (1) IN GENERAL.—In accordance with section  
2           105 of the National Security Act of 1947 (50 U.S.C.  
3           3038), section 193 of title 10, United States Code,  
4           and section 1018 of the Intelligence Reform and  
5           Terrorism Prevention Act of 2004 (Public Law 108–  
6           458; 50 U.S.C. 3023 note), the Secretary of Defense  
7           shall develop and codify in policy a framework and  
8           supporting processes within the Department of De-  
9           fense to help ensure that the missions, roles, and  
10          functions of the Combat Support Agencies (CSA) of  
11          the Department of Defense that are also elements of  
12          the intelligence community (IC), and other intel-  
13          ligence components of the Department, are appro-  
14          priately balanced and resourced.

15          (2) SCOPE.—The framework shall include a  
16          consistent, repeatable process for regular reevalua-  
17          tion of the responsibilities and resource profiles of  
18          the elements described in paragraph (1) for purposes  
19          of preventing imbalances in priorities, insufficient or  
20          misaligned resources, and mission creep.

21          (b) ELEMENTS.—The framework required by sub-  
22          section (a) shall include the following:

23                 (1) A lexicon of relevant terms used by the De-  
24                 partment of Defense to ensure consistent definitions  
25                 are used in determinations about the balance de-

1       scribed in subsection (a)(1), which lexicon shall ree-  
2       concile and codify jointly-used definitions.

3           (2) A reevaluation of the intelligence compo-  
4       nents of the Department, including the Joint Intel-  
5       ligence Centers and Joint Intelligence Operations  
6       Centers within the combatant commands, in order to  
7       determine which components should be formally des-  
8       ignated as part of the intelligence community and  
9       any components not so designated conform to rel-  
10      evant tradecraft standards.

11          (3) A repeatable Department process for evalu-  
12      ating the addition, transfer, or elimination of de-  
13      fense intelligence missions, roles, and functions, cur-  
14      rently or to be performed by elements described in  
15      subsection (a)(1), which process shall include the fol-  
16      lowing:

17           (A) A justification for any proposed addi-  
18      tion, transfer, or elimination of a mission, role,  
19      or function.

20           (B) The identification of the elements in  
21      the Federal Government, if any, that currently  
22      perform the mission, role, or function con-  
23      cerned.

24           (C) For any proposed addition of a mis-  
25      sion, role, or function, an assessment of the

1 most appropriate element of the Department to  
2 assume it, taking into account current resource  
3 profiles, scope of existing responsibilities, pri-  
4 mary customers, and infrastructure necessary  
5 to support the addition.

6 (D) For any proposed addition of transfer  
7 of a mission, role, or function—

8 (i) a determination of the appropriate  
9 resource profile for such mission, role, or  
10 function; and

11 (ii) the identification, in writing, for  
12 the Department elements concerned of the  
13 resources anticipated to be needed and  
14 source of such resources within the future-  
15 years defense program in effect at the time  
16 of the proposed addition or transfer.

17 (c) BRIEFING.—Not later than 180 days after the  
18 date of the enactment of this Act, the Secretary shall pro-  
19 vide to the appropriate committees of Congress a briefing  
20 on the framework required by subsection (a).

21 (d) POLICY.—Not later than 270 days after the date  
22 of the enactment of this Act, the Secretary shall submit  
23 to the appropriate committees of Congress a report setting  
24 forth the policy that codifies the framework required by  
25 subsection (a).

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

4 (1) the Committee on Armed Services, the  
5 Committee on Appropriations, and the Select Com-  
6 mittee on Intelligence of the Senate; and

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

11 **Subtitle C—Cyberspace-related**  
12 **Matters**

13 **PART I—CYBERSPACE GENERALLY**

14 **SEC. 1621. POLICY OF THE UNITED STATES ON CYBER-**  
15 **SPACE, CYBERSECURITY, CYBER WARFARE,**  
16 **AND CYBER DETERRENCE.**

17 (a) IN GENERAL.—It shall be the policy of the United  
18 States, with respect to matters pertaining to cyberspace,  
19 cybersecurity, and cyber warfare, that the United States  
20 should employ all instruments of national power, including  
21 the use of offensive cyber capabilities, to deter if possible,  
22 and respond when necessary, to any and all cyber attacks  
23 or other malicious cyber activities that target United  
24 States interests with the intent to—

1           (1) cause casualties among United States per-  
2           sons or persons of our allies;

3           (2) significantly disrupt the normal functioning  
4           of United States democratic society or government  
5           (including attacks against critical infrastructure that  
6           could damage systems used to provide key services  
7           to the public or government);

8           (3) threaten the command and control of the  
9           United States Armed Forces, the freedom of maneu-  
10          ver of the United States Armed Forces, or the in-  
11          dustrial base or other infrastructure on which the  
12          United States Armed Forces rely to defend United  
13          States interests and commitments; or

14          (4) achieve an effect, whether individually or in  
15          aggregate, comparable to an armed attack or imperil  
16          a vital interest of the United States.

17          (b) RESPONSE OPTIONS.—In carrying out the policy  
18          set forth in subsection (a), the United States shall plan,  
19          develop, and demonstrate response options to address the  
20          full range of potential cyber attacks on United States in-  
21          terests that could be conducted by potential adversaries  
22          of the United States.

23          (c) DENIAL OPTIONS.—In carrying out the policy set  
24          forth in subsection (a) through response options developed  
25          pursuant to subsection (b), the United States shall, to the

1 greatest extent practicable, prioritize the defensibility and  
2 resiliency against cyber attacks and malicious cyber activi-  
3 ties described in subsection (a) of infrastructure critical  
4 to the political integrity, economic security, and national  
5 security of the United States.

6 (d) COST-IMPOSITION OPTIONS.—In carrying out the  
7 policy set forth in subsection (a) through response options  
8 developed pursuant to subsection (b), the United States  
9 shall develop and demonstrate, or otherwise make known  
10 to adversaries of the existence of, cyber capabilities to im-  
11 pose costs on any foreign power targeting the United  
12 States or United States persons with a cyber attack or  
13 malicious cyber activity described in subsection (a).

14 (e) MULTI-PRONG RESPONSE.—In carrying out the  
15 policy set forth in subsection (a) through response options  
16 developed pursuant to subsection (b), the United States  
17 shall—

18 (1) devote immediate and sustained attention to  
19 boosting the cyber resilience of critical United States  
20 strike systems (including cyber, nuclear, and non-nu-  
21 clear systems) in order to ensure the United States  
22 can credibly threaten to impose unacceptable costs  
23 in response to even the most sophisticated large-  
24 scale cyber attack;

1           (2) develop offensive cyber capabilities and spe-  
2           cific plans and strategies to put at risk targets most  
3           valued by adversaries of the United States and their  
4           key decision makers;

5           (3) enhance attribution capabilities to reduce  
6           the time required to positively attribute an attack  
7           with high confidence; and

8           (4) develop intelligence and offensive cyber ca-  
9           pabilities to detect, disrupt, and potentially expose  
10          malicious cyber activities.

11          (f) POLICIES RELATING TO OFFENSIVE CYBER CA-  
12          PABILITIES AND SOVEREIGNTY.—It is the policy of the  
13          United States that, when a cyber attack or malicious cyber  
14          activity transits or otherwise relies upon the networks or  
15          infrastructure of a third country—

16               (1) the United States shall, to the greatest ex-  
17               tent practicable, notify and encourage the govern-  
18               ment of that country to take action to eliminate the  
19               threat; and

20               (2) if the government is unable or unwilling to  
21               take action, the United States reserves the right to  
22               act unilaterally (with the consent of that government  
23               if possible, but without such consent if necessary).

24          (g) AUTHORITY OF SECRETARY OF DEFENSE.—



1           (1) IN GENERAL.—The Secretary of Defense  
2 has the authority to develop, prepare, coordinate,  
3 and, when appropriately authorized to do so, conduct  
4 military cyber operations in response to cyber at-  
5 tacks and malicious cyber activities described in sub-  
6 section (a) that are carried out against the United  
7 States or United States persons by a foreign power.

8           (2) DELEGATION OF ADDITIONAL AUTHORI-  
9 TIES.—The Secretary may delegate to the Com-  
10 mander of the United States Cyber Command such  
11 authorities of the Secretaries of the military depart-  
12 ments, including authorities relating to manning,  
13 training, and equipping, that the Secretary considers  
14 appropriate.

15           (3) USE OF DELEGATED AUTHORITIES.—The  
16 use by the Commander of the United States Cyber  
17 Command of any authority delegated to the Com-  
18 mander pursuant to this subsection shall be subject  
19 to the authority, direction, and control of the Sec-  
20 retary.

21           (4) RULE OF CONSTRUCTION.—Nothing in this  
22 subsection shall be construed to limit the authority  
23 of the President or Congress to authorize the use of  
24 military force.

1 (h) FOREIGN POWER DEFINED.—In this section, the  
2 term “foreign power” has the meaning given that term  
3 in section 101 of the Foreign Intelligence Surveillance Act  
4 of 1978 (50 U.S.C. 1801).

5 **SEC. 1622. AFFIRMING THE AUTHORITY OF THE SEC-**  
6 **RETARY OF DEFENSE TO CONDUCT MILITARY**  
7 **ACTIVITIES AND OPERATIONS IN CYBER-**  
8 **SPACE.**

9 Section 130g of title 10, United States Code, is  
10 amended—

11 (1) by striking “The Secretary” and inserting  
12 the following:

13 “(a) IN GENERAL.—The Secretary”;

14 (2) by adding at the end the following new sub-  
15 sections:

16 “(b) AFFIRMATION OF AUTHORITY.—(1) Congress  
17 affirms that the Secretary of Defense may conduct mili-  
18 tary activities or operations in cyberspace, including clan-  
19 destine military activities or operations in cyberspace, to  
20 defend the United States and allies and interests of the  
21 United States, including in response to malicious cyber ac-  
22 tivity carried out against the United States or a United  
23 States person by a foreign power.

24 “(2) Congress affirms that the authority referred to  
25 in paragraph (1) includes the conduct of military activities

1 or operations in cyberspace short of war and in areas out-  
2 side of named areas of conflict for the purpose of prepara-  
3 tion of the environment, influence, force protection, and  
4 deterrence of hostilities, or counterterrorism operations in-  
5 volving the armed forces of the United States.

6 “(c) CLANDESTINE ACTIVITIES OR OPERATIONS.—A  
7 clandestine military activity or operation in cyberspace  
8 shall be considered a traditional military activity for the  
9 purposes of section 503(e)(2) of the National Security Act  
10 of 1947 (50 U.S.C. 3093(e)(2)).

11 “(d) CONGRESSIONAL OVERSIGHT.—The Secretary  
12 shall brief the congressional defense committees about any  
13 military activities or operations in cyberspace, including  
14 clandestine military activities or operations in cyberspace,  
15 occurring during the previous quarter during the quarterly  
16 briefing required by section 484 of this title.

17 “(e) RULE OF CONSTRUCTION.—Nothing in this sec-  
18 tion shall be construed to limit the authority of the Sec-  
19 retary to conduct military activities or operations in cyber-  
20 space, including clandestine activities or operations in  
21 cyberspace, or to alter or otherwise affect the War Powers  
22 Resolution (50 U.S.C. 1541–1548), the Authorization for  
23 Use of Military Force (Public Law 107–40; 50 U.S.C.  
24 1541 note), or reporting of sensitive military cyber activi-  
25 ties or operations required by section 130j of this title.

1 “(f) DEFINITIONS.—In this section:

2 “(1) The term ‘clandestine military activity or  
3 operation in cyberspace’ means a military activity or  
4 operation carried out in cyberspace, or associated  
5 preparatory actions, authorized by the President or  
6 the Secretary that—

7 “(A) is marked by, held in, or conducted  
8 with secrecy, where the intent is that the activ-  
9 ity or operation will not be apparent or ac-  
10 knowledged publicly; and

11 “(B) is to be carried out—

12 “(i) as part of a military operation  
13 plan approved by the President or the Sec-  
14 retary in anticipation of hostilities or as di-  
15 rected by the President or the Secretary  
16 against—

17 “(I) adversaries (as defined by  
18 the National Security Strategy); or

19 “(II) other emergent national se-  
20 curity threats;

21 “(ii) to deter, safeguard, or defend  
22 against attacks or malicious cyber activi-  
23 ties against the United States or Depart-  
24 ment of Defense information, networks,

1 systems, installations, facilities, or other  
2 assets; or

3 “(iii) in support of other information  
4 related capabilities such as military decep-  
5 tion and psychological operations.

6 “(2) The term ‘foreign power’ has the meaning  
7 given such term in section 101 of the Foreign Intel-  
8 ligence Surveillance Act of 1978 (50 U.S.C. 1801).

9 “(3) The term ‘United States person’ has the  
10 meaning given such term in such section.”; and

11 (3) in subsection (a), as designated by para-  
12 graph (1), by striking “(as” and all that follows  
13 through “)”).

14 **SEC. 1623. ACTIVE DEFENSE AND SURVEILLANCE AGAINST**  
15 **RUSSIAN FEDERATION ATTACKS IN CYBER-**  
16 **SPACE.**

17 (a) **AUTHORITY TO DISRUPT, DEFEAT, AND DETER**  
18 **CYBER ATTACKS.—**

19 (1) **IN GENERAL.—**In the event that the Na-  
20 tional Command Authority determines that the Rus-  
21 sian Federation is conducting an active, systematic,  
22 and ongoing campaign of attacks against the govern-  
23 ment or people of the United States in cyberspace,  
24 the National Command Authority may authorize the  
25 Commander of the United States Cyber Command,

1 acting through the Cyber Mission Forces assigned to  
2 the United States Cyber Command, to take appro-  
3 priate and proportional action in cyberspace to dis-  
4 rupt, defeat, and deter such attacks under the au-  
5 thority and policy of the Secretary of Defense to  
6 conduct cyber operations and information operations  
7 as traditional military activities.

8 (2) NOTIFICATION AND REPORTING.—

9 (A) NOTIFICATION OF OPERATIONS.—IN  
10 exercising the authority provided in paragraph  
11 (1), the Secretary shall provide notices to the  
12 congressional defense committees in accordance  
13 with section 130(f) of title 10, United States  
14 Code.

15 (B) QUARTERLY REPORTS BY COMMANDER  
16 OF THE UNITED STATES CYBER COMMAND.—

17 (i) IN GENERAL.—In any fiscal year  
18 in which the Commander of the United  
19 States Cyber Command carries out an ac-  
20 tion under paragraph (1), the Secretary of  
21 Defense shall, not less frequently than  
22 quarterly, submit to the congressional de-  
23 fense committees a report on the actions of  
24 the Commander under such paragraph in  
25 such fiscal year.

1                   (ii) MANNER OF REPORTING.—Re-  
2                   ports submitted under clause (i) shall be  
3                   submitted in a manner that is consistent  
4                   with the recurring quarterly report re-  
5                   quired by section 484 of title 10, United  
6                   States Code.

7                   (b) SURVEILLANCE.—

8                   (1) IN GENERAL.—The Secretary of Defense,  
9                   acting through the Commander of the United States  
10                  Cyber Command and the cyber mission forces of  
11                  such command, may conduct surveillance in net-  
12                  works outside the United States of personnel and or-  
13                  ganizations engaged at the behest or in support of  
14                  the Russian Federation in—

15                  (A) stealing and releasing confidential in-  
16                  formation from United States persons or sup-  
17                  porting organizations who are campaigning for  
18                  public office;

19                  (B) generating and planting information  
20                  and narratives, including the purchase of adver-  
21                  tisements, in social and other media intended to  
22                  mislead, sharpen social and political conflicts,  
23                  or otherwise manipulate perceptions and opin-  
24                  ions of the people of the United States;

1           (C) creating networks of subverted com-  
2           puters and associated false accounts on social  
3           media platforms for the purpose of spreading  
4           and amplifying the impact of information and  
5           narratives intended to mislead, sharpen social  
6           and political conflicts, or otherwise manipulate  
7           perceptions and opinions of the people of the  
8           United States; and

9           (D) developing or using cyber capabili-  
10          ties—

11                   (i) to disable, disrupt, or destroy crit-  
12                   ical infrastructure of the United States; or

13                   (ii) to cause—

14                           (I) casualties among United  
15                           States persons or persons of allies of  
16                           the United States;

17                           (II) significant damage to private  
18                           or public property;

19                           (III) significant economic disrup-  
20                           tion;

21                           (IV) an effect, whether individ-  
22                           ually or in aggregate, comparable to  
23                           that of an armed attack or one that  
24                           imperils a vital national security inter-  
25                           est of the United States; or



1 (V) significant disruption of the  
2 normal functioning of United States  
3 democratic society or government, in-  
4 cluding attacks against or incidents  
5 involving critical infrastructure that  
6 could damage systems used to provide  
7 key services to the public or govern-  
8 ment.

9 (2) PRIVATE SECTOR COOPERATION.—

10 (A) IN GENERAL.—The Secretary shall  
11 make arrangements, directly or through other  
12 government organizations, with private sector  
13 media representatives and organizations, includ-  
14 ing social media companies, on a voluntary  
15 basis, using the results of the surveillance  
16 under paragraph (1) to assist in the identifica-  
17 tion of such malicious individuals and organiza-  
18 tions and associated false or counterfeit ac-  
19 counts created on social media platforms.

20 (B) SECURITY CLEARANCES.—In carrying  
21 out subparagraph (A), the Secretary may grant  
22 such security clearances to individuals of media  
23 organizations as the Secretary considers nec-  
24 essary and appropriate to share evidence that  
25 supports the Secretary's conclusions regarding

1 the individuals and organizations engaged in  
2 the activities described in paragraph (1).

3 (c) ANNUAL REPORT.—Not less frequently than once  
4 each year, the Secretary shall submit to the congressional  
5 defense committees and the congressional intelligence  
6 committees (as defined in section 3 of the National Secu-  
7 rity Act of 1947 (50 U.S.C. 3003)) a report on—

8 (1) the scope and intensity of the Russian Fed-  
9 eration’s information operations and attacks through  
10 cyberspace against the government or people of the  
11 United States observed by the cyber mission forces  
12 of the United States Cyber Command and the Na-  
13 tional Security Agency;

14 (2) adjustments of the Department of Defense  
15 in the response directed or recommended by the Sec-  
16 retary with respect to such operations and attacks;  
17 and

18 (3) whether the authorities under subsections  
19 (a) and (b) should be expanded to include other for-  
20 eign powers, such as the Islamic Republic of Iran  
21 and the People’s Republic of China.

22 **SEC. 1624. REORGANIZATION AND CONSOLIDATION OF CER-**  
23 **TAIN CYBER PROVISIONS.**

24 (a) IN GENERAL.—Part I of subtitle A of title 10,  
25 United States Code, is amended—

1 (1) by transferring sections 130g, 130j, and  
2 130k to chapter 19; and

3 (2) in chapter 19, by redesignating sections  
4 130g, 130j, and 130k, as transferred by subpara-  
5 graph (A), as sections 394, 395, and 396, respec-  
6 tively.

7 (b) CONFORMING AMENDMENT.—Section 108(m) of  
8 the Cybersecurity Information Sharing Act of 2015 (6  
9 U.S.C. 1507(m)) is amended by striking “under section  
10 130g” and inserting “under section 394”.

11 (c) CLERICAL AMENDMENTS.—(1) The table of sec-  
12 tions at the beginning of chapter 3 of title 10, United  
13 States Code, is amended by striking the items relating to  
14 sections 130g, 130j, and 130k.

15 (2) The table of sections at the beginning of chapter  
16 19 of such title is amended by adding at the end the fol-  
17 lowing new items:

“394. Authorities concerning military cyber operations.

“395. Notification requirements for sensitive military cyber operations.

“396. Notification requirements for cyber weapons.”.

18 **SEC. 1625. DESIGNATION OF OFFICIAL FOR MATTERS RE-**  
19 **LATING TO INTEGRATING CYBERSECURITY**  
20 **AND INDUSTRIAL CONTROL SYSTEMS WITHIN**  
21 **THE DEPARTMENT OF DEFENSE.**

22 (a) DESIGNATION OF INTEGRATING OFFICIAL.—Not  
23 later than 180 days after the date of the enactment of  
24 this Act, the Secretary of Defense shall designate one offi-

1 cial to be responsible for matters relating to integrating  
2 cybersecurity and industrial control systems within the  
3 Department of Defense.

4 (b) RESPONSIBILITIES.—The official designated pur-  
5 suant to subsection (a) shall be responsible for matters  
6 described in such subsection at all levels of command,  
7 from the Department to the facility using industrial con-  
8 trol systems, including developing Department-wide cer-  
9 tification standards for integration of industrial control  
10 systems and taking into consideration frameworks set  
11 forth by the National Institute of Standards and Tech-  
12 nology for the cybersecurity of such systems.

13 **SEC. 1626. ASSISTANCE FOR SMALL MANUFACTURERS IN**  
14 **THE DEFENSE INDUSTRIAL SUPPLY CHAIN**  
15 **ON MATTERS RELATING TO CYBERSECURITY.**

16 (a) DISSEMINATION OF CYBERSECURITY RE-  
17 SOURCES.—

18 (1) IN GENERAL.—The Under Secretary of De-  
19 fense for Research and Engineering, in consultation  
20 with the Director of the National Institute of Stand-  
21 ards and Technology, shall take such actions as may  
22 be necessary to enhance awareness of cybersecurity  
23 threats among small manufacturers in the defense  
24 industrial supply chain.

1           (2) PRIORITY.—The Under Secretary of De-  
2           fense for Research and Engineering shall prioritize  
3           efforts to increase awareness to help reduce cyberse-  
4           curity risks faced by small manufacturers described  
5           in paragraph (1).

6           (3) SECTOR FOCUS.—The Under Secretary of  
7           Defense for Research and Engineering shall carry  
8           out this subsection with a focus on such industry  
9           sectors as the Under Secretary considers critical.

10          (4) OUTREACH EVENTS.—Under paragraph (1),  
11          the Under Secretary of Defense for Research and  
12          Engineering shall conduct outreach to support ac-  
13          tivities consistent with this section. Such outreach  
14          may include live events with a physical presence and  
15          outreach conducted through Internet websites.

16          (b) VOLUNTARY CYBERSECURITY SELF-ASSESS-  
17          MENTS.—The Under Secretary of Defense for Research  
18          and Engineering shall develop mechanisms to provide as-  
19          sistance to help small manufacturers conduct voluntary  
20          self-assessments in order to understand operating environ-  
21          ments, cybersecurity requirements, and existing  
22          vulnerabilities, including through the Mentor Protégé Pro-  
23          gram, small business programs, and engagements with de-  
24          fense laboratories and test ranges.

1 (c) TRANSFER OF RESEARCH FINDINGS AND EXPER-  
2 TISE.—

3 (1) IN GENERAL.—The Under Secretary of De-  
4 fense for Research and Engineering shall promote  
5 the transfer of appropriate technology and tech-  
6 niques developed in the Department of Defense to  
7 small manufacturers throughout the United States  
8 to implement security measures that are adequate to  
9 protect covered defense information, including con-  
10 trolled unclassified information.

11 (2) COORDINATION WITH OTHER FEDERAL EX-  
12 PERTISE AND CAPABILITIES.—The Under Secretary  
13 of Defense for Research and Engineering shall co-  
14 ordinate efforts, when appropriate, with the exper-  
15 tise and capabilities that exist in Federal agencies  
16 and federally sponsored laboratories.

17 (3) AGREEMENTS.—In carrying out this sub-  
18 section, the Under Secretary of Defense for Re-  
19 search and Engineering may enter into agreements  
20 with private industry, institutes of higher education,  
21 or a State, United States territory, local, or tribal  
22 government to ensure breadth and depth of coverage  
23 to the United States defense industrial base and to  
24 leverage resources.

1 (d) DEFENSE ACQUISITION WORKFORCE CYBER  
2 TRAINING PROGRAM.—The Secretary of Defense shall es-  
3 tablish a cyber counseling certification program, or ap-  
4 prove a similar existing program, to certify small business  
5 professionals and other relevant acquisition staff within  
6 the Department of Defense to provide cyber planning as-  
7 sistance to small manufacturers in the defense industrial  
8 supply chain.

9 (e) AUTHORITIES.—In executing this program, the  
10 Secretary may use the following authorities:

11 (1) The Manufacturing Technology Program es-  
12 tablished under section 2521 of title 10, United  
13 States Code.

14 (2) The Centers for Science, Technology, and  
15 Engineering Partnership program under section  
16 2368 of title 10, United States Code.

17 (3) The Manufacturing Engineering Education  
18 Program established under section 2196 of title 10,  
19 United States Code.

20 (4) The Small Business Innovation Research  
21 program.

22 (5) The mentor-protégé program.

23 (6) Other legal authorities as the Secretary  
24 deems necessary for the effective and efficient execu-  
25 tion of the program.

1 (f) DEFINITIONS.—In this section:

2 (1) RESOURCES.—The term “resources” means  
3 guidelines, tools, best practices, standards, meth-  
4 odologies, and other ways of providing information.

5 (2) SMALL BUSINESS CONCERN.—The term  
6 “small business concern” means a small business  
7 concern as that term is used in section 3 of the  
8 Small Business Act (15 U.S.C. 632).

9 (3) SMALL MANUFACTURER.—The term “small  
10 manufacturer” means a small business concern that  
11 is a manufacturer.

12 (4) STATE.—The term “State” means each of  
13 the several States, Territories, and possessions of  
14 the United States, the District of Columbia, and the  
15 Commonwealth of Puerto Rico.

16 **SEC. 1627. MODIFICATION OF ACQUISITION AUTHORITY OF**  
17 **THE COMMANDER OF THE UNITED STATES**  
18 **CYBER COMMAND.**

19 (a) MODIFICATION OF LIMITATION ON USE OF  
20 CYBER OPERATIONS PROCUREMENT FUND.—Subsection  
21 (e) of section 807 of the National Defense Authorization  
22 Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C.  
23 2224 note) is amended—

24 (1) by striking “\$75,000,000” and inserting  
25 “\$250,000,000”; and



1           (2) by striking “2021” and inserting “2025”.

2           (b) EXTENSION ON SUNSET.—Subsection (i)(1) of  
3 such section is amended by striking “September 30,  
4 2021” and inserting “September 30, 2025”.

5 **SEC. 1628. EMAIL AND INTERNET WEBSITE SECURITY AND**  
6 **AUTHENTICATION.**

7           (a) IMPLEMENTATION OF PLAN REQUIRED.—Except  
8 as provided by subsection (b), the Secretary of Defense  
9 shall develop and implement the plan outlined in Binding  
10 Operational Directive 18–01, issued by the Secretary of  
11 Homeland Security on October 16, 2017, relating to email  
12 security and authentication and Internet website security,  
13 according to the schedule established by the Binding Oper-  
14 ational Directive for the rest of the Executive Branch be-  
15 ginning with the date of enactment of this Act.

16           (b) ELEMENTS.—The actions required of the Sec-  
17 retary of Defense under subsection (a) include the fol-  
18 lowing:

19           (1) The adoption of the START Transport  
20 Layer Security (STARTTLS) protocol for  
21 encryption.

22           (2) Enforcement of Sender Policy Framework  
23 (SPF), Domain Keys Identified Mail (DKIM), and  
24 Domain-based Message Authentication, Reporting,

1 and Conformance (DMARC) for email authentica-  
2 tion.

3 (3) Implementation of Hypertext Transfer Pro-  
4 tocol Strict Transport Security (HSTS).

5 (c) WAIVER.—The Secretary may waive the require-  
6 ments of subsection (a) if the Secretary submits to the  
7 congressional defense committees a certification that exist-  
8 ing or planned security measures for the Department of  
9 Defense either meet or exceed the information security re-  
10 quirements of Binding Operational Directive 18–01.

11 (d) FUTURE BINDING OPERATIONAL DIRECTIVES.—  
12 The Chief Information Officer of the Department of De-  
13 fense shall notify the congressional defense committees  
14 within 180 days of the issuance by the Secretary of Home-  
15 land Security after the date of the enactment of this Act  
16 of any Binding Operational Directive for cybersecurity  
17 whether the Department of Defense will comply with the  
18 Directive or how the Department of Defense plans to meet  
19 or exceed the security objectives of the Directive.

20 **SEC. 1629. MATTERS PERTAINING TO THE SHARKSEER CY-**  
21 **BERSECURITY PROGRAM.**

22 (a) TRANSFER OF PROGRAM.—Not later than March  
23 1, 2019, the Secretary of Defense shall transfer the  
24 Sharkseer cybersecurity program from the National Secu-  
25 rity Agency to the Defense Information Systems Agency,

1 including all associated funding and, as the Secretary con-  
2 siders necessary, personnel.

3 (b) LIMITATION ON FUNDING FOR THE INFORMA-  
4 TION SYSTEMS SECURITY PROGRAM.—Of the funds au-  
5 thorized to be appropriated by this Act or otherwise made  
6 available for fiscal year 2019 or any subsequent fiscal year  
7 for research, development, test, and evaluation for the In-  
8 formation Systems Security Program for the National Se-  
9 curity Agency, not more than 90 percent may be obligated  
10 or expended unless the Principal Cyber Advisor certifies  
11 to the congressional defense committees that the oper-  
12 ations and maintenance funding for the Sharkseer pro-  
13 gram for fiscal year 2019 and the subsequent fiscal years  
14 of the current Future Years Defense Program are avail-  
15 able or programmed.

16 (c) SHARKSEER BREAK AND INSPECT CAPABILITY.—

17 (1) IN GENERAL.—The Secretary of Defense  
18 shall ensure that the decryption capability described  
19 in section 1636 of the Carl Levin and Howard P.  
20 “Buck” McKeon National Defense Authorization  
21 Act for Fiscal Year 2015 (Public Law 113–291) is  
22 provided by the break and inspect subsystem of the  
23 Sharkseer cybersecurity program, unless the Prin-  
24 cipal Cyber Advisor notifies the congressional de-  
25 fense committees on or before the date that is 90

1 days after the date of the enactment of this Act that  
2 a superior enterprise solution will be operational be-  
3 fore October 1, 2019.

4 (2) INTEGRATION OF CAPABILITY.—The Sec-  
5 retary shall take such actions as are necessary to in-  
6 tegrate the break and inspect subsystem of the  
7 Sharkseer cybersecurity program with the Depart-  
8 ment of Defense public key infrastructure.

9 (d) VISIBILITY TO ENDPOINTS.—The Secretary shall  
10 take such actions as are necessary to enable, by October  
11 1, 2020, the Sharkseer cybersecurity program and com-  
12 puter network defense service providers to instantly and  
13 automatically determine the specific identity and location  
14 of computer hosts and other endpoints that received or  
15 sent malware detected by the Sharkseer cybersecurity pro-  
16 gram or other network perimeter defenses.

17 (e) SANDBOX AS A SERVICE.—The Secretary shall  
18 use the Sharkseer cybersecurity program sandbox-as-a-  
19 service capability as an enterprise solution and terminate  
20 all other such projects, unless the Principal Cyber Advisor  
21 notifies the congressional defense committees on or before  
22 the date that is 90 days after the date of the enactment  
23 of this Act that a superior enterprise solution will be oper-  
24 ational before October 1, 2019.

1 (f) AUTHORIZATION OF APPROPRIATIONS FOR BAND-  
2 WIDTH EXPANSION.—There is authorized to be appro-  
3 priated \$20,000,000 for procurement, defense-wide, for  
4 the Defense Information Systems Agency to increase the  
5 bandwidth of the Sharkseer cybersecurity program to  
6 match the bandwidth of communications entering the  
7 Internet access points of the Department of Defense.

8 **SEC. 1630. PILOT PROGRAM ON MODELING AND SIMULA-**  
9 **TION IN SUPPORT OF MILITARY HOMELAND**  
10 **DEFENSE OPERATIONS IN CONNECTION**  
11 **WITH CYBER ATTACKS ON CRITICAL INFRA-**  
12 **STRUCTURE.**

13 (a) PILOT PROGRAM REQUIRED.—

14 (1) IN GENERAL.—The Assistant Secretary of  
15 Defense for Homeland Defense and Global Security  
16 shall carry out a pilot program that uses the results  
17 of research exercises of local government, industry,  
18 and military responses to combined natural disasters  
19 and cyber attacks on critical infrastructure in order  
20 to identify and develop means of improving such re-  
21 sponses to such combined disasters and attacks.

22 (2) DISCHARGE.—The Assistant Secretary shall  
23 carry out the pilot program through the United  
24 States Northern Command and the United States  
25 Cyber Command.

1           (3) RESEARCH EXERCISES.—The pilot program  
2 shall be based on lessons learned from the so-called  
3 “Jack Voltaic” research exercises conducted by the  
4 Army Cyber Institute, industry partners of the Insti-  
5 tute, and New York, New York, and Houston,  
6 Texas.

7           (b) PURPOSE.—The purpose of the pilot program  
8 shall be to accomplish the following:

9           (1) The development and demonstration of risk  
10 analysis methodologies, and the application of com-  
11 mercial simulation and modeling capabilities, based  
12 on artificial intelligence and hyperscale cloud com-  
13 puting technologies, for use by the Federal Govern-  
14 ments, States, and localities, as applicable—

15                   (A) to assess defense critical infrastructure  
16 vulnerabilities and interdependencies to improve  
17 military resiliency;

18                   (B) to determine the likely effectiveness of  
19 attacks described in subsection (a)(1), and  
20 countermeasures, tactics, and tools supporting  
21 responsive military homeland defense oper-  
22 ations;

23                   (C) to train personnel in incident response;

24                   (D) to conduct exercises and test sce-  
25 narios; and

1           (E) to foster collaboration and learning be-  
2           tween and among departments and agencies of  
3           the Federal Government, State and local gov-  
4           ernments, and private entities responsible for  
5           critical infrastructure.

6           (2) The development and demonstration of the  
7           foundations for establishing and maintaining a pro-  
8           gram of record for a shared high-fidelity, interactive,  
9           affordable, cloud-based modeling and simulation of  
10          critical infrastructure systems and incident response  
11          capabilities that can simulate complex cyber and  
12          physical attacks and disruptions on individual and  
13          multiple sectors on national, regional, State, and  
14          local scales.

15          (c) REPORT.—

16           (1) IN GENERAL.—At the same time the budget  
17           of the President for fiscal year 2020 is submitted to  
18           Congress pursuant to section 1105(a) of title 31,  
19           United States Code, the Assistant Secretary shall, in  
20           consultation with the Secretary of Homeland Secu-  
21           rity, submit to the congressional defense committees  
22           a report on the pilot program.

23           (2) CONTENTS.—The report required by para-  
24           graph (1) shall include the following:

1 (A) A description of the results of the ex-  
2 ercises described in subsection (a)(3) and any  
3 other exercises conducted as part of the pilot  
4 program as of the date of the report.

5 (B) A list of the cybersecurity units of the  
6 National Guard and Reserves, and a description  
7 and assessment of the progress of the Assistant  
8 Secretary and the National Governors' Associa-  
9 tion in promoting multi-State mutual assistance  
10 compacts to share resources with respect to  
11 combined natural disaster and cyber attacks de-  
12 scribed in subsection (a)(1) as well as an as-  
13 sessment of how the National Guard's ability to  
14 operate under dual jurisdictions and their exist-  
15 ing relationships at the State and local level  
16 could be used in these types of events.

17 (C) A description of the risk analysis  
18 methodologies and modeling and simulation ca-  
19 pabilities developed and demonstrated pursuant  
20 to the pilot program, and an assessment of the  
21 potential for future growth of commercial tech-  
22 nology in support of the homeland defense mis-  
23 sion of the Department of Defense.

24 (D) Such recommendations as the Sec-  
25 retary considers appropriate regarding the es-



1           establishment of a program of record for the De-  
2           partment on further development and  
3           sustainment of risk analysis methodologies and  
4           advanced, large-scale modeling and simulation  
5           on critical infrastructure and cyber warfare.

6           (E) Lessons learned from the use of novel  
7           risk analysis methodologies and large-scale  
8           modeling and simulation carried out under the  
9           pilot program regarding vulnerabilities, required  
10          capabilities, and reconfigured force structure,  
11          coordination practices, and policy.

12          (F) Planned steps for implementing the  
13          lessons described in subparagraph (E).

14          (d) FUNDING.—Of the amounts authorized to be ap-  
15          propriated for fiscal year 2019 by section 201 for re-  
16          search, development, test, and evaluation for the Army  
17          and available for Advanced Concepts and Simulation (Pro-  
18          gram Element (62308A)), \$10,000,000 may be available  
19          for the pilot program.

20 **SEC. 1631. SECURITY PRODUCT INTEGRATION FRAME-**  
21 **WORK.**

22          (a) FINDINGS.—Congress makes the following find-  
23          ings:

24                  (1) The Department of Defense requires a  
25          standard, enterprise-wide, security product integra-

1        tion framework (SPIF) that provides a machine-to-  
2        machine data exchange architecture and protocol to  
3        achieve interoperability and automated orchestration  
4        and coordinated action between and among cyberse-  
5        curity services, devices, appliances, agents, applica-  
6        tions, tools, and command and control centers.

7            (2) Information security products and services  
8        need to be engineered to consume and act on infor-  
9        mation, direction, and cues from other security ele-  
10       ments on a network through this framework.

11           (3) A security product integration framework  
12       should ideally be non-proprietary or designed as a  
13       modular open system.

14           (4) A security integration framework is essen-  
15       tial to achieve the speed, scale, and agility of re-  
16       sponse required for cyber warfare, and to reduce the  
17       cost and time needed to integrate new products and  
18       services into the existing security environment.

19        (b) DEMONSTRATION PROGRAM.—The Principal  
20       Cyber Adviser, the Chief Information Officer, and the  
21       Commander of the United States Cyber Command shall  
22       select a network or network segment and associated com-  
23       puter network defense service provider to conduct a dem-  
24       onstration and evaluation of one or more existing security  
25       product integration frameworks, including modifying net-

1 work security systems to enable such systems to ingest,  
2 publish, subscribe, tip and cue, and request information  
3 or services from each other.

4 **SEC. 1632. REPORT ON ENHANCEMENT OF SOFTWARE SE-**  
5 **CURITY FOR CRITICAL SYSTEMS.**

6 (a) REPORT REQUIRED.—Not later than March 1,  
7 2019, the Principal Cyber Adviser to the Secretary of De-  
8 fense and the Chief Information Officer of the Department  
9 of Defense shall jointly submit to the congressional de-  
10 fense committees a report on a study, based on the au-  
11 thorities specified in subsection (b), on the costs, benefits,  
12 technical merits, and other merits of applying the tech-  
13 nology described in subsection (c) to the vulnerability as-  
14 sessment and remediation of the following:

15 (1) Nuclear systems and nuclear command and  
16 control.

17 (2) A critical subset of conventional power pro-  
18 jection capabilities.

19 (3) Cyber command and control.

20 (4) Other defense critical infrastructure

21 (b) BASIS FOR CONDUCT OF STUDY.—The study re-  
22 quired for purposes of subsection (a) shall be conducted  
23 pursuant to the following:

1           (1) Section 1640 of the National Defense Au-  
2           thorization Act for Fiscal Year 2018 (Public Law  
3           115–91).

4           (2) Section 1650 of the National Defense Au-  
5           thorization Act for Fiscal Year 2017 (10 U.S.C.  
6           2224 note).

7           (3) Section 1647 of the National Defense Au-  
8           thorization Act for Fiscal Year 2016 (Public Law  
9           114–92; 129 Stat. 1118).

10          (c) TECHNOLOGIES.—The technologies described in  
11 this subsection are the following:

12           (1) Technology developed and used by Combat  
13           Support Agencies of the Department of Defense to  
14           discover flaws and weaknesses in software code by  
15           inputting immense quantities of pseudo-random data  
16           (commonly referred to as “fuzz”) to identify inputs  
17           that cause the software to fail.

18           (2) Cloud-based software fuzzing-as-a-service to  
19           continuously test the security of Department of De-  
20           fense software repositories at large scale.

21           (3) Formal programming and protocol language  
22           for software code development and other methods  
23           and tools developed under the High Assurance Cyber  
24           Military Systems program of the Defense Advanced  
25           Research Projects Agency.

1           (4) The binary analysis and symbolic execution  
2 software security tools developed under the Cyber  
3 Grand Challenge of the Defense Advanced Research  
4 Projects Agency.

5 **SEC. 1633. COMPLY TO CONNECT AND CYBERSECURITY**  
6 **SCORECARD.**

7           (a) LIMITATION.—After October 1, 2019, no funds  
8 may be obligated or expended to prepare the cybersecurity  
9 scorecard for the Secretary of Defense unless the Depart-  
10 ment of Defense is implementing a funded capability to  
11 meet the requirements—

12           (1) established by the Chief Information Officer  
13 and the Commander of United States Cyber Com-  
14 mand pursuant to section 1653 of the National De-  
15 fense Authorization for Fiscal Year 2017 (Public  
16 Law 114–328; 10 U.S.C. 2224 note); and

17           (2) set forth in the Information Security Con-  
18 tinuous Monitoring Strategy, the Comply-to-Connect  
19 Strategy, the Enterprise Patch Management Service  
20 Strategy and Concept of Operations, and the User  
21 Activity Monitoring Strategy.

22           (b) REPORT.—Not later than January 10, 2019, the  
23 Director of Cost Assessment and Program Evaluation  
24 shall submit to the congressional defense committees a re-

1 port comparing the current capabilities of the Department  
2 of Defense to—

3 (1) the requirements described in subsection  
4 (a); and

5 (2) the capabilities deployed by the Department  
6 of Homeland Security and the General Services Ad-  
7 ministration under the Continuous Diagnostics and  
8 Mitigation program across the non-Department of  
9 Defense departments and agencies of the Federal  
10 Government.

11 (c) RISK THRESHOLDS.—The Chief Information Of-  
12 ficer of the Department of Defense, in coordination with  
13 the Principal Cyber Advisor, the Director of Operations  
14 of the Joint Staff, and the Commander of United States  
15 Cyber Command, shall establish risk thresholds for sys-  
16 tems and network operations that, when exceeded, would  
17 trigger heightened security measures, such as enhanced  
18 monitoring and access policy changes.

19 (d) ENTERPRISE GOVERNANCE, RISK, AND COMPLI-  
20 ANCE PLAN.—Not later than 180 days after the date of  
21 the enactment of this Act, the Chief Information Officer  
22 and the Principal Cyber Advisor shall develop a plan to  
23 implement an enterprise governance, risk, and compliance  
24 platform and process to maintain current status of all in-

1 formation and operational technology assets,  
2 vulnerabilities, threats, and mitigations.

3 **SEC. 1634. CYBERSPACE SOLARIUM COMMISSION.**

4 (a) ESTABLISHMENT.—

5 (1) IN GENERAL.—There is established a com-  
6 mission to develop a consensus on a strategic ap-  
7 proach to protecting the crucial advantages of the  
8 United States in cyberspace against the attempts of  
9 adversaries to erode such advantages.

10 (2) DESIGNATION.—The commission estab-  
11 lished under paragraph (1) shall be known as the  
12 “Cyberspace Solarium Commission” (in this section  
13 the “Commission”).

14 (b) MEMBERSHIP.—

15 (1) COMPOSITION.—(A) Subject to subpara-  
16 graph (B), the Commission shall be composed of 13  
17 members, as follows:

18 (i) The Principal Deputy Director of Na-  
19 tional Intelligence.

20 (ii) The Deputy Secretary of Homeland  
21 Security.

22 (iii) The Deputy Secretary of Defense.

23 (iv) Three members appointed by the ma-  
24 jority leader of the Senate, in consultation with  
25 the Chairman of the Committee on Armed

1 Services of the Senate, one of whom shall be a  
2 member of the Senate and two of whom shall  
3 not be.

4 (v) Two members appointed by the minor-  
5 ity leader of the Senate, in consultation with  
6 the Ranking Member of the Committee on  
7 Armed Services of the Senate, one of whom  
8 shall be a member of the Senate and one of  
9 whom shall not be.

10 (vi) Three members appointed by the  
11 Speaker of the House of Representatives, in  
12 consultation with the Chairman of the Com-  
13 mittee on Armed Services of the House of Rep-  
14 resentatives, one of whom shall be a member of  
15 the House of Representatives and two of whom  
16 shall not be.

17 (vii) Two members appointed by the mi-  
18 nority leader of the House of Representatives,  
19 in consultation with the Ranking Member of the  
20 Committee on Armed Services of the House of  
21 Representatives, one of whom shall be a mem-  
22 ber of the House of Representatives and one of  
23 whom shall not be.

24 (B)(i) The members of the Commission who are  
25 not members of Congress and who are appointed



1 under clauses (iv) through (vii) of subparagraph (A)  
2 shall be individuals who are nationally recognized for  
3 expertise, knowledge, or experience in—

4 (I) cyber strategy or national-level strate-  
5 gies to combat long-term adversaries;

6 (II) cyber technology and innovation;

7 (III) use of intelligence information by na-  
8 tional policymakers and military leaders; or

9 (IV) the implementation, funding, or over-  
10 sight of the national security policies of the  
11 United States.

12 (ii) An official who appoints members of the  
13 Commission may not appoint an individual as a  
14 member of the Commission if, in the judgment of  
15 the official, such individual possesses any personal  
16 or financial interest in the discharge of any of the  
17 duties of the Commission.

18 (iii) All members of the Commission described  
19 in clause (i) shall possess an appropriate security  
20 clearance in accordance with applicable provisions of  
21 law concerning the handling of classified informa-  
22 tion.

23 (2) CO-CHAIRS.—(A) The Commission shall  
24 have two co-chairs, selected from among the mem-  
25 bers of the Commission.

1           (B) One co-chair of the Commission shall be a  
2 member of the Democratic Party, and one co-chair  
3 shall be a member of the Republican Party.

4           (C) The individuals who serve as the co-chairs  
5 of the Commission shall be jointly agreed upon by  
6 the President, the majority leader of the Senate, the  
7 minority leader of the Senate, the Speaker of the  
8 House of Representatives, and the minority leader of  
9 the House of Representatives.

10       (c) APPOINTMENT; INITIAL MEETING.—

11           (1) APPOINTMENT.—Members of the Commis-  
12 sion shall be appointed not later than 45 days after  
13 the date of the enactment of this Act.

14           (2) INITIAL MEETING.—The Commission shall  
15 hold its initial meeting on or before the date that is  
16 60 days after the date of the enactment of this Act.

17       (d) MEETINGS; QUORUM; VACANCIES.—

18           (1) IN GENERAL.—After its initial meeting, the  
19 Commission shall meet upon the call of the co-chairs  
20 of the Commission.

21           (2) QUORUM.—Seven members of the Commis-  
22 sion shall constitute a quorum for purposes of con-  
23 ducting business, except that two members of the  
24 Commission shall constitute a quorum for purposes  
25 of receiving testimony.

1           (3) VACANCIES.—Any vacancy in the Commis-  
2           sion shall not affect its powers, but shall be filled in  
3           the same manner in which the original appointment  
4           was made.

5           (4) QUORUM WITH VACANCIES.—If vacancies in  
6           the Commission occur on any day after 45 days  
7           after the date of the enactment of this Act, a  
8           quorum shall consist of a majority of the members  
9           of the Commission as of such day.

10          (e) ACTIONS OF COMMISSION.—

11           (1) IN GENERAL.—The Commission shall act by  
12           resolution agreed to by a majority of the members  
13           of the Commission voting and present.

14           (2) PANELS.—The Commission may establish  
15           panels composed of less than the full membership of  
16           the Commission for purposes of carrying out the du-  
17           ties of the Commission under this title. The actions  
18           of any such panel shall be subject to the review and  
19           control of the Commission. Any findings and deter-  
20           minations made by such a panel shall not be consid-  
21           ered the findings and determinations of the Commis-  
22           sion unless approved by the Commission.

23           (3) DELEGATION.—Any member, agent, or staff  
24           of the Commission may, if authorized by the co-  
25           chairs of the Commission, take any action which the

1 Commission is authorized to take pursuant to this  
2 title.

3 (f) DUTIES.—The duties of the Commission are as  
4 follows:

5 (1) To weigh the costs and benefits of various  
6 strategic options to reach the goal of protecting the  
7 advantages described in subsection (a)(1), including  
8 the political system of the United States, the na-  
9 tional security industrial sector of the United States,  
10 and the innovation base of the United States. The  
11 options to be assessed should include deterrence,  
12 norms-based regimes, and cyber persistence.

13 (2) To review adversarial strategies and inten-  
14 tions, current programs for the protection of advan-  
15 tages described in subsection (a)(1), and the capa-  
16 bilities of the Federal Government to understand if  
17 and how adversaries are currently being deterred or  
18 thwarted in their aims and ambitions.

19 (3) To evaluate the current allocation of re-  
20 sources for understanding adversarial strategies and  
21 intentions and protecting the advantages described  
22 in subsection (a)(1).

23 (4) In weighing the options for protecting ad-  
24 vantages as described in subsection (a)(1), to con-  
25 sider possible structures and authorities that need to

1 be established, revised, or augmented within the  
2 Federal Government.

3 (g) POWERS OF COMMISSION.—

4 (1) IN GENERAL.—(A) The Commission or, on  
5 the authorization of the Commission, any sub-  
6 committee or member thereof, may, for the purpose  
7 of carrying out the provisions of this section—

8 (i) hold such hearings and sit and act at  
9 such times and places, take such testimony, re-  
10 ceive such evidence, and administer such oaths;  
11 and

12 (ii) require, by subpoena or otherwise, the  
13 attendance and testimony of such witnesses and  
14 the production of such books, records, cor-  
15 respondence, memoranda, papers, and docu-  
16 ments, as the Commission or such designated  
17 subcommittee or designated member considers  
18 necessary.

19 (B) Subpoenas may be issued under subpara-  
20 graph (A)(ii) under the signature of the co-chairs of  
21 the Commission, and may be served by any person  
22 designated by such co-chairs.

23 (C) The provisions of sections 102 through 104  
24 of the Revised Statutes of the United States (2  
25 U.S.C. 192–194) shall apply in the case of any fail-

1       ure of a witness to comply with any subpoena or to  
2       testify when summoned under authority of this sec-  
3       tion.

4           (2) CONTRACTING.—The Commission may, to  
5       such extent and in such amounts as are provided in  
6       advance in appropriation Acts, enter into contracts  
7       to enable the Commission to discharge its duties  
8       under this title.

9           (3) INFORMATION FROM FEDERAL AGENCIES.—

10       (A) The Commission may secure directly from any  
11       executive department, agency, bureau, board, com-  
12       mission, office, independent establishment, or instru-  
13       mentality of the Government information, sugges-  
14       tions, estimates, and statistics for the purposes of  
15       this title.

16       (B) Each such department, agency, bureau,  
17       board, commission, office, establishment, or instru-  
18       mentality shall, to the extent authorized by law, fur-  
19       nish such information, suggestions, estimates, and  
20       statistics directly to the Commission, upon request  
21       of the co-chairs of the Commission.

22       (C) The Commission shall handle and protect  
23       all classified information provided to it under this  
24       section in accordance with applicable statutes and  
25       regulations.

1 (4) ASSISTANCE FROM FEDERAL AGENCIES.—

2 (A) The Secretary of Defense shall provide to the  
3 Commission, on a nonreimbursable basis, such ad-  
4 ministrative services, funds, staff, facilities, and  
5 other support services as are necessary for the per-  
6 formance of the Commission's duties under this title.

7 (B) The Director of National Intelligence may  
8 provide the Commission, on a nonreimbursable basis,  
9 with such administrative services, staff, and other  
10 support services as the Commission may request.

11 (C) In addition to the assistance set forth in  
12 paragraphs (1) and (2), other departments and  
13 agencies of the United States may provide the Com-  
14 mission such services, funds, facilities, staff, and  
15 other support as such departments and agencies  
16 consider advisable and as may be authorized by law.

17 (D) The Commission shall receive the full and  
18 timely cooperation of any official, department, or  
19 agency of the United States Government whose as-  
20 sistance is necessary for the fulfillment of the duties  
21 of the Commission under this title, including the  
22 provision of full and current briefings and analyses.

23 (5) PROHIBITION ON WITHHOLDING INFORMA-  
24 TION.—No department or agency of the Government  
25 may withhold information from the Commission on

1 the grounds that providing the information to the  
2 Commission would constitute the unauthorized dis-  
3 closure of classified information or information relat-  
4 ing to intelligence sources or methods.

5 (6) POSTAL SERVICES.—The Commission may  
6 use the United States postal services in the same  
7 manner and under the same conditions as the de-  
8 partments and agencies of the United States.

9 (7) GIFTS.—The Commission may accept, use,  
10 and dispose of gifts or donations of services or prop-  
11 erty in carrying out its duties under this title.

12 (h) STAFF OF COMMISSION.—

13 (1) IN GENERAL.—(A) The co-chairs of the  
14 Commission, in accordance with rules agreed upon  
15 by the Commission, shall appoint and fix the com-  
16 pensation of a staff director and such other per-  
17 sonnel as may be necessary to enable the Commis-  
18 sion to carry out its duties, without regard to the  
19 provisions of title 5, United States Code, governing  
20 appointments in the competitive service, and without  
21 regard to the provisions of chapter 51 and sub-  
22 chapter III of chapter 53 of such title relating to  
23 classification and General Schedule pay rates, except  
24 that no rate of pay fixed under this subsection may  
25 exceed the equivalent of that payable to a person oc-



1       cupying a position at level V of the Executive Sched-  
2       ule under section 5316 of such title.

3               (B) Any Federal Government employee may be  
4       detailed to the Commission without reimbursement  
5       from the Commission, and such detailee shall retain  
6       the rights, status, and privileges of his or her reg-  
7       ular employment without interruption.

8               (C) All staff of the Commission shall possess a  
9       security clearance in accordance with applicable laws  
10      and regulations concerning the handling of classified  
11      information.

12              (2) CONSULTANT SERVICES.—(A) The Commis-  
13      sion may procure the services of experts and consult-  
14      ants in accordance with section 3109 of title 5,  
15      United States Code, but at rates not to exceed the  
16      daily rate paid a person occupying a position at level  
17      IV of the Executive Schedule under section 5315 of  
18      such title.

19              (B) All experts and consultants employed by  
20      the Commission shall possess a security clearance in  
21      accordance with applicable laws and regulations con-  
22      cerning the handling of classified information.

23              (i) COMPENSATION AND TRAVEL EXPENSES.—

24              (1) COMPENSATION.—(A) Except as provided  
25      in paragraph (2), each member of the Commission

1 may be compensated at not to exceed the daily  
2 equivalent of the annual rate of basic pay in effect  
3 for a position at level IV of the Executive Schedule  
4 under section 5315 of title 5, United States Code,  
5 for each day during which that member is engaged  
6 in the actual performance of the duties of the Com-  
7 mission under this title.

8 (B) Members of the Commission who are offi-  
9 cers or employees of the United States or Members  
10 of Congress shall receive no additional pay by reason  
11 of their service on the Commission.

12 (2) TRAVEL EXPENSES.—While away from  
13 their homes or regular places of business in the per-  
14 formance of services for the Commission, members  
15 of the Commission may be allowed travel expenses,  
16 including per diem in lieu of subsistence, in the  
17 same manner as persons employed intermittently in  
18 the Government service are allowed expenses under  
19 section 5703 of title 5, United States Code.

20 (j) TREATMENT OF INFORMATION RELATING TO NA-  
21 TIONAL SECURITY.—

22 (1) IN GENERAL.—(A) The Director of Na-  
23 tional Intelligence shall assume responsibility for the  
24 handling and disposition of any information related  
25 to the national security of the United States that is

1 received, considered, or used by the Commission  
2 under this title.

3 (B) Any information related to the national se-  
4 curity of the United States that is provided to the  
5 Commission by a congressional intelligence commit-  
6 tees or the congressional armed services committees  
7 may not be further provided or released without the  
8 approval of the chairman of such committees.

9 (2) ACCESS AFTER TERMINATION OF COMMIS-  
10 SION.—Notwithstanding any other provision of law,  
11 after the termination of the Commission under sub-  
12 section (k)(2), only the members and designated  
13 staff of the congressional intelligence committees,  
14 the Director of National Intelligence (and the des-  
15 ignees of the Director), and such other officials of  
16 the executive branch as the President may designate  
17 shall have access to information related to the na-  
18 tional security of the United States that is received,  
19 considered, or used by the Commission.

20 (k) FINAL REPORT; TERMINATION.—

21 (1) FINAL REPORT.—Not later than September  
22 1, 2019, the Commission shall submit to the con-  
23 gressional defense committees, the congressional in-  
24 telligence committees, the Director of National Intel-  
25 ligence, and the Secretary of Defense, and the Sec-

1       retary of Homeland Security a final report on the  
2       findings of the Commission.

3           (2) TERMINATION.—(A) The Commission, and  
4       all the authorities of this section, shall terminate at  
5       the end of the 120-day period beginning on the date  
6       on which the final report under paragraph (1) is  
7       submitted to the congressional defense and intel-  
8       ligence committees.

9           (B) The Commission may use the 120-day pe-  
10      riod referred to in paragraph (1) for the purposes of  
11      concluding its activities, including providing testi-  
12      mony to Congress concerning the final report re-  
13      ferred to in that paragraph and disseminating the  
14      report.

15      (1) ASSESSMENTS OF FINAL REPORT.—Not later  
16      than 60 days after receipt of the final report under sub-  
17      section (k)(1), the Director of National Intelligence and  
18      the Secretary of Defense shall each submit to the congres-  
19      sional intelligence committees and the congressional de-  
20      fense committees an assessment by the Director or the  
21      Secretary, as the case may be, of the final report. Each  
22      assessment shall include such comments on the findings  
23      and recommendations contained in the final report as the  
24      Director or Secretary, as the case may be, considers ap-  
25      propriate.

1 (m) INAPPLICABILITY OF CERTAIN ADMINISTRATIVE  
2 PROVISIONS.—

3 (1) FEDERAL ADVISORY COMMITTEE ACT.—The  
4 provisions of the Federal Advisory Committee Act (5  
5 U.S.C. App.) shall not apply to the activities of the  
6 Commission under this section.

7 (2) FREEDOM OF INFORMATION ACT.—The pro-  
8 visions of section 552 of title 5, United States Code  
9 (commonly referred to as the Freedom of Informa-  
10 tion Act), shall not apply to the activities, records,  
11 and proceedings of the Commission under this sec-  
12 tion.

13 (n) FUNDING.—

14 (1) AUTHORIZATION OF APPROPRIATIONS.—  
15 There is authorized to be appropriated \$4,000,000  
16 to carry out this section.

17 (2) AVAILABILITY IN GENERAL.—Subject to  
18 paragraph (1), the Secretary of Defense shall make  
19 available to the Commission such amounts as the  
20 Commission may require for purposes of the activi-  
21 ties of the Commission under this section.

22 (3) DURATION OF AVAILABILITY.—Amounts  
23 made available to the Commission under paragraph  
24 (2) shall remain available until expended.

1 (o) CONGRESSIONAL INTELLIGENCE COMMITTEES  
2 DEFINED.—In this section, the term “congressional intel-  
3 ligence committees” means—

4 (1) the Select Committee on Intelligence of the  
5 Senate; and

6 (2) the Permanent Select Committee on Intel-  
7 ligence of the House of Representatives.

8 **SEC. 1635. PROGRAM TO ESTABLISH CYBER INSTITUTES AT**  
9 **INSTITUTIONS OF HIGHER LEARNING.**

10 (a) PROGRAM AUTHORIZED.—The Secretary of De-  
11 fense may carry out a program to establish a Cyber Insti-  
12 tute at institutions of higher learning selected under sub-  
13 section (b) for purposes of accelerating and focusing the  
14 development of foundational expertise in critical cyber  
15 operational skills for future military and civilian leaders  
16 of the Armed Forces and the Department of Defense, in-  
17 cluding such leaders of the reserve components.

18 (b) SELECTED INSTITUTIONS OF HIGHER LEARN-  
19 ING.—

20 (1) IN GENERAL.—The Secretary of Defense  
21 shall select institutions of higher learning for pur-  
22 poses of the program established under subsection  
23 (a) from among institutions of higher learning that  
24 have a Reserve Officers’ Training Corps program.

1           (2) CONSIDERATION OF SENIOR MILITARY COL-  
2           LEGES.—In selecting institutions of higher learning  
3           under paragraph (1), the Secretary shall consider  
4           the senior military colleges with Reserve Officers'  
5           Training Corps programs.

6           (c) ELEMENTS.—Each institute established under  
7           the program authorized by subsection (a) shall include the  
8           following:

9           (1) Programs to provide future military and ci-  
10          vilian leaders of the Armed Forces or the Depart-  
11          ment of Defense who possess cyber operational ex-  
12          pertise from beginning through advanced skill levels.  
13          Such programs shall include instruction and prac-  
14          tical experiences that lead to recognized certifi-  
15          cations and degrees in the cyber field.

16          (2) Programs of targeted strategic foreign lan-  
17          guage proficiency training for such future leaders  
18          that—

19                 (A) are designed to significantly enhance  
20                 critical cyber operational capabilities; and

21                 (B) are tailored to current and anticipated  
22                 readiness requirements.

23          (3) Programs related to mathematical founda-  
24          tions of cryptography and courses in cryptographic  
25          theory and practice designed to complement and re-

1       inforce cyber education along with the strategic lan-  
2       guage programs critical to cyber operations.

3           (4) Programs related to data science and  
4       courses in data science theory and practice designed  
5       to complement and reinforce cyber education along  
6       with the strategic language programs critical to  
7       cyber operations.

8           (5) Programs designed to develop early interest  
9       and cyber talent through summer programs, dual  
10      enrollment opportunities for cyber, strategic lan-  
11      guage, data science, and cryptography related  
12      courses.

13          (6) Training and education programs to expand  
14      the pool of qualified cyber instructors necessary to  
15      support cyber education in regional school systems.

16      (d) PARTNERSHIPS WITH DEPARTMENT OF DE-  
17      FENSE AND THE ARMED FORCES.—Any institute estab-  
18      lished under the program authorized by subsection (a)  
19      may enter into a partnership with one or more components  
20      of the Armed Forces, active or reserve, or any agency of  
21      the Department of Defense to facilitate the development  
22      of critical cyber skills for students who may pursue a mili-  
23      tary career.

24          (e) PARTNERSHIPS.—Any institute established under  
25      the program authorized by subsection (a) may enter into



1 a partnership with one or more local educational agencies  
2 to facilitate the development of critical cyber skills.

3 (f) SENIOR MILITARY COLLEGES DEFINED.—The  
4 term “senior military colleges” has the meaning given  
5 such term in section 2111a(f) of title 10, United States  
6 Code.

7 **SEC. 1636. ESTABLISHMENT OF CYBERSECURITY FOR DE-**  
8 **FENSE INDUSTRIAL BASE MANUFACTURING**  
9 **ACTIVITY.**

10 (a) ESTABLISHMENT.—

11 (1) AUTHORITY.—The Secretary of Defense  
12 may, in consultation with the Director of the Na-  
13 tional Institute of Standards and Technology, estab-  
14 lish an activity to assess and strengthen the cyberse-  
15 curity resiliency of the defense industrial base of the  
16 United States.

17 (2) DESIGNATION.—The activity that may be  
18 established under paragraph (1) shall be known as  
19 the “Cybersecurity for Defense Industrial Base  
20 Manufacturing Activity”.

21 (b) ACTIVITIES.—If the Secretary of Defense exer-  
22 cises the authority under subsection (a), the Secretary  
23 shall utilize the activity to explore ways to increase the  
24 cybersecurity resilience of the defense industrial supply  
25 chain. Such exploration may include the following:

1           (1) Developing cybersecurity test capabilities to  
2 support identifying and reducing security  
3 vulnerabilities (as defined in section 102 of the Cy-  
4 bersecurity Information Sharing Act of 2015 (6  
5 U.S.C. 1501)) in defense industrial base manufac-  
6 turing processes.

7           (2) Developing in-person and online training to  
8 help small defense industrial base manufacturers im-  
9 prove their cybersecurity.

10           (3) Ensuring that cybersecurity for defense in-  
11 dustrial base manufacturing is included in Depart-  
12 ment of Defense research and development road-  
13 maps and threat assessments.

14           (4) Aggregating, developing, and disseminating  
15 capabilities to address cybersecurity threats that can  
16 be provided to and adopted by defense industrial  
17 base manufacturers of all sizes.

18 **PART II—MITIGATION OF RISKS POSED BY PRO-**  
19 **VIDERS OF INFORMATION TECHNOLOGY**  
20 **WITH OBLIGATIONS TO FOREIGN GOVERN-**  
21 **MENTS**

22 **SEC. 1637. DEFINITIONS.**

23 In this part:

1           (1) APPROPRIATE COMMITTEES OF CONGRESS  
2           DEFINED.—The term “appropriate committees of  
3           Congress” means—

4                   (A) the Committee on Armed Services, the  
5                   Select Committee on Intelligence, and the Com-  
6                   mittee on Homeland Security and Govern-  
7                   mental Affairs of the Senate; and

8                   (B) the Committee on Armed Services, the  
9                   Permanent Select Committee on Intelligence,  
10                  and the Committee on Homeland Security of  
11                  the House of Representatives.

12           (2) INFORMATION TECHNOLOGY.—The term  
13           “information technology” has the meaning given  
14           such term in section 11101 of title 40, United  
15           States Code.

16           (3) NATIONAL SECURITY SYSTEM.—The term  
17           “national security system” has the meaning given  
18           such term in section 3552(b) of title 44, United  
19           States Code.

20 **SEC. 1638. IDENTIFICATION OF COUNTRIES OF CONCERN**  
21 **REGARDING CYBERSECURITY.**

22           (a) IDENTIFICATION OF COUNTRIES OF CONCERN.—  
23           Not later than 180 days after the date of the enactment  
24           of this Act, the Secretary of Defense shall create a

1 prioritized list of countries of concern regarding cyberse-  
2 curity based on information relating to the following:

3           (1) A foreign government's engagement in acts  
4           of violence against personnel of the United States or  
5           coalition forces.

6           (2) A foreign government's willingness and  
7           record of providing financing, logistics, training or  
8           intelligence to other persons, countries or entities  
9           posing a force protection or cybersecurity risk to the  
10          personnel, financial systems, critical infrastructure,  
11          or information systems of the United States or coali-  
12          tion forces.

13          (3) A foreign government's engagement in for-  
14          eign intelligence activities against the United States.

15          (4) A foreign government's direct or indirect  
16          participation in transnational organized crime or  
17          criminal activity.

18          (5) A foreign government's ability and intent to  
19          conduct operations to affect the supply chain of the  
20          United States Government.

21          (b) REPORT TO CONGRESS.—Not later than one year  
22          after the date of the enactment of this Act, the Secretary  
23          shall submit to the appropriate committees of Congress  
24          the list created pursuant to subsection (a) and any accom-

1 panying analysis that contributed to the creation of the  
2 list.

3 **SEC. 1639. MITIGATION OF RISKS TO NATIONAL SECURITY**  
4 **POSED BY PROVIDERS OF INFORMATION**  
5 **TECHNOLOGY PRODUCTS AND SERVICES**  
6 **WHO HAVE OBLIGATIONS TO FOREIGN GOV-**  
7 **ERNMENTS.**

8 (a) **DISCLOSURE REQUIRED.**—The Department of  
9 Defense may not use a product, service, or system relating  
10 to information or operational technology, cybersecurity, an  
11 industrial control system, a weapons system, or computer  
12 antivirus provided by a person unless that person discloses  
13 to the Secretary of Defense the following:

14 (1) Whether the person has allowed a foreign  
15 government to review or access the code of a prod-  
16 uct, system, or service custom-developed for the De-  
17 partment, or is under any obligation to allow a for-  
18 eign person or government to review or access the  
19 code of a product, system, or service custom-devel-  
20 oped for the Department as a condition of entering  
21 into an agreement for sale or other transaction with  
22 a foreign government or with a foreign person on be-  
23 half of such a government.

24 (2) Whether the person has allowed a foreign  
25 government listed in section 1638(a) to review or ac-

1       cess the source code of a product, system, or service  
2       that the Department is using or intends to use, or  
3       is under any obligation to allow a foreign person or  
4       government to review or access the source code of a  
5       product, system, or service that the Department is  
6       using or intends to use as a condition of entering  
7       into an agreement for sale or other transaction with  
8       a foreign government or with a foreign person on be-  
9       half of such a government.

10           (3) In a case in which the person is a United  
11       States person or an affiliate of a United States per-  
12       son, whether or not the person holds or has sought  
13       a license pursuant to the Export Administration  
14       Regulations under subchapter C of chapter VII of  
15       title 15, Code of Federal Regulations, the Inter-  
16       national Traffic in Arms Regulations under sub-  
17       chapter M of chapter I of title 22, Code of Federal  
18       Regulations, or successor regulations, for informa-  
19       tion technology products, components, software, or  
20       services that contain code custom-developed for the  
21       product, system, or service the Department is using  
22       or intends to use.

23           (b) POST PROCUREMENT.—Procurement contracts  
24       for covered products or systems shall include a clause re-  
25       quiring the information contained in subsection (a) be dis-

1 closed during the period of the contract if an entity be-  
2 comes aware of information requiring disclosure as per  
3 that section, including any mitigation measures taken or  
4 anticipated.

5 (c) MITIGATION OF RISKS.—

6 (1) IN GENERAL.—If, after reviewing a disclo-  
7 sure made by a person under subsection (a), the  
8 Secretary determines that the disclosure relating to  
9 a product, system, or service entails a risk to the na-  
10 tional security infrastructure or data of the United  
11 States, or any national security system under the  
12 control of the Department, the Secretary shall take  
13 such measures as the Secretary considers appro-  
14 priate to mitigate such risks, including, as the Sec-  
15 retary considers appropriate, by conditioning any  
16 agreement for the use, procurement, or acquisition  
17 of the product, system, or service on the inclusion of  
18 enforceable conditions or requirements that would  
19 mitigate such risks.

20 (2) THIRD-PARTY TESTING STANDARD.—Not  
21 later than two years after the date of the enactment  
22 of this Act the Secretary shall develop such third-  
23 party testing standard as the Secretary considers ac-  
24 ceptable for commercial off the shelf (COTS) prod-

1       ucts, systems, or services to use when dealing with  
2       foreign governments.

3       (d) EXEMPTION OF DISCLOSURES FROM FREEDOM  
4 OF INFORMATION ACT.—A disclosure under subsection (a)  
5 shall not be subject to section 552 of title 5, United States  
6 Code (commonly referred to as the “Freedom of Informa-  
7 tion Act”), or any other similar provision of Federal or  
8 State law requiring the disclosure of information to the  
9 public.

10 **SEC. 1640. ESTABLISHMENT OF REGISTRY OF DISCLO-**  
11 **SURES.**

12       (a) ESTABLISHMENT OF REGISTRY.—Not later than  
13 one year after the date of the enactment of this Act, the  
14 Secretary of Defense shall—

15           (1) establish within the operational capabilities  
16 of the Committee for National Security Systems  
17 (CNSS) or within such other agency as the Sec-  
18 retary considers appropriate a registry containing  
19 the information disclosed under section 1639; and

20           (2) upon request, make such information avail-  
21 able to any agency conducting a procurement pursu-  
22 ant to the Federal Acquisition Regulations or the  
23 Defense Federal Acquisition Regulations.

24       (b) EXEMPTION OF REGISTRY FROM FREEDOM OF  
25 INFORMATION ACT.—The contents of the registry estab-



1 lished under subsection (a)(1) shall not be subject to sec-  
2 tion 552 of title 5, United States Code (commonly referred  
3 to as the “Freedom of Information Act”), or any other  
4 similar provision of Federal or State law requiring the dis-  
5 closure of information to the public.

6 (c) ANNUAL REPORTS.—Not later than one year  
7 after the date of the enactment of this Act and not less  
8 frequently than once each year thereafter, the Secretary  
9 of Defense shall submit to the appropriate committees of  
10 Congress a report detailing the number, scope, product  
11 classifications, and mitigation agreements related to each  
12 product, system, and service for which a disclosure is  
13 made under section 1639(a).

## 14 **Subtitle D—Nuclear Forces**

### 15 **SEC. 1641. OVERSIGHT AND MANAGEMENT OF THE COM-** 16 **MAND, CONTROL, AND COMMUNICATIONS** 17 **SYSTEM FOR THE NATIONAL LEADERSHIP OF** 18 **THE UNITED STATES.**

19 (a) DESIGNATION OF RESPONSIBLE INDIVIDUAL.—

20 (1) IN GENERAL.—The Secretary of Defense  
21 shall designate a single individual to be responsible  
22 for oversight and strategic portfolio management of  
23 the command, control, and communications system  
24 for the national leadership of the United States (as

1 defined in section 171a of title 10, United States  
2 Code), including—

3 (A) nuclear command, control, and com-  
4 munications;

5 (B) senior leadership communications sys-  
6 tems;

7 (C) integrated tactical warning and attack  
8 assessment systems, processes, and enablers;  
9 and

10 (D) continuity of government functions for  
11 which the Department of Defense is respon-  
12 sible.

13 (2) AUTHORITIES.—Subject to the authority  
14 and direction of the Secretary, the individual des-  
15 ignated under paragraph (1) shall have the authority  
16 to direct the Secretaries of the military departments  
17 and officials in the Office of the Secretary of De-  
18 fense with respect to matters described in paragraph  
19 (1), including—

20 (A) playing a significant and directive role  
21 in the decision processes for all annual and  
22 multi-year planning, programming, budgeting,  
23 and execution decisions, including the authority  
24 to realign the elements of the budgets and  
25 budget requests of the military departments

1           that relate to the matters described in para-  
2           graph (1);

3           (B) ensuring that the military departments  
4           comply with the standards of the Federal Gov-  
5           ernment and the Department of Defense with  
6           respect to matters described in paragraph (1);  
7           and

8           (C) any other authorities that the Sec-  
9           retary of Defense considers necessary.

10          (3) CHAIRPERSON OF COUNCIL ON OVERSIGHT  
11          OF THE NATIONAL LEADERSHIP COMMAND, CON-  
12          TROL, AND COMMUNICATIONS SYSTEM.—The indi-  
13          vidual designated under paragraph (1) shall serve as  
14          the Chairperson of the Council on Oversight of the  
15          National Leadership Command, Control, and Com-  
16          munications System established under section 171a  
17          of title 10, United States Code.

18          (4) STAFF.—The individual designated under  
19          paragraph (1) shall have sufficient dedicated full-  
20          time personnel to carry out the responsibilities of  
21          that individual under this subsection and as Chair-  
22          person of the Council on Oversight of the National  
23          Leadership Command, Control, and Communications  
24          System.

1 (b) MODIFICATIONS TO COUNCIL ON OVERSIGHT OF  
2 THE NATIONAL LEADERSHIP COMMAND, CONTROL, AND  
3 COMMUNICATIONS SYSTEM.—

4 (1) MEMBERSHIP.—Subsection (b) of section  
5 171a of title 10, United States Code, is amended—

6 (A) in paragraph (2), by striking “, Tech-  
7 nology, and Logistics” and inserting “and  
8 Sustainment”;

9 (B) by redesignating paragraphs (3)  
10 through (7) as paragraphs (4) through (8), re-  
11 spectively; and

12 (C) by inserting after paragraph (2) the  
13 following new paragraph (3):

14 “(3) The Under Secretary of Defense for Re-  
15 search and Engineering.”.

16 (2) CHAIRPERSON.—Subsection (c) of such sec-  
17 tion is amended to read as follows:

18 “(c) CHAIRPERSON.—The Chairperson of the Council  
19 (in this section referred to as the ‘Chairperson’) shall be  
20 the individual designated by the Secretary of Defense  
21 under section 1641(a) of the John S. McCain National  
22 Defense Authorization Act for Fiscal Year 2019 as re-  
23 sponsible for oversight and strategic portfolio management  
24 of the command, control, and communications system for  
25 the national leadership of the United States.”.

1           (3) RESPONSIBILITIES.—Subsection (d) of such  
2 section is amended—

3           (A) in paragraph (1), by striking “over-  
4 sight” and inserting “coordination”; and

5           (B) in paragraph (2)—

6           (i) in the matter preceding subpara-  
7 graph (A), by striking “oversight” and in-  
8 serting “coordination”;

9           (ii) in subparagraph (B), by striking  
10 “mitigation” and inserting “recommenda-  
11 tions for mitigation actions”;

12           (iii) by striking subparagraphs (C)  
13 and (D) and inserting the following new  
14 subparagraph (C):

15           “(C) Making recommendations to the  
16 Chairperson with respect to resource  
17 prioritization.”; and

18           (iv) by redesignating subparagraph  
19 (E) as subparagraph (D).

20           (4) ANNUAL REPORTS.—Subsection (e) of such  
21 section is amended, in the matter preceding para-  
22 graph (1), by striking “the Council shall” and in-  
23 serting “the Chairperson shall”.

24           (5) COLLECTION OF ASSESSMENTS ON CERTAIN  
25 THREATS.—Subsection (f) of such section is amend-

1 ed by striking “The Council shall” and inserting  
2 “The Chairperson shall, in consultation with the  
3 Council,”.

4 (6) BUDGET AND FUNDING MATTERS.—Sub-  
5 section (g) of such section is amended—

6 (A) in paragraph (1), in the matter pre-  
7 ceding subparagraph (A), by striking “the  
8 Chairman of the Joint Chiefs of Staff” and in-  
9 serting “the Chairperson”;

10 (B) in paragraph (2)—

11 (i) in the matter preceding subpara-  
12 graph (A), by striking “the Chairman of  
13 the Joint Chiefs of Staff” and inserting  
14 “the Chairperson”; and

15 (ii) by striking “the Chairman” each  
16 place it appears and inserting “the Chair-  
17 person”; and

18 (C) in paragraph (3), by striking “the  
19 Council shall” and inserting “the Chairperson  
20 shall”.

21 (7) REPORTS ON SPACE ARCHITECTURE DEVEL-  
22 OPMENT.—Subsection (i)(1) of such section is  
23 amended by striking “the Under Secretary of De-  
24 fense for Acquisitions, Technology, and Logistics”  
25 and inserting “the Chairperson”.

1           (8) NOTIFICATION OF REDUCTION OF CERTAIN  
2 WARNING TIME.—Subsection (j)(2) of such section is  
3 amended—

4           (A) in the matter preceding subparagraph

5           (A)—

6           (i) in the first sentence, by striking  
7 “the Council” and inserting “the Chair-  
8 person, in consultation with the Council,”;  
9 and

10          (ii) in the second sentence, by striking  
11 “the Council” and inserting “the Chair-  
12 person”; and

13          (B) in subparagraph (C), by striking “the  
14 Council” and inserting “the Chairperson”.

15          (9) STATUS OF ACQUISITION PROGRAMS.—Sub-  
16 section (k) of such section is amended—

17          (A) in paragraph (1), in the matter pre-  
18 ceding subparagraph (A), by striking “the co-  
19 chairs of the Council, acting through the senior  
20 steering group of the Council,” and inserting  
21 “the Chairperson”; and

22          (B) in paragraph (2), in the matter pre-  
23 ceding subparagraph (A), by striking “the co-  
24 chairs of the Council” and inserting “the Chair-  
25 person”.

1 **SEC. 1642. MODIFICATION TO REQUIREMENT FOR CONVEN-**  
2 **TIONAL LONG-RANGE STANDOFF WEAPON.**

3 (a) IN GENERAL.—Section 217(a) of the National  
4 Defense Authorization Act for Fiscal Year 2014 (Public  
5 Law 113–66; 127 Stat. 706) is amended—

6 (1) in paragraph (1)—

7 (A) by striking subparagraph (A); and

8 (B) by redesignating subparagraphs (B)  
9 and (C) as subparagraphs (A) and (B), respec-  
10 tively; and

11 (2) in paragraph (2)—

12 (A) by striking “the Secretary may” and  
13 inserting the following: “the Secretary—

14 “(A) may”;

15 (B) by striking the period at the end and  
16 inserting “; and”; and

17 (C) by adding at the end the following:

18 “(B) shall begin procurement and fielding  
19 of a follow-on air-launched cruise missile to the  
20 AGM–86 for conventional missions not more  
21 than five years after the successful completion  
22 of initial operational test and evaluation for  
23 such a missile for nuclear missions.”.

24 (b) STATEMENT OF POLICY.—It is the policy of the  
25 United States to design and procure the long-range stand-  
26 off weapon to provide a nuclear cruise missile capability



1 to replace the AGM-86 as part of the modernization of  
2 the nuclear triad.

3 **SEC. 1643. EXCHANGE PROGRAM FOR NUCLEAR WEAPONS**  
4 **PROGRAM EMPLOYEES.**

5 (a) PROGRAM AUTHORIZED.—The Chairman of the  
6 Nuclear Weapons Council established under section 179  
7 of title 10, United States Code, and the Administrator for  
8 Nuclear Security, shall jointly establish an exchange pro-  
9 gram under which—

10 (1) the Chairman shall arrange for the tem-  
11 porary assignment of civilian and military personnel  
12 working on nuclear weapons policy, production, and  
13 force structure issues in the Office of the Secretary  
14 of Defense, the Joint Staff, the Navy, or the Air  
15 Force to the Office of the Deputy Administrator for  
16 Defense Programs in the National Nuclear Security  
17 Administration; and

18 (2) the Administrator shall arrange for the tem-  
19 porary assignment of civilian personnel working on  
20 programs related to nuclear weapons in the Office of  
21 the Deputy Administrator for Defense Programs to  
22 the elements of the Department of Defense specified  
23 in paragraph (1).

24 (b) PURPOSES.—The purposes of the exchange pro-  
25 gram established under subsection (a) are—

1           (1) to familiarize personnel from the Depart-  
2           ment of Defense and the National Nuclear Security  
3           Administration with the equities, priorities, proc-  
4           esses, culture, and employees of the other agency;

5           (2) for participants in the exchange program to  
6           return the expertise gained through their exchanges  
7           to their original agencies at the conclusion of their  
8           exchanges; and

9           (3) to improve communication between and in-  
10          tegration of the agencies that support the formation  
11          and oversight of nuclear weapons policy through  
12          lasting relationships across the chain of command.

13          (c) PARTICIPANTS.—

14           (1) NUMBER OF PARTICIPANTS.—The Chair-  
15          man and the Administrator shall each select not  
16          fewer than 5 and not more than 10 participants per  
17          year for participation in the exchange program es-  
18          tablished under subsection (a). The Chairman and  
19          the Administrator may determine how many partici-  
20          pants to select under this paragraph without regard  
21          to the number of participants selected from the  
22          other agency.

23           (2) CRITERIA FOR SELECTION.—

24           (A) IN GENERAL.—The Chairman and the  
25          Administrator shall select participants for the

1 exchange program established under subsection  
2 (a) from among mid-career employees and  
3 based on—

4 (i) the qualifications and desire to  
5 participate in the program of the employee;  
6 and

7 (ii) the technical needs and capacities  
8 of the Department of Defense and the Na-  
9 tional Nuclear Security Administration, as  
10 applicable.

11 (B) DEPARTMENT OF DEFENSE.—In se-  
12 lecting participants from the Department of  
13 Defense for the exchange program established  
14 under subsection (a), the Chairman shall ensure  
15 that there is a mix of military personnel and ci-  
16 vilian employees of the Department.

17 (d) TERMS.—Exchanges pursuant to the exchange  
18 program established under subsection (a) shall be for  
19 terms of one to two years, as determined and negotiated  
20 by the Chairman and the Administrator. Such terms may  
21 begin and end on a rolling basis.

22 (e) GUIDANCE AND IMPLEMENTATION.—

23 (1) GUIDANCE.—Not later than 90 days after  
24 the date of the enactment of this Act, the Chairman  
25 and the Administrator shall jointly develop and sub-

1 mit to the congressional defense committees interim  
2 guidance on the form and contours of the exchange  
3 program established under subsection (a).

4 (2) IMPLEMENTATION.—Not later than 180  
5 days after the date of the enactment of this Act, the  
6 Chairman and the Administrator shall implement  
7 the guidance developed under paragraph (1).

8 **SEC. 1644. PROCUREMENT AUTHORITY FOR CERTAIN**  
9 **PARTS OF INTERCONTINENTAL BALLISTIC**  
10 **MISSILE FUZES.**

11 (a) AVAILABILITY OF FUNDS.—Notwithstanding sec-  
12 tion 1502(a) of title 31, United States Code, of the  
13 amount authorized to be appropriated for fiscal year 2019  
14 by section 101 and available for Missile Procurement, Air  
15 Force, as specified in the funding table in division D,  
16 \$9,841,000 shall be available for the procurement of cov-  
17 ered parts pursuant to contracts entered into under sec-  
18 tion 1645(a) of the Carl Levin and Howard P. “Buck”  
19 McKeon National Defense Authorization Act for Fiscal  
20 Year 2015 (Public Law 113–291; 128 Stat. 3651).

21 (b) COVERED PARTS DEFINED.—In this section, the  
22 term “covered parts” means commercially available off-  
23 the-shelf items as defined in section 104 of title 41, United  
24 States Code.

1 **SEC. 1645. PLAN TO TRAIN OFFICERS IN NUCLEAR COM-**  
2 **MAND, CONTROL, AND COMMUNICATIONS.**

3 (a) IN GENERAL.—The Secretary of Defense shall,  
4 in consultation with the Secretary of the Air Force, the  
5 Secretary of the Navy, and the Chairman of the Joint  
6 Chiefs of Staff, develop a plan to train, educate, manage,  
7 and track officers of the Armed Forces in nuclear com-  
8 mand, control, and communications.

9 (b) ELEMENTS.—The plan required by subsection (a)  
10 shall address—

- 11 (1) manpower requirements at various grades;
- 12 (2) desired career paths and promotion timing;
- 13 and
- 14 (3) any other matters the Secretary of Defense  
15 considers relevant to develop a mature cadre of offi-  
16 cers with nuclear command, control, and commu-  
17 nications expertise.

18 (c) SUBMISSION OF PLAN.—Not later than 180 days  
19 after the date of the enactment of this Act, the Secretary  
20 of Defense shall submit the plan required by subsection  
21 (a) to the Committee on Armed Services of the Senate  
22 and the Committee on Armed Services of the House of  
23 Representatives.

24 (d) IMPLEMENTATION.—The plan required by sub-  
25 section (a) shall be implemented not later than 18 months  
26 after the date of the enactment of this Act.

1 **SEC. 1646. PLAN FOR ALIGNMENT OF ACQUISITION OF**  
2 **WARHEAD LIFE EXTENSION PROGRAMS AND**  
3 **DELIVERY VEHICLES FOR SUCH WARHEADS.**

4 Not later than February 15, 2019, the Chairman of  
5 the Nuclear Weapons Council established under section  
6 179 of title 10, United States Code, shall submit to the  
7 congressional defense committees a plan containing a pro-  
8 posal for better aligning the acquisition of warhead life  
9 extension programs by the National Nuclear Security Ad-  
10 ministration with the acquisition of the planned delivery  
11 vehicles for such warheads by the Department of Defense.

12 **SEC. 1647. EXTENSION OF ANNUAL REPORT ON PLAN FOR**  
13 **THE NUCLEAR WEAPONS STOCKPILE, NU-**  
14 **CLEAR WEAPONS COMPLEX, NUCLEAR WEAP-**  
15 **ONS DELIVERY SYSTEMS, AND NUCLEAR**  
16 **WEAPONS COMMAND AND CONTROL SYSTEM.**

17 Section 1043 of the National Defense Authorization  
18 Act for Fiscal Year 2012 (Public Law 112–81; 125 Stat.  
19 1576), as most recently amended by section 1665 of the  
20 National Defense Authorization Act for Fiscal Year 2018  
21 (Public Law 115–91), is further amended in subsection  
22 (a)(1) by striking “2019” and inserting “2024”.

1 **SEC. 1648. PROHIBITION ON USE OF FUNDS FOR ACTIVI-**  
2 **TIES TO MODIFY UNITED STATES AIRCRAFT**  
3 **TO IMPLEMENT OPEN SKIES TREATY.**

4 (a) IN GENERAL.—None of the funds authorized to  
5 be appropriated by this Act or otherwise made available  
6 for fiscal year 2019 for research, development, test, and  
7 engineering or aircraft procurement, Air Force, for the  
8 digital visual imaging system may be obligated or ex-  
9 pended to carry out any activities to modify any United  
10 States aircraft for purposes of implementing the Open  
11 Skies Treaty until—

12 (1) the Secretary of Defense submits to the ap-  
13 propriate congressional committees the certification  
14 described in paragraph (2) of section 1235(b) of the  
15 National Defense Authorization Act for Fiscal Year  
16 2018 (Public Law 115–91); and

17 (2) the President submits to the appropriate  
18 congressional committees the certification described  
19 in paragraph (3) of such section.

20 (b) DEFINITIONS.—In this section:

21 (1) APPROPRIATE CONGRESSIONAL COMMIT-  
22 TEES.—The term “appropriate congressional com-  
23 mittees” means—

24 (A) the congressional defense committees;  
25 and

1 (B) the Committee on Foreign Relations of  
2 the Senate and the Committee on Foreign Af-  
3 fairs of the House of Representatives.

4 (2) OPEN SKIES TREATY.—The term “Open  
5 Skies Treaty” means the Treaty on Open Skies,  
6 done at Helsinki March 24, 1992, and entered into  
7 force January 1, 2002.

8 **SEC. 1649. SENSE OF SENATE ON NUCLEAR POSTURE RE-**  
9 **VIEW.**

10 (a) FINDINGS.—Congress makes the following find-  
11 ings:

12 (1) Secretary of Defense James Mattis said in  
13 his opening statement before the Committee on  
14 Armed Services of the House of Representatives on  
15 February 6, 2018, “Maintaining an effective nuclear  
16 deterrent is much less expensive than fighting a war  
17 that we were unable to deter.”.

18 (2) In the same statement, Secretary Mattis  
19 said, “Recapitalizing the nuclear weapons complex of  
20 laboratories and plants is also long past due . . .  
21 Due to consistent underfunding, significant and sus-  
22 tained investments will be required over the coming  
23 decade to ensure that the National Nuclear Security  
24 Administration will be able to deliver at the rate



1 needed to support nuclear deterrence into the 2030s  
2 and beyond.”.

3 (3) Former Secretary of Defense Ash Carter re-  
4 cently wrote that “it is essential to recapitalize the  
5 nuclear Triad, because it is the bedrock of deter-  
6 rence. During the past 25 years, the United States  
7 has made no major new investments in its nuclear  
8 forces, yet other countries have conducted vigorous  
9 buildups. This history does not support the conten-  
10 tion that U.S. investments fuel the nuclear programs  
11 of others. My views are reflected in the latest Nu-  
12 clear Posture Review.”.

13 (4) Former Under Secretary of Defense for  
14 Policy Jim Miller recently wrote, “Secretary of De-  
15 fense Jim Mattis’s 2018 Nuclear Posture Review of-  
16 fers continuity with past U.S. policy and plans, in-  
17 cluding those in the 2010 NPR. It deserves broad  
18 bipartisan support.”.

19 (5) The Foreign Minister of Japan, Taro Kono,  
20 said in a statement on February 3, 2018, “Japan  
21 highly appreciates the latest NPR which clearly ar-  
22 ticulates the U.S. resolve to ensure the effectiveness  
23 of its deterrence and its commitment to providing  
24 extended deterrence to its allies including Japan, in  
25 light of the international security environment which

1 has been rapidly worsened since the release of the  
2 previous 2010 NPR, in particular, by continued de-  
3 velopment of North Korea’s nuclear and missile pro-  
4 grams.”.

5 (6) In testimony before the Committee on  
6 Armed Services of the Senate on April 30, 2018,  
7 Secretary of Defense Jim Mattis said, “Modernizing  
8 the nation’s nuclear deterrent delivery systems and  
9 our nuclear command and control is the [Depart-  
10 ment of Defense’s] top priority.”.

11 (b) SENSE OF THE SENATE.—It is the sense of the  
12 Senate that—

13 (1) the 2018 Nuclear Posture Review is a  
14 measured and appropriate response to the current  
15 security environment, taking into account the devel-  
16 opments in other nuclear weapons states such as the  
17 People’s Republic of China and the Russian Federa-  
18 tion and the return to great power competition as  
19 identified by two successive Secretaries of Defense  
20 and outlined in the 2018 National Defense Strategy;

21 (2) Congress should fully fund the complete nu-  
22 clear modernization program of the Department of  
23 Defense, including the Columbia-class submarine,  
24 the Ground-Based Strategic Deterrent, the B-21  
25 long-range bomber, the Long-Range Stand-Off

1        weapon, the re-engining of the B-52H bomber, and  
2        dual-capable aircraft;

3            (3) the Department of Defense should organize  
4        itself appropriately to engineer, acquire, and operate  
5        nuclear command, control, and communications sys-  
6        tems that are secure, reliable, and modernized;

7            (4) Congress should fully fund the National  
8        Nuclear Security Administration component of the  
9        nuclear modernization program, including—

10            (A) the existing warhead life extension pro-  
11        grams and major alterations, including the  
12        W76-2 warhead modification program and the  
13        W80-4 life extension program; and

14            (B) the recapitalization of infrastructure  
15        for production and processing of plutonium  
16        pits, uranium, tritium, lithium, and trusted  
17        strategic radiation-hardened microelectronics;

18            (5) in order to execute the programs described  
19        in this subsection in the timely fashion required by  
20        the Nuclear Posture Review, the National Nuclear  
21        Security Administration must balance workload, im-  
22        prove management of large programs, and better in-  
23        tegrate its acquisition programs with those of the  
24        Department of Defense;

1           (6) the United States maintains a steadfast  
2           commitment to the policy of extended deterrence in  
3           Europe and East Asia, and the nuclear moderniza-  
4           tion program will ensure that commitment remains  
5           credible;

6           (7) the United States should continue to honor  
7           long-held arms control, nonproliferation, and nuclear  
8           security commitments, and should seek to increase  
9           transparency and predictability through strategic  
10          dialogue, risk-reduction communication channels,  
11          and the sharing of best practices;

12          (8) when complied with by all parties, effective  
13          nuclear nonproliferation and arms control measures  
14          and agreements can support the security of the  
15          United States and countries that are allies or part-  
16          ners of the United States by—

17                 (A) controlling the spread of nuclear mate-  
18                 rials, technology, and expertise;

19                 (B) decreasing the risk of misperception  
20                 and miscalculation; and

21                 (C) avoiding destabilizing nuclear arms  
22                 competition; and

23          (9) the United States should continue to affirm  
24          its commitments to arms control efforts that ad-  
25          vance the security of the United States and coun-

1 tries that are allies or partners of the United States,  
2 and are verifiable and enforceable, including the  
3 Treaty between the United States of America and  
4 the Russian Federation on Measures for the Further  
5 Reduction and Limitation of Strategic Offensive  
6 Arms, signed on April 8, 2010, and entered into  
7 force on February 5, 2011 (commonly known as the  
8 “New START Treaty”), which is in effect through  
9 February 2021, and with mutual agreement may be  
10 extended for up to five years.

11 **Subtitle E—Missile Defense**  
12 **Programs**

13 **SEC. 1651. EXTENSION OF PROHIBITION RELATING TO MIS-**  
14 **SILE DEFENSE INFORMATION AND SYSTEMS.**

15 Section 130h(e) of title 10, United States Code, is  
16 amended by striking “January 1, 2019” and inserting  
17 “January 1, 2021”.

18 **SEC. 1652. MULTIYEAR PROCUREMENT AUTHORITY FOR**  
19 **STANDARD MISSILE-3 IB GUIDED MISSILES.**

20 (a) **AUTHORITY FOR MULTIYEAR PROCUREMENT.—**  
21 Subject to section 2306b of title 10, United States Code,  
22 the Secretary of Defense may enter into one or more  
23 multiyear contracts, beginning with the fiscal year 2019  
24 program year, for the procurement of Standard Missile-  
25 3 Block IB guided missiles.

1 (b) AUTHORITY FOR ADVANCE PROCUREMENT.—The  
2 Secretary may enter into one or more contracts for ad-  
3 vance procurement associated with the missiles for which  
4 authorization to enter into a multiyear procurement con-  
5 tract is provided under subsection (a).

6 (c) COST ANALYSIS REQUIREMENT.—The Secretary  
7 may not exercise the authority provided under subsection  
8 (a) or (b) until the Secretary submits to the congressional  
9 defense committees the report and confirmation required  
10 under subparagraphs (A) and (B), respectively, of section  
11 2306b(i)(2) of title 10, United States Code.

12 (d) CONDITION FOR OUT-YEAR CONTRACT PAY-  
13 MENTS.—A contract entered into under subsection (a)  
14 shall provide that any obligation of the United States to  
15 make a payment under the contract for a fiscal year after  
16 fiscal year 2019 is subject to the availability of appropria-  
17 tions for that purpose for such later fiscal year.

18 **SEC. 1653. EXTENSION OF REQUIREMENT FOR REPORTS ON**  
19 **UNFUNDED PRIORITIES OF MISSILE DE-**  
20 **FENSE AGENCY.**

21 Section 1696 of the National Defense Authorization  
22 Act for Fiscal Year 2017 (130 Stat. 2638; Public Law  
23 114–328) is amended—

24 (1) in subsection (a)—

1 (A) by striking “Not later than” and in-  
2 serting “Each year, not later than”

3 (B) by striking “for each of fiscal years  
4 2018 and 2019”; and

5 (2) in subsection (c), by striking “the budget  
6 if” and all that follows through the period at the end  
7 and inserting “the budget if additional resources had  
8 been available for the budget to fund the program,  
9 activity, or mission requirement.”.

10 **SEC. 1654. IRON DOME SHORT-RANGE ROCKET DEFENSE**  
11 **SYSTEM AND ISRAELI COOPERATIVE MISSILE**  
12 **DEFENSE PROGRAM CO-DEVELOPMENT AND**  
13 **CO-PRODUCTION.**

14 (a) IRON DOME SHORT-RANGE ROCKET DEFENSE  
15 SYSTEM.—

16 (1) AVAILABILITY OF FUNDS.—Of the funds  
17 authorized to be appropriated by this Act or other-  
18 wise made available for fiscal year 2019 for procure-  
19 ment, Defense-wide, and available for the Missile  
20 Defense Agency, not more than \$70,000,000 may be  
21 provided to the Government of Israel to procure  
22 components for the Iron Dome short-range rocket  
23 defense system through co-production of such com-  
24 ponents in the United States by industry of the  
25 United States.

1 (2) CONDITIONS.—

2 (A) AGREEMENT.—Funds described in  
3 paragraph (1) for the Iron Dome short-range  
4 rocket defense program shall be available sub-  
5 ject to the terms and conditions in the Agree-  
6 ment Between the Department of Defense of  
7 the United States of America and the Ministry  
8 of Defense of the State of Israel Concerning  
9 Iron Dome Defense System Procurement,  
10 signed on March 5, 2014, as amended to in-  
11 clude co-production for Tamir interceptors.

12 (B) CERTIFICATION.—Not later than 30  
13 days prior to the initial obligation of funds de-  
14 scribed in paragraph (1), the Director of the  
15 Missile Defense Agency and the Under Sec-  
16 retary of Defense for Acquisition and  
17 Sustainment shall jointly submit to the appro-  
18 priate congressional committees—

19 (i) a certification that the amended bi-  
20 lateral international agreement specified in  
21 subparagraph (A) is being implemented as  
22 provided in such agreement; and

23 (ii) an assessment detailing any risks  
24 relating to the implementation of such  
25 agreement.



1 (b) ISRAELI COOPERATIVE MISSILE DEFENSE PRO-  
2 GRAM, DAVID'S SLING WEAPON SYSTEM CO-PRODUC-  
3 TION.—

4 (1) IN GENERAL.—Subject to paragraph (2), of  
5 the funds authorized to be appropriated for fiscal  
6 year 2019 for procurement, Defense-wide, and avail-  
7 able for the Missile Defense Agency not more than  
8 \$50,000,000 may be provided to the Government of  
9 Israel to procure the David's Sling Weapon System,  
10 including for co-production of parts and components  
11 in the United States by United States industry.

12 (2) CERTIFICATION.—The Under Secretary of  
13 Defense for Acquisition and Sustainment shall sub-  
14 mit to the appropriate congressional committees a  
15 certification that—

16 (A) the Government of Israel has dem-  
17 onstrated the successful completion of the  
18 knowledge points, technical milestones, and pro-  
19 duction readiness reviews required by the re-  
20 search, development, and technology agreement  
21 and the bilateral co-production agreement for  
22 the David's Sling Weapon System;

23 (B) funds specified in paragraph (1) will  
24 be provided on the basis of a one-for-one cash  
25 match made by Israel or in another matching

1 amount that otherwise meets best efforts (as  
2 mutually agreed to by the United States and  
3 Israel); and

4 (C) the level of co-production of parts,  
5 components, and all-up rounds (if appropriate)  
6 in the United States by United States industry  
7 for the David's Sling Weapon System is not less  
8 than 50 percent.

9 (c) ISRAELI COOPERATIVE MISSILE DEFENSE PRO-  
10 GRAM, ARROW 3 UPPER TIER INTERCEPTOR PROGRAM  
11 CO-PRODUCTION.—

12 (1) IN GENERAL.—Subject to paragraph (2), of  
13 the funds authorized to be appropriated for fiscal  
14 year 2019 for procurement, Defense-wide, and avail-  
15 able for the Missile Defense Agency not more than  
16 \$80,000,000 may be provided to the Government of  
17 Israel for the Arrow 3 Upper Tier Interceptor Pro-  
18 gram, including for co-production of parts and com-  
19 ponents in the United States by United States in-  
20 dustry.

21 (2) CERTIFICATION.—Except as provided by  
22 paragraph (3), the Under Secretary of Defense for  
23 Acquisition and Sustainment shall submit to the ap-  
24 propriate congressional committees a certification  
25 that—

1 (A) the Government of Israel has dem-  
2 onstrated the successful completion of the  
3 knowledge points, technical milestones, and pro-  
4 duction readiness reviews required by the re-  
5 search, development, and technology agree-  
6 ments for the Arrow 3 Upper Tier Interceptor  
7 Program;

8 (B) funds specified in paragraph (1) will  
9 be provided on the basis of a one-for-one cash  
10 match made by Israel or in another matching  
11 amount that otherwise meets best efforts (as  
12 mutually agreed to by the United States and  
13 Israel);

14 (C) the United States has entered into a  
15 bilateral international agreement with Israel  
16 that establishes, with respect to the use of such  
17 funds—

18 (i) in accordance with subparagraph  
19 (D), the terms of co-production of parts  
20 and components on the basis of the great-  
21 est practicable co-production of parts, com-  
22 ponents, and all-up rounds (if appropriate)  
23 by United States industry and minimizes  
24 nonrecurring engineering and facilitization

1 expenses to the costs needed for co-produc-  
2 tion;

3 (ii) complete transparency on the re-  
4 quirement of Israel for the number of  
5 interceptors and batteries that will be pro-  
6 cured, including with respect to the pro-  
7 curement plans, acquisition strategy, and  
8 funding profiles of Israel;

9 (iii) technical milestones for co-pro-  
10 duction of parts and components and pro-  
11 curement;

12 (iv) a joint affordability working  
13 group to consider cost reduction initiatives;  
14 and

15 (v) joint approval processes for third-  
16 party sales; and

17 (D) the level of co-production described in  
18 subparagraph (C)(i) for the Arrow 3 Upper  
19 Tier Interceptor Program is not less than 50  
20 percent.

21 (3) WAIVER.—The Under Secretary may waive  
22 the certification required by paragraph (2) if the  
23 Under Secretary certifies to the appropriate congress-  
24 sional committees that the Under Secretary has re-

1       ceived sufficient data from the Government of Israel  
2       to demonstrate—

3               (A) the funds specified in paragraph (1)  
4               are provided to Israel solely for funding the  
5               procurement of long-lead components and crit-  
6               ical hardware in accordance with a production  
7               plan, including a funding profile detailing  
8               Israeli contributions for production, including  
9               long-lead production, of the Arrow 3 Upper  
10              Tier Interceptor Program;

11             (B) such long-lead components have suc-  
12             cessfully completed knowledge points, technical  
13             milestones, and production readiness reviews;  
14             and

15             (C) the long-lead procurement will be con-  
16             ducted in a manner that maximizes co-produc-  
17             tion in the United States without incurring  
18             nonrecurring engineering activity or cost other  
19             than such activity or cost required for suppliers  
20             of the United States to start or restart produc-  
21             tion in the United States.

22       (d) NUMBER.—In carrying out paragraph (2) of sub-  
23       section (b) and paragraph (2) of subsection (c), the Under  
24       Secretary may submit—

1           (1) one certification covering both the David's  
2           Sling Weapon System and the Arrow 3 Upper Tier  
3           Interceptor Program; or

4           (2) separate certifications for each respective  
5           system.

6           (e) **TIMING.**—The Under Secretary shall submit to  
7           the congressional defense committees the certifications  
8           under paragraph (2) of subsection (b) and paragraph (2)  
9           of subsection (c) by not later than 60 days before the  
10          funds specified in paragraph (1) of subsections (b) and  
11          (c) for the respective system covered by the certification  
12          are provided to the Government of Israel.

13          (f) **APPROPRIATE CONGRESSIONAL COMMITTEES DE-**  
14          **FINED.**—In this section, the term “appropriate congres-  
15          sional committees” means the following:

16                 (1) The congressional defense committees.

17                 (2) The Committee on Foreign Relations of the  
18                 Senate and the Committee on Foreign Affairs of the  
19                 House of Representatives.

20          **SEC. 1655. METRICS FOR EVALUATING EFFECTIVENESS OF**  
21                         **INTEGRATED BALLISTIC MISSILE DEFENSE**  
22                         **SYSTEM AGAINST OPERATIONALLY REAL-**  
23                         **ISTIC BALLISTIC MISSILE ATTACKS.**

24           (a) **DEVELOPMENT OF METRICS REQUIRED.**—The  
25          Director of the Missile Defense Agency shall, in coordina-

1 tion with the Director of Operational Test and Evaluation,  
2 the Director of the Ballistic Missile Defense System Oper-  
3 ational Test Agency, the Commander of the Joint Forces  
4 Combatant Command-Integrated Missile Defense, the  
5 service acquisition executives (as defined in section 101  
6 of title 10, United States Code), and the commanders of  
7 the combatant commands, develop operationally relevant  
8 metrics for evaluating the effectiveness of the integrated  
9 Ballistic Missile Defense System (BMDS) and its compo-  
10 nents and elements against operationally realistic ballistic  
11 missile attacks into areas defended by United States com-  
12 batant commands.

13 (b) INCORPORATION OF METRICS INTO ANNUAL RE-  
14 PORTS.—Beginning in February 2019, the Director of the  
15 Missile Defense Agency shall incorporate the metrics de-  
16 veloped under subsection (a) into the annual reports of  
17 the Director to the congressional defense committees, in-  
18 cluding an assessment of progress against such metrics  
19 on the acquisition baseline of the Missile Defense Agency.

20 (c) LIMITATION.—Of the funds authorized to be ap-  
21 propriated for fiscal year 2019 by this Act and available  
22 for the Command and Control, Battle Management and  
23 Communications (C2BMC) program, not more than 50  
24 percent may be obligated or expended until the Director  
25 develops the metrics required by subsection (a).

1 **SEC. 1656. MODIFICATION OF REQUIREMENT RELATING TO**  
2 **TRANSITION OF BALLISTIC MISSILE DEFENSE**  
3 **PROGRAMS TO MILITARY DEPARTMENTS.**

4 Section 1676(b)(2) of the National Defense Author-  
5 ization Act for Fiscal Year 2018 (Public Law 115–91) is  
6 amended by inserting “or equivalent approval” before the  
7 period at the end.

8 **SEC. 1657. SENSE OF THE SENATE ON ACCELERATION OF**  
9 **MISSILE DEFENSE CAPABILITIES.**

10 (a) SENSE OF THE SENATE.—It is the sense of the  
11 Senate that the Missile Defense Agency should—

12 (1) accelerate the fielding, if technically fea-  
13 sible, of the planned additional 20 ground-based  
14 interceptors with Redesigned Kill Vehicles (RKV) at  
15 Missile Field 4 at Fort Greely, Alaska, and to mate  
16 the Redesigned Kill Vehicles with the newest booster  
17 technology;

18 (2) weigh the rapid growth in missile and nu-  
19 clear threats against the cost and risk of accel-  
20 erating the Redesigned Kill Vehicle and the Multi-  
21 Object Kill Vehicle development and deployment;

22 (3) ensure, prior to its operational deployment,  
23 that the Redesigned Kill Vehicle has demonstrated  
24 the ability to accomplish its intended mission  
25 through a successful, operationally realistic flight  
26 test;



1           (4) rapidly develop and deploy a persistent,  
2 space-based sensor architecture to ensure our missile  
3 defenses are more effective against ballistic missile  
4 threats and more responsive to new and emergent  
5 threats from hypersonic and cruise missiles;

6           (5) pursue innovative concepts for existing tech-  
7 nologies, such as a missile defense role for the F-  
8 35 aircraft; and

9           (6) invest in advanced technologies, such as  
10 boost-phase warning, tracking, and intercept.

11 (b) REPORT.—

12           (1) IN GENERAL.—Not later than 180 days  
13 after the date of the enactment of this Act, the Di-  
14 rector of the Missile Defense Agency shall submit to  
15 the congressional defense committees a report on  
16 ways the Missile Defense Agency can accelerate the  
17 construction of Missile Field 4 at Fort Greely, Alas-  
18 ka, as well as the deployment of 20 ground-based  
19 interceptors with Redesigned Kill Vehicles (RKV) at  
20 such missile field, by at least one year.

21           (2) CONTENTS.—The report required by para-  
22 graph (1) shall include the following:

23                   (A) A threat-based description of the bene-  
24 fits and risks of accelerating the construction  
25 and deployment referred to in paragraph (1).

1           (B) A description of the technical and ac-  
2           quisition risks and potential effects on the reli-  
3           ability of the Redesigned Kill Vehicle if deploy-  
4           ment is accelerated as described in paragraph  
5           (1).

6           (C) A description of the cost implications  
7           of accelerating the construction and deployment  
8           referred to in paragraph (1).

9           (D) A description of the effect such accel-  
10          eration would have on the Redesigned Kill Vehi-  
11          cle flight test schedule and the overall Inte-  
12          grated Master Test Plan.

13          (E) A description of the effect that the ac-  
14          celeration described in paragraph (1) would  
15          have on re-tipping currently deployed  
16          exoatmospheric kill vehicles with the Redesigned  
17          Kill Vehicle.

18          (F) A description of how such acceleration  
19          would align with the deployment of the long  
20          range discrimination radar and the homeland  
21          defense radar-Hawaii.

22          (G) A cost-benefit analysis and a feasibility  
23          assessment for construction of a fifth missile  
24          field at Fort Greely, Alaska.

1           (3) FORM.—The report required by paragraph  
2           (1) shall be submitted in unclassified form, but may  
3           include a classified annex.

4 **SEC. 1658. INTEGRATED AIR AND MISSILE DEFENSE FOR**  
5 **EVOLVING THEATER MISSILE THREATS.**

6           (a) SENSE OF THE SENATE.—It is the Sense of the  
7 Senate that—

8           (1) the United States should utilize regional  
9           missile defense assets to counter and deter against  
10          cruise, short-to-medium-range ballistic, and  
11          hypersonic missile threats;

12          (2) the United States should continue to rapidly  
13          work toward the interoperability of all United States  
14          missile defense systems for a more effective layered  
15          defense; and

16          (3) the United States Army should increase its  
17          attention, focus, and resources developing an inte-  
18          grated air-and-missile defense architecture to protect  
19          both land and air forces from cruise, short-to-me-  
20          dium-range ballistic, and hypersonic missile threats.

21          (b) REPORT.—

22           (1) IN GENERAL.—Not later than 90 days after  
23           the date of the enactment of this Act, if consistent  
24           with the direction or recommendations of the Missile  
25           Defense Review that commenced in 2017, the Sec-

1       retary of Defense shall submit to the congressional  
2       defense committees a report on the Department's  
3       plan for the creation of a fully interoperable and in-  
4       tegrated air and missile defense architecture.

5               (2) ELEMENTS.—Elements of the report re-  
6       quired by paragraph (1) are as follows:

7               (A) An intelligence assessment of cruise,  
8       short-to-medium-range ballistic, and hypersonic  
9       missile threats to the United States and its de-  
10      ployed forces.

11              (B) An examination of current United  
12      States capabilities to defeat the threats included  
13      in the report required by subparagraph (A) and  
14      an analysis of the existing capability and re-  
15      source gaps.

16              (C) An analysis of the level of integration  
17      and interoperability of United States missile de-  
18      fense systems and the future requirements  
19      needed to become fully integrated and inter-  
20      operable to defeat the threats included in the  
21      report required by subparagraph (A).

22              (D) A description of the current state of  
23      survivability of United States missile defense  
24      systems against the full spectrum of air and

1 missile threats from near-peer threats and any  
2 planned efforts to increase survivability.

3 (3) FORM.—The report required by paragraph  
4 (1) shall be submitted in unclassified form, but may  
5 include a classified annex.

6 **SEC. 1659. ACCELERATION OF HYPERSONIC MISSILE DE-**  
7 **FENSE PROGRAM.**

8 (a) ACCELERATION OF PROGRAM.—The Director of  
9 the Missile Defense Agency shall accelerate the hypersonic  
10 missile defense program of the Missile Defense Agency.

11 (b) DEPLOYMENT.—The Director shall deploy such  
12 program in conjunction with a persistent space-based mis-  
13 sile defense sensor program.

14 (c) REPORT.—

15 (1) IN GENERAL.—Not later than 90 days after  
16 the date of the enactment of this Act, the Director  
17 shall submit to the congressional defense committees  
18 a report on how hypersonic missile defense can be  
19 accelerated to meet emerging hypersonic threats.

20 (2) CONTENTS.—The report submitted under  
21 paragraph (1) shall include the following:

22 (A) An estimate of the cost of such accel-  
23 eration.

24 (B) The technical requirements and acqui-  
25 sition plan needed for the Director to develop

1           and deploy a hypersonic missile defense pro-  
2           gram.

3                   (C) A testing campaign plan that acceler-  
4           ates the delivery of hypersonic defense systems  
5           to the warfighter.

6           (3) FORM.—The report required by paragraph  
7           (1) shall be submitted in unclassified form, but may  
8           include a classified annex.

9   **SEC. 1660. SENSE OF THE SENATE ON ALLIED PARTNER-**  
10                   **SHIPS FOR MISSILE DEFENSE.**

11           It is the sense of the Senate that—

12                   (1) the United States should seek additional op-  
13           portunities, at the tactical, operational, and strategic  
14           levels, to provide missile defense capabilities, doc-  
15           trine, interoperability, and planning to allies and  
16           trusted partners of the United States;

17                   (2) an expedited foreign military sales arrange-  
18           ment would be beneficial in delivering such missile  
19           defenses to allies and trusted partners; and

20                   (3) it is important to continue to work with al-  
21           lies and trusted partners, such as Israel, to learn  
22           from their experience deploying successful missile  
23           defense technologies.

1 **SEC. 1660A. SENSE OF THE SENATE ON RESULTS OF TESTS**  
2 **CARRIED OUT BY MISSILE DEFENSE AGENCY.**

3 It is the sense of the Senate that—

4 (1) tests carried out by the Missile Defense  
5 Agency, which do not achieve an intercept or the  
6 main objective, should not be considered failures;

7 (2) the Missile Defense Agency—in an effort to  
8 deliver capabilities at the speed of relevance—should  
9 recognize the learning value of individual advance-  
10 ments made by all test events, rather than viewing  
11 any total outcome as an indication of the reliability  
12 of entire missile defense systems;

13 (3) the Missile Defense Agency should, as part  
14 of its test program, continue to build an independ-  
15 ently accredited modeling and simulation element to  
16 better inform missile defense performance assess-  
17 ments and test criteria; and

18 (4) the Missile Defense Agency should continue  
19 to pursue an increasingly rigorous testing regime, in  
20 coordination with the Office of the Director, Oper-  
21 ational Test and Evaluation, to more rapidly deliver  
22 capabilities to the warfighter as the threat evolves.

23 **SEC. 1660B. SENSE OF THE SENATE ON DISCRIMINATION**  
24 **FOR MISSILE DEFENSE.**

25 (a) SENSE OF THE SENATE.—It is the sense of the  
26 Senate that prioritizing discrimination capabilities to im-

1 prove missile defense effectiveness against current and fu-  
2 ture threats is critically important.

3 (b) REPORT.—

4 (1) IN GENERAL.—Not later than 90 days after  
5 the date of the enactment of this Act, the Director  
6 of the Missile Defense Agency shall submit to the  
7 congressional defense committees a report on the fol-  
8 lowing:

9 (A) Needed discrimination improvements  
10 within the missile defense architecture.

11 (B) The Missile Defense Agency’s plan to  
12 rapidly field advanced discrimination capabili-  
13 ties.

14 (C) An analysis of efforts to address dis-  
15 crimination challenges against emerging adver-  
16 sary threats, including hypersonic and cruise  
17 missiles.

18 (2) FORM.—The report required by paragraph  
19 (1) shall be submitted in unclassified form, but may  
20 include a classified annex.

21 **SEC. 1660C. DEVELOPMENT AND DEPLOYMENT OF PER-**  
22 **SISTENT SPACE-BASED SENSOR ARCHITEC-**  
23 **TURE.**

24 (a) DISSOCIATION WITH BALLISTIC MISSILE DE-  
25 FENSE REVIEW.—Subsection (a) of section 1683 of the



1 National Defense Authorization Act for Fiscal Year 2018  
2 (Public Law 115–91) is amended by striking “If con-  
3 sistent” and all that follows through “develop” and insert-  
4 ing “Not later than December 31, 2018, the Director of  
5 the Missile Defense Agency shall, in coordination with the  
6 Secretary of the Air Force and the Director of the Defense  
7 Advanced Research Projects Agency, commence devel-  
8 oping”.

9 (b) DEPLOYMENT DEADLINE.—Such subsection is  
10 further amended—

11 (1) by striking “(A) IN GENERAL.—” and in-  
12 serting the following:

13 “(a) DEVELOPMENT AND DEPLOYMENT.—

14 “(1) DEVELOPMENT.—”; and

15 (2) by adding at the end the following new  
16 paragraph:

17 “(2) DEPLOYMENT.—The Director of the Mis-  
18 sile Defense Agency shall ensure that the sensor ar-  
19 chitecture developed under paragraph (1) is deployed  
20 on or before December 31, 2022.”.

21 (c) COMPATIBILITY WITH EFFORTS OF DEFENSE  
22 ADVANCED RESEARCH PROJECTS AGENCY.—Such section  
23 is amended—

24 (1) by redesignating subsections (e) and (f) as  
25 subsection (f) and (g), respectively; and

1           (2) by inserting after subsection (d) the fol-  
2           lowing new subsection (e):

3           “(e) COMPATIBILITY WITH EFFORTS OF DEFENSE  
4           ADVANCED RESEARCH PROJECTS AGENCY.—The Direc-  
5           tor shall ensure that the sensor architecture developed  
6           under subsection (a) is compatible with efforts of the De-  
7           fense Advanced Research Projects Agency relating to  
8           space-based sensors for missile defense.”.

9           (d) REPORT ON PROGRESS.—

10           (1) IN GENERAL.—Not later than 90 days after  
11           the date of the enactment of this Act, Secretary of  
12           Defense shall submit to the congressional defense  
13           committees a report on the progress of all efforts  
14           being made by the Missile Defense Agency, the De-  
15           fense Advanced Research Projects Agency, and the  
16           Air Force relating to space-based sensing and track-  
17           ing capabilities for missile defense and how each of  
18           such organizations will work together to avoid dupli-  
19           cation of efforts.

20           (2) FORM.—The report required by paragraph  
21           (1) shall be submitted in unclassified form, but may  
22           include a classified annex.

1 **SEC. 1660D. MODIFICATION OF REQUIREMENT TO DEVELOP**  
2 **A SPACE-BASED BALLISTIC MISSILE INTER-**  
3 **CEPT LAYER.**

4 (a) DISSOCIATION WITH BALLISTIC MISSILE DE-  
5 FENSE REVIEW.—Subsection (a) of section 1688 of the  
6 National Defense Authorization Act for Fiscal Year 2018  
7 (Public Law 115–91) is amended, in the matter before  
8 paragraph (1), by striking “If consistent” and all that fol-  
9 lows through “the Director” and inserting “The Direc-  
10 tor”.

11 (b) CONFORMING AMENDMENT.—Subsection (b) of  
12 such section is amended, in the matter before paragraph  
13 (1), by striking “If the Director carries out subsection (a),  
14 not later” and inserting “Not later”.

15 **Subtitle F—Other Matters**

16 **SEC. 1661. ASSESSMENT OF ELECTRONIC WARFARE CAPA-**  
17 **BILITIES OF RUSSIA AND CHINA.**

18 (a) IN GENERAL.—Not later than 270 days after the  
19 date of the enactment of this Act, the Director of the De-  
20 fense Intelligence Agency shall submit to the congressional  
21 defense committees and the congressional intelligence  
22 committees (as defined in section 3 of the National Secu-  
23 rity Act of 1947 (50 U.S.C. 3003)) country-wide assess-  
24 ments of the electronic warfare capabilities of the Russian  
25 Federation and the People’s Republic of China.

1 (b) CONTENTS.—The assessments submitted under  
2 subsection (a) shall include, for the countries concerned,  
3 the following:

4 (1) The electronic warfare doctrine.

5 (2) The order of battle on land, sea, air, space,  
6 and cyberspace.

7 (3) The current status of expected direction of  
8 technology and research over the next 10 years.

9 **SEC. 1662. BUDGET EXHIBIT ON SUPPORT PROVIDED TO**  
10 **ENTITIES OUTSIDE DEPARTMENT OF DE-**  
11 **FENSE.**

12 (a) IN GENERAL.—The Under Secretary of Defense  
13 (Comptroller) shall include in the budget justification ma-  
14 terials submitted to Congress in support of the Depart-  
15 ment of Defense budget for each fiscal year (as submitted  
16 with the budget of the President under section 1105(a)  
17 of title 31, United States Code) a single budget exhibit  
18 containing relevant details pertaining to support provided  
19 by the Department of Defense to the Executive Office of  
20 the President related to senior leader communications and  
21 continuity of government programs.

22 (b) INCLUSIONS.—The budget exhibit required by  
23 subsection (a) shall include—

24 (1) support provided by the White House Mili-  
25 tary Office, the White House Communications Agen-

1 cy, special mission area activities of the Defense In-  
2 formation Systems Agency, and other relevant pro-  
3 grams; and

4 (2) specific appropriation and line numbers  
5 where appropriate.

6 (c) FORM.—The budget exhibit required by sub-  
7 section (a) shall be submitted in unclassified form, but  
8 may include a classified annex.

9 **SEC. 1663. DEVELOPMENT OF ELECTROMAGNETIC BATTLE**  
10 **MANAGEMENT CAPABILITY FOR JOINT ELEC-**  
11 **TROMAGNETIC OPERATIONS.**

12 (a) DESIGNATION OF EXECUTIVE AGENT.—Not later  
13 than 180 days after the date of the enactment of this Act,  
14 the Electronic Warfare Executive Committee shall des-  
15 ignate a military service with the responsibility for acting  
16 as executive agent for the development of an Electro-  
17 magnetic Battle Management capability for joint electro-  
18 magnetic operations.

19 (b) CERTIFICATION REQUIREMENT.—Along with the  
20 budget for each fiscal year submitted by the President  
21 pursuant to section 1105(a) of title 31, United States  
22 Code, the Secretary of Defense shall include a certification  
23 from the Electronic Warfare Executive Committee wheth-  
24 er sufficient funds have been budgeted for the development

1 of an Electromagnetic Battle Management capability for  
2 joint electromagnetic operations.

3 **TITLE XVII—COMMITTEE ON**  
4 **FOREIGN INVESTMENT IN**  
5 **THE UNITED STATES**

6 **SEC. 1701. SHORT TITLE.**

7 This title may be cited as the “Foreign Investment  
8 Risk Review Modernization Act of 2018”.

9 **SEC. 1702. SENSE OF CONGRESS.**

10 (a) IN GENERAL.—It is the sense of Congress that—

11 (1) foreign investment provides substantial eco-  
12 nomic benefits to the United States, including the  
13 promotion of economic growth, productivity, com-  
14 petitiveness, and job creation, and the majority of  
15 foreign investment transactions pose little or no risk  
16 to the national security of the United States, espe-  
17 cially when those investments are truly passive in  
18 nature;

19 (2) maintaining the commitment of the United  
20 States to open and fair investment policy also en-  
21 courages other countries to reciprocate and helps  
22 open new foreign markets for United States busi-  
23 nesses and their products;

24 (3) it should continue to be the policy of the  
25 United States to enthusiastically welcome and sup-

1 port foreign investment, consistent with the protec-  
2 tion of national security;

3 (4) at the same time, the national security land-  
4 scape has shifted in recent years, and so has the na-  
5 ture of the investments that pose the greatest poten-  
6 tial risk to national security, which warrants a mod-  
7 ernization of the processes and authorities of the  
8 Committee on Foreign Investment in the United  
9 States and of the United States export control sys-  
10 tem;

11 (5) the Committee on Foreign Investment in  
12 the United States plays a critical role in protecting  
13 the national security of the United States, and,  
14 therefore, it is essential that the member agencies of  
15 the Committee are adequately resourced and able to  
16 hire appropriately qualified individuals in a timely  
17 manner, and that those individuals' security clear-  
18 ances are processed as a high priority;

19 (6) the President should conduct a more robust  
20 international outreach effort to urge and help allies  
21 and partners of the United States to establish proc-  
22 esses that parallel the Committee on Foreign Invest-  
23 ment in the United States to screen foreign invest-  
24 ments for national security risks and to facilitate co-  
25 ordination;

1           (7) the President should lead a collaborative ef-  
2           fort with allies and partners of the United States to  
3           strengthen the multilateral export control regime to  
4           more effectively address the unprecedented indus-  
5           trial policies of certain countries of special concern,  
6           including aggressive efforts to acquire United States  
7           technology, and the blending of civil and military  
8           programs;

9           (8) any penalties imposed by the United States  
10          Government with respect to an individual or entity  
11          pursuant to a determination that the individual or  
12          entity has violated sanctions imposed by the United  
13          States or the export control laws of the United  
14          States should not be reversed for reasons unrelated  
15          to the national security of the United States; and

16          (9) the Committee on Foreign Investment in  
17          the United States should continue to review trans-  
18          actions for the purpose of protecting national secu-  
19          rity and should not consider issues of national inter-  
20          est absent a national security nexus.

21          (b) SENSE OF CONGRESS ON CONSIDERATION OF  
22          COVERED TRANSACTIONS.—It is the sense of Congress  
23          that, when considering national security risks, the Com-  
24          mittee on Foreign Investment in the United States may  
25          consider—



1           (1) whether a transaction involves a country of  
2 special concern that has a demonstrated or declared  
3 strategic goal of acquiring a type of critical tech-  
4 nology or critical infrastructure that would affect  
5 United States technological and industrial leadership  
6 in areas related to national security;

7           (2) the potential national security-related ef-  
8 fects of the cumulative market share of or a pattern  
9 of recent transactions in any one type of infrastruc-  
10 ture, energy asset, critical material, or critical tech-  
11 nology by foreign persons;

12           (3) whether any foreign person that would ac-  
13 quire an interest in a United States business or its  
14 assets as a result of a transaction has a history of  
15 complying with United States laws and regulations;

16           (4) the extent to which a transaction is likely  
17 to expose, either directly or indirectly, personally  
18 identifiable information, genetic information, or  
19 other sensitive data of United States citizens to ac-  
20 cess by a foreign government or foreign person that  
21 may exploit that information in a manner that  
22 threatens national security; and

23           (5) whether a transaction is likely to have the  
24 effect of exacerbating or creating new cybersecurity  
25 vulnerabilities in the United States or is likely to re-

1 sult in a foreign government gaining a significant  
2 new capability to engage in malicious cyber-enabled  
3 activities against the United States, including such  
4 activities designed to affect the outcome of any elec-  
5 tion for Federal office.

6 **SEC. 1703. DEFINITIONS.**

7 Section 721(a) of the Defense Production Act of  
8 1950 (50 U.S.C. 4565(a)) is amended to read as follows:

9 “(a) DEFINITIONS.—In this section:

10 “(1) ACCESS.—The term ‘access’ means the  
11 ability and opportunity to obtain information, sub-  
12 ject to regulations prescribed by the Committee.

13 “(2) COMMITTEE; CHAIRPERSON.—The terms  
14 ‘Committee’ and ‘chairperson’ mean the Committee  
15 on Foreign Investment in the United States and the  
16 chairperson thereof, respectively.

17 “(3) CONTROL.—The term ‘control’ means the  
18 power to determine, direct, or decide important mat-  
19 ters affecting an entity, subject to regulations pre-  
20 scribed by the Committee.

21 “(4) COUNTRY OF SPECIAL CONCERN.—

22 “(A) IN GENERAL.—The term ‘country of  
23 special concern’ means a country that poses a  
24 significant threat to the national security inter-  
25 ests of the United States.

1           “(B) RULE OF CONSTRUCTION.—This  
2 paragraph shall not be construed to require the  
3 Committee to maintain a list of countries of  
4 special concern.

5           “(5) COVERED TRANSACTION.—

6           “(A) IN GENERAL.—Except as otherwise  
7 provided, the term ‘covered transaction’  
8 means—

9                   “(i) any transaction described in sub-  
10 paragraph (B)(i); and

11                   “(ii) any transaction described in  
12 clauses (ii) through (v) of subparagraph  
13 (B) that is proposed, pending, or com-  
14 pleted on or after the effective date speci-  
15 fied in section 1732(b)(1)(A) of the For-  
16 eign Investment Risk Review Moderniza-  
17 tion Act of 2018.

18           “(B) TRANSACTIONS DESCRIBED.—A  
19 transaction described in this subparagraph is  
20 any of the following:

21                   “(i) Any merger, acquisition, or take-  
22 over that is proposed or pending after Au-  
23 gust 23, 1988, by or with any foreign per-  
24 son that could result in foreign control of  
25 any United States business.

1           “(ii) Subject to subparagraph (C), the  
2 purchase or lease by a foreign person of, or  
3 a concession offered to a foreign person  
4 with respect to, private or public real es-  
5 tate that—

6                   “(I) is located in the United  
7 States;

8                   “(II)(aa) is, is located at, or will  
9 function as part of, a land, air, or  
10 maritime port; or

11                   “(bb)(AA) is in close proximity to  
12 a United States military installation  
13 or another facility or property of the  
14 United States Government that is  
15 sensitive for reasons relating to na-  
16 tional security;

17                   “(BB) could reasonably provide  
18 the foreign person the ability to collect  
19 information on activities being con-  
20 ducted at such an installation, facility,  
21 or property; or

22                   “(CC) could otherwise expose na-  
23 tional security activities at such an in-  
24 stallation, facility, or property to the  
25 risk of foreign surveillance; and

1                   “(III) meets such other criteria  
2                   as the Committee prescribes by regu-  
3                   lation, as long as such criteria do not  
4                   expand the categories of real estate to  
5                   which this clause applies beyond the  
6                   categories described in subclause (II).

7                   “(iii) Any other investment (other  
8                   than a passive investment) by a foreign  
9                   person in any United States critical tech-  
10                  nology company or United States critical  
11                  infrastructure company that is unaffiliated  
12                  with the foreign person, subject to regula-  
13                  tions prescribed under subparagraph (C).

14                  “(iv) Any change in the rights that a  
15                  foreign person has with respect to a United  
16                  States business in which the foreign person  
17                  has an investment, if that change could re-  
18                  sult in—

19                         “(I) foreign control of the United  
20                         States business; or

21                         “(II) an investment described in  
22                         clause (iii).

23                  “(v) Any other transaction, transfer,  
24                  agreement, or arrangement the structure  
25                  of which is designed or intended to evade

1 or circumvent the application of this sec-  
2 tion, subject to regulations prescribed by  
3 the Committee.

4 “(C) FURTHER DEFINITION THROUGH  
5 REGULATIONS.—

6 “(i) EXCEPTION FOR CERTAIN REAL  
7 ESTATE TRANSACTIONS.—A real estate  
8 purchase or lease described in subpara-  
9 graph (B)(ii) does not include a lease or  
10 purchase of—

11 “(I) a single ‘housing unit’, as  
12 defined by the Census Bureau; or

13 “(II) real estate in ‘urbanized  
14 areas’, as defined by the Census Bu-  
15 reau in the most recent census, except  
16 as otherwise prescribed by the Com-  
17 mittee in regulations in consultation  
18 with the Secretary of Defense.

19 “(ii) CERTAIN OTHER INVESTMENT.—  
20 The Committee shall prescribe regulations  
21 further defining covered transactions de-  
22 scribed in subparagraph (B)(iii) by ref-  
23 erence to the technology, sector, subsector,  
24 transaction type, or other characteristics of  
25 such transactions.

1                   “(iii) EXEMPTION FOR TRANSACTIONS  
2 FROM IDENTIFIED COUNTRIES.—

3                   “(I) IN GENERAL.—The Com-  
4 mittee shall, by regulation, define cir-  
5 cumstances and procedures under  
6 which a transaction otherwise de-  
7 scribed in clause (ii) or (iii) of sub-  
8 paragraph (B) is excluded from the  
9 definition of ‘covered transaction’ if  
10 each foreign person that is a party to  
11 the transaction, and each foreign per-  
12 son with ownership or control over a  
13 party to the transaction, is from (as  
14 determined by the Committee pursu-  
15 ant to regulations prescribed by the  
16 Committee), a country or part of a  
17 country identified by the Committee  
18 for purposes of this clause based on  
19 factors established by the Committee,  
20 such as—

21                   “(aa) whether, in the sole  
22 judgment of the Committee, the  
23 process of the country for review-  
24 ing the national security effects  
25 of foreign investment and associ-

1 ated international cooperation ef-  
2 fectively safeguards national se-  
3 curity interests the country  
4 shares with the United States;

5 “(bb) whether the country is  
6 a member country of the North  
7 Atlantic Treaty Organization or  
8 is designated as a major non-  
9 NATO ally pursuant to section  
10 517 of the Foreign Assistance  
11 Act of 1961 (22 U.S.C. 2321k);

12 “(cc) whether the country  
13 adheres to nonproliferation con-  
14 trol regimes, including treaties  
15 and multilateral supply guide-  
16 lines, which shall be informed by  
17 sources such as the annual report  
18 on ‘Adherence to and Compliance  
19 with Arms Control, Nonprolifera-  
20 tion and Disarmament Agree-  
21 ments and Commitments’ re-  
22 quired by section 403 of the  
23 Arms Control and Disarmament  
24 Act (22 U.S.C. 2593a);



1           “(dd) whether excluding  
2           transactions by foreign persons  
3           from the country advances the  
4           national security objectives of the  
5           United States; and

6           “(ee) any other factors that  
7           the Committee determines to be  
8           appropriate.

9           “(II) RECURRING ASSESSMENT  
10          OF IDENTIFIED COUNTRIES.—The  
11          Committee shall reconsider on a reg-  
12          ular basis the identification of coun-  
13          tries and parts of countries under  
14          subclause (I).

15          “(iv) EXCEPTION FOR AIR CAR-  
16          RIERS.—For purposes of subparagraph  
17          (B)(iii), the term ‘other investment’ does  
18          not include an investment involving an air  
19          carrier, as defined in section 40102(a)(2)  
20          of title 49, United States Code, that holds  
21          a certificate issued under section 41102 of  
22          that title.

23          “(v) TRANSFERS OF CERTAIN ASSETS  
24          PURSUANT TO BANKRUPTCY PROCEEDINGS  
25          OR OTHER DEFAULTS.—The Committee

1 shall prescribe regulations to clarify that  
2 the term ‘covered transaction’ includes any  
3 transaction described in subparagraph (B)  
4 that arises pursuant to a bankruptcy pro-  
5 ceeding or other form of default on debt.

6 “(D) PASSIVE INVESTMENT DEFINED.—

7 “(i) IN GENERAL.—For purposes of  
8 subparagraph (B)(iii), the term ‘passive in-  
9 vestment’ means an investment, direct or  
10 indirect, by a foreign person in a United  
11 States critical infrastructure company or  
12 United States critical technology company  
13 that meets the following criteria:

14 “(I) The investment is not de-  
15 scribed in subparagraph (B)(i).

16 “(II) The investment does not af-  
17 ford the foreign person—

18 “(aa) access to any material  
19 nonpublic technical information  
20 in the possession of the United  
21 States critical infrastructure  
22 company or United States critical  
23 technology company;

24 “(bb) membership or ob-  
25 server rights on the board of di-

1           rectors or equivalent governing  
2           body of the United States critical  
3           infrastructure company or United  
4           States critical technology com-  
5           pany or the right to nominate an  
6           individual to a position on the  
7           board of directors or equivalent  
8           governing body; or

9                   “(cc) any involvement, other  
10           than through voting of shares, in  
11           substantive decisionmaking relat-  
12           ing to the management, govern-  
13           ance, or operation of the United  
14           States critical infrastructure  
15           company or United States critical  
16           technology company.

17                   “(III) The foreign person does  
18           not have a material parallel strategic  
19           partnership or other material financial  
20           relationship, as described in regula-  
21           tions prescribed by the Committee,  
22           with the United States critical infra-  
23           structure company or United States  
24           critical technology company.

1                   “(IV) Such other criteria as the  
2                   Committee may prescribe by regula-  
3                   tion, which shall be consistent with  
4                   the criteria specified in subclauses (I),  
5                   (II), and (III).

6                   “(ii) MATERIAL NONPUBLIC TECH-  
7                   NICAL INFORMATION DEFINED.—For pur-  
8                   poses of clause (i)(II)(aa), the term ‘mate-  
9                   rial nonpublic technical information’ has  
10                  the meaning given that term in regulations  
11                  prescribed by the Committee, except that  
12                  the term does not include financial infor-  
13                  mation regarding the performance of a  
14                  United States critical infrastructure com-  
15                  pany or United States critical technology  
16                  company.

17                  “(iii) EFFECT OF LEVEL OF OWNER-  
18                  SHIP INTEREST.—

19                  “(I) IN GENERAL.—A determina-  
20                  tion of whether an investment is a  
21                  passive investment under clause (i)  
22                  shall be made without regard to how  
23                  low the level of ownership interest a  
24                  foreign person would hold or acquire  
25                  in a United States critical infrastruc-

1                   ture company or United States critical  
2                   technology company would be as a re-  
3                   sult of the investment.

4                   “(II) REGULATIONS.—

5                   “(aa) IN GENERAL.—The  
6                   Committee may prescribe regula-  
7                   tions specifying that any invest-  
8                   ment (other than an investment  
9                   described in item (bb)) greater  
10                  than a certain level or amount  
11                  shall not be considered a passive  
12                  investment under clause (i).

13                  “(bb) INVESTMENT DE-  
14                  SCRIBED.—An investment de-  
15                  scribed in this item is an invest-  
16                  ment—

17                  “(AA) by a foreign per-  
18                  son in a United States crit-  
19                  ical infrastructure company  
20                  or United States critical  
21                  technology company through  
22                  an investment fund;

23                  “(BB) that does not re-  
24                  sult in the foreign person’s  
25                  control of the United States

1 critical technology or United  
2 States critical infrastructure  
3 company; and

4 “(CC) that otherwise  
5 meets the requirements of  
6 clauses (i) and (iv), as appli-  
7 cable.

8 “(iv) SPECIFIC CLARIFICATION FOR  
9 INVESTMENT FUNDS.—

10 “(I) TREATMENT OF CERTAIN  
11 INVESTMENTS AS PASSIVE INVEST-  
12 MENTS.—Notwithstanding clause  
13 (i)(II)(bb) and subject to regulations  
14 prescribed by the Committee, an indi-  
15 rect investment by a foreign person in  
16 a United States critical infrastructure  
17 company or United States critical  
18 technology company through an in-  
19 vestment fund that affords the foreign  
20 person (or a designee of the foreign  
21 person) membership as a limited part-  
22 ner on an advisory board or a com-  
23 mittee of the fund shall be considered  
24 a passive investment if—

1           “(aa) the fund is managed  
2 exclusively by a general partner,  
3 a managing member, or an equiv-  
4 alent;

5           “(bb) the general partner,  
6 managing member, or equivalent  
7 is not a foreign person;

8           “(cc) the advisory board or  
9 committee does not have the abil-  
10 ity to approve, disapprove, or  
11 otherwise control—

12           “(AA) investment deci-  
13 sions of the fund; or

14           “(BB) decisions made  
15 by the general partner, man-  
16 aging member, or equivalent  
17 related to entities in which  
18 the fund is invested;

19           “(dd) the foreign person  
20 does not otherwise have the abil-  
21 ity to control the fund, including  
22 the authority—

23           “(AA) to approve, dis-  
24 approve, or otherwise control

1 investment decisions of the  
2 fund;

3 “(BB) to approve, dis-  
4 approve, or otherwise control  
5 decisions made by the gen-  
6 eral partner, managing  
7 member, or equivalent re-  
8 lated to entities in which the  
9 fund is invested; or

10 “(CC) to unilaterally  
11 dismiss, prevent the dis-  
12 missal of, select, or deter-  
13 mine the compensation of  
14 the general partner, man-  
15 aging member, or equiva-  
16 lent; and

17 “(ee) the investment other-  
18 wise meets the requirements of  
19 this subparagraph.

20 “(II) TREATMENT OF CERTAIN  
21 WAIVERS.—

22 “(aa) IN GENERAL.—For  
23 the purposes of items (cc) and  
24 (dd) of subclause (I) and except  
25 as provided in item (bb), a waiver



1 of a potential conflict of interest,  
2 a waiver of an allocation limita-  
3 tion, or a similar activity, appli-  
4 cable to a transaction pursuant  
5 to the terms of an agreement  
6 governing an investment fund  
7 shall not be considered to con-  
8 stitute control of investment deci-  
9 sions of the fund or decisions re-  
10 lating to entities in which the  
11 fund is invested.

12 “(bb) EXCEPTION.—The  
13 Committee may prescribe regula-  
14 tions providing for exceptions to  
15 item (aa) for extraordinary cir-  
16 cumstances.

17 “(v) REGULATIONS.—The Committee  
18 shall prescribe regulations providing guid-  
19 ance on the types of transactions that the  
20 Committee considers to be passive invest-  
21 ment.

22 “(E) UNITED STATES CRITICAL INFRA-  
23 STRUCTURE COMPANY DEFINED.—For purposes  
24 of this paragraph, the term ‘United States crit-  
25 ical infrastructure company’ means a United

1 States business that is, owns, operates, or pri-  
2 marily provides services to, an entity or entities  
3 that operate within a critical infrastructure sec-  
4 tor or subsector, as defined by regulations pre-  
5 scribed by the Committee.

6 “(F) UNITED STATES CRITICAL TECH-  
7 NOLOGY COMPANY DEFINED.—For purposes of  
8 this paragraph, the term ‘United States critical  
9 technology company’ means a United States  
10 business that produces, designs, tests, manufac-  
11 tures, or develops one or more critical tech-  
12 nologies, or a subset of such technologies, as  
13 defined by regulations prescribed by the Com-  
14 mittee.

15 “(6) CRITICAL INFRASTRUCTURE.—The term  
16 ‘critical infrastructure’ means, subject to regulations  
17 prescribed by the Committee, systems and assets,  
18 whether physical or virtual, so vital to the United  
19 States that the incapacity or destruction of such sys-  
20 tems or assets would have a debilitating impact on  
21 national security.

22 “(7) CRITICAL MATERIALS.—The term ‘critical  
23 materials’ means physical materials essential to na-  
24 tional security, subject to regulations prescribed by  
25 the Committee.

1 “(8) CRITICAL TECHNOLOGIES.—

2 “(A) IN GENERAL.—The term ‘critical  
3 technologies’ means technology, components, or  
4 technology items that are essential or could be  
5 essential to national security, identified for pur-  
6 poses of this section pursuant to regulations  
7 prescribed by the Committee.

8 “(B) INCLUSION OF CERTAIN ITEMS.—The  
9 term ‘critical technologies’ includes the fol-  
10 lowing:

11 “(i) Defense articles or defense serv-  
12 ices included on the United States Muni-  
13 tions List set forth in the International  
14 Traffic in Arms Regulations under sub-  
15 chapter M of chapter I of title 22, Code of  
16 Federal Regulations.

17 “(ii) Items included on the Commerce  
18 Control List set forth in Supplement No. 1  
19 to part 774 of the Export Administration  
20 Regulations under subchapter C of chapter  
21 VII of title 15, Code of Federal Regula-  
22 tions, and controlled—

23 “(I) pursuant to multilateral re-  
24 gimes, including for reasons relating  
25 to national security, chemical and bio-

1                   logical weapons proliferation, nuclear  
2                   nonproliferation, or missile tech-  
3                   nology; or

4                   “(II) for reasons relating to re-  
5                   gional stability or surreptitious listen-  
6                   ing.

7                   “(iii) Specially designed and prepared  
8                   nuclear equipment, parts and components,  
9                   materials, software, and technology covered  
10                  by part 810 of title 10, Code of Federal  
11                  Regulations (relating to assistance to for-  
12                  eign atomic energy activities).

13                  “(iv) Nuclear facilities, equipment,  
14                  and material covered by part 110 of title  
15                  10, Code of Federal Regulations (relating  
16                  to export and import of nuclear equipment  
17                  and material).

18                  “(v) Select agents and toxins covered  
19                  by part 331 of title 7, Code of Federal  
20                  Regulations, part 121 of title 9 of such  
21                  Code, or part 73 of title 42 of such Code.

22                  “(vi) Emerging and foundational tech-  
23                  nologies identified pursuant to section  
24                  1725(a) of the Foreign Investment Risk  
25                  Review Modernization Act of 2018.

1           “(9) FOREIGN GOVERNMENT-CONTROLLED  
2 TRANSACTION.—The term ‘foreign government-con-  
3 trolled transaction’ means any covered transaction  
4 that could result in the control of any United States  
5 business by a foreign government or an entity con-  
6 trolled by or acting on behalf of a foreign govern-  
7 ment.

8           “(10) FOREIGN PERSON.—

9           “(A) IN GENERAL.—The term ‘foreign per-  
10 son’ means—

11                   “(i) any foreign national, foreign gov-  
12 ernment, or foreign entity; or

13                   “(ii) any entity over which control is  
14 exercised or exercisable by a foreign na-  
15 tional, foreign government, or foreign enti-  
16 ty.

17           “(B) FOREIGN ENTITY DEFINED.—

18                   “(i) IN GENERAL.—For purposes of  
19 subparagraph (A) and except as provided  
20 in clause (ii), the term ‘foreign entity’  
21 means any branch, partnership, group or  
22 subgroup, association, estate, trust, cor-  
23 poration or division of a corporation, or or-  
24 ganization organized under the laws of a  
25 foreign country if—

1                   “(I) the principal place of busi-  
2                   ness of the entity is outside the  
3                   United States; or

4                   “(II) the equity securities of the  
5                   entity are primarily traded on one or  
6                   more foreign exchanges.

7                   “(ii) EXCEPTION.—For purposes of  
8                   subparagraph (A), the term ‘foreign entity’  
9                   does not include an entity that dem-  
10                  onstrates to the Committee that a majority  
11                  of the equity interest in the entity is ulti-  
12                  mately owned by United States nationals.

13                  “(11) INTELLIGENCE COMMUNITY.—The term  
14                  ‘intelligence community’ has the meaning given that  
15                  term in section 3(4) of the National Security Act of  
16                  1947 (50 U.S.C. 3003(4)).

17                  “(12) INVESTMENT.—The term ‘investment’  
18                  means the acquisition of equity interest, including  
19                  contingent equity interest, as further defined in reg-  
20                  ulations prescribed by the Committee.

21                  “(13) LEAD AGENCY.—The term ‘lead agency’  
22                  means the agency or agencies designated as the lead  
23                  agency or agencies pursuant to subsection (k)(5).

24                  “(14) NATIONAL SECURITY.—The term ‘na-  
25                  tional security’ shall be construed so as to include

1 those issues relating to ‘homeland security’, includ-  
 2 ing its application to critical infrastructure.

3 “(15) PARTY.—The term ‘party’ has the mean-  
 4 ing given that term in regulations prescribed by the  
 5 Committee.

6 “(16) UNITED STATES.—The term ‘United  
 7 States’ means the several States, the District of Co-  
 8 lumbia, and any territory or possession of the  
 9 United States.

10 “(17) UNITED STATES BUSINESS.—The term  
 11 ‘United States business’ means a person engaged in  
 12 interstate commerce in the United States.”.

13 **SEC. 1704. ACCEPTANCE OF WRITTEN NOTICES.**

14 Section 721(b)(1)(C)(i) of the Defense Production  
 15 Act of 1950 (50 U.S.C. 4565(b)(1)(C)(i)) is amended—

16 (1) by striking “Any party” and inserting the  
 17 following:

18 “(I) IN GENERAL.—Any party”;

19 and

20 (2) by adding at the end the following:

21 “(II) COMMENTS AND ACCEPT-  
 22 ANCE.—

23 “(aa) IN GENERAL.—Sub-  
 24 ject to item (cc), the Committee  
 25 shall provide comments on a

1 draft or final written notice or  
2 accept a final written notice sub-  
3 mitted under subclause (I) with  
4 respect to a covered transaction  
5 not later than the date that is 10  
6 business days after the date of  
7 submission of the draft or final  
8 notice.

9 “(bb) COMPLETENESS.—If  
10 the Committee determines that a  
11 draft or final written notice de-  
12 scribed in item (aa) is not com-  
13 plete, the Committee shall notify  
14 the party or parties to the trans-  
15 action in writing that the notice  
16 is not complete and provide an  
17 explanation of all material re-  
18 spects in which the notice is in-  
19 complete.

20 “(cc) STIPULATIONS RE-  
21 QUIRED.—The timing require-  
22 ment under item (aa) shall apply  
23 only in a case in which the par-  
24 ties stipulate under clause (vi)



1 that the transaction is a covered  
2 transaction.”.

3 **SEC. 1705. INCLUSION OF PARTNERSHIP AND SIDE AGREE-**  
4 **MENTS IN NOTICE.**

5 Section 721(b)(1)(C) of the Defense Production Act  
6 of 1950 (50 U.S.C. 4565(b)(1)(C)) is amended by adding  
7 at the end the following:

8 “(iv) INCLUSION OF PARTNERSHIP  
9 AND SIDE AGREEMENTS.—A written notice  
10 submitted under clause (i) by a party to a  
11 covered transaction shall include a copy of  
12 any partnership agreements, integration  
13 agreements, or other side agreements relat-  
14 ing to the transaction, including any such  
15 agreements relating to the transfer of in-  
16 tellectual property, as specified in regula-  
17 tions prescribed by the Committee.”.

18 **SEC. 1706. DECLARATIONS FOR CERTAIN COVERED TRANS-**  
19 **ACTIONS.**

20 Section 721(b)(1)(C) of the Defense Production Act  
21 of 1950 (50 U.S.C. 4565(b)(1)(C)), as amended by section  
22 1705, is further amended by adding at the end the fol-  
23 lowing:

24 “(v) DECLARATIONS FOR CERTAIN  
25 COVERED TRANSACTIONS.—

1           “(I) IN GENERAL.—A party to  
2 any covered transaction may submit  
3 to the Committee a declaration with  
4 basic information regarding the trans-  
5 action instead of a written notice  
6 under clause (i).

7           “(II) REGULATIONS.—The Com-  
8 mittee shall prescribe regulations es-  
9 tablishing requirements for declara-  
10 tions submitted under this clause. In  
11 prescribing such regulations, the Com-  
12 mittee shall ensure that such declara-  
13 tions are submitted as abbreviated no-  
14 tifications that would not generally ex-  
15 ceed 5 pages in length.

16           “(III) COMMITTEE RESPONSE TO  
17 DECLARATION.—

18           “(aa) IN GENERAL.—Upon  
19 receiving a declaration under this  
20 clause with respect to a covered  
21 transaction, the Committee may,  
22 at the discretion of the Com-  
23 mittee—

24           “(AA) request that the  
25 parties to the transaction

1 file a written notice under  
2 clause (i);  
3 “(BB) inform the par-  
4 ties to the transaction that  
5 the Committee is not able to  
6 complete action under this  
7 section with respect to the  
8 transaction on the basis of  
9 the declaration and that the  
10 parties may file a written  
11 notice under clause (i) to  
12 seek written notification  
13 from the Committee that the  
14 Committee has completed all  
15 action under this section  
16 with respect to the trans-  
17 action;  
18 “(CC) initiate a unilat-  
19 eral review of the trans-  
20 action under subparagraph  
21 (D); or  
22 “(DD) notify the par-  
23 ties in writing that the Com-  
24 mittee has completed all ac-

1                   tion under this section with  
2                   respect to the transaction.

3                   “(bb) TIMING.—The Com-  
4                   mittee shall take action under  
5                   item (aa) not later than 30 days  
6                   after receiving a declaration  
7                   under this clause.

8                   “(cc) RULE OF CONSTRUC-  
9                   TION.—Nothing in this subclause  
10                  (other than item (aa)(CC)) shall  
11                  be construed to affect the author-  
12                  ity of the President or the Com-  
13                  mittee to take any action author-  
14                  ized by this section with respect  
15                  to a covered transaction.

16                  “(IV) MANDATORY DECLARA-  
17                  TIONS.—

18                  “(aa) REGULATIONS.—The  
19                  Committee shall prescribe regula-  
20                  tions specifying the types of cov-  
21                  ered transactions for which the  
22                  Committee requires a declaration  
23                  under this subclause.

1                   “(bb) CERTAIN COVERED  
2 TRANSACTIONS WITH FOREIGN  
3 GOVERNMENT INTERESTS.—

4                   “(AA) IN GENERAL.—

5                   Except as provided in  
6                   subitem (BB), the parties to  
7                   a covered transaction shall  
8                   submit a declaration de-  
9                   scribed in subclause (I) with  
10                  respect to the transaction if  
11                  the transaction involves an  
12                  investment that results in  
13                  the acquisition, directly or  
14                  indirectly, of a substantial  
15                  interest in a United States  
16                  critical infrastructure com-  
17                  pany or United States crit-  
18                  ical technology company by  
19                  a foreign person in which a  
20                  foreign government has, di-  
21                  rectly or indirectly, a sub-  
22                  stantial interest.

23                  “(BB) EXCEPTION.—

24                  The submission of a declara-  
25                  tion described in subclause

1 (I) shall not be required  
2 with respect to a transaction  
3 described in subitem (AA) if  
4 each foreign person that is a  
5 party to the transaction, and  
6 each foreign person with  
7 ownership or control over a  
8 party to the transaction, is  
9 from a country or part of a  
10 country identified by the  
11 Committee under subsection  
12 (a)(5)(C)(iii).

13 “(CC) SUBSTANTIAL  
14 INTEREST DEFINED.—In  
15 this item, the term ‘substan-  
16 tial interest’ has the mean-  
17 ing given that term in regu-  
18 lations which the Committee  
19 shall prescribe. In devel-  
20 oping those regulations, the  
21 Committee shall consider the  
22 means by which a foreign  
23 government could influence  
24 the actions of a foreign per-  
25 son, including through board

1 membership, ownership in-  
2 terest, or shareholder rights.  
3 An interest that is a passive  
4 investment (as defined in  
5 subsection (a)(5)(D)) or  
6 that is less than a 10 per-  
7 cent voting interest shall not  
8 be considered a substantial  
9 interest.

10 “(cc) OTHER DECLARATIONS  
11 REQUIRED BY COMMITTEE.—The  
12 Committee shall require the sub-  
13 mission of a declaration described  
14 in subclause (I) with respect to  
15 any covered transaction identified  
16 under regulations prescribed by  
17 the Committee for purposes of  
18 this item, at the discretion of the  
19 Committee and based on appro-  
20 priate factors, such as—

21 “(AA) the technology,  
22 industry, economic sector, or  
23 economic subsector in which  
24 the United States business  
25 that is a party to the trans-

1                   action trades or of which it  
2                   is a part;

3                   “(BB) the difficulty of  
4                   remedying the harm to na-  
5                   tional security that may re-  
6                   sult from completion of the  
7                   transaction;

8                   “(CC) the difficulty of  
9                   obtaining information on the  
10                  type of covered transaction  
11                  through other means; and

12                  “(DD) the difficulty of  
13                  obtaining information on the  
14                  ultimate ownership of the  
15                  foreign person that is a  
16                  party to the transaction.

17                  “(dd)     EXCEPTION.—The  
18                  submission of a declaration de-  
19                  scribed in subclause (I) shall not  
20                  be required pursuant to this sub-  
21                  clause with respect to an invest-  
22                  ment by an investment fund if—

23                  “(AA) the fund is man-  
24                  aged exclusively by a general



1 partner, a managing mem-  
2 ber, or an equivalent;

3 “(BB) the general part-  
4 ner, managing member, or  
5 equivalent is not a foreign  
6 person; and

7 “(CC) the investment  
8 fund satisfies, with respect  
9 to any foreign person with  
10 membership as a limited  
11 partner on an advisory  
12 board or a committee of the  
13 fund, the criteria specified in  
14 items (cc) and (dd) of sub-  
15 section (a)(5)(D)(iv).

16 “(ee) SUBMISSION OF WRIT-  
17 TEN NOTICE AS AN ALTER-  
18 NATIVE.—Parties to a covered  
19 transaction for which a declara-  
20 tion is required under this sub-  
21 clause may instead elect to sub-  
22 mit a written notice under clause  
23 (i).

24 “(ff) TIMING OF SUBMIS-  
25 SION.—

1                   “(AA) IN GENERAL.—A  
2                   declaration required to be  
3                   submitted with respect to a  
4                   covered transaction by this  
5                   subclause shall be submitted  
6                   not later than 45 days be-  
7                   fore the completion of the  
8                   transaction.

9                   “(BB) WRITTEN NO-  
10                  TICE.—If, pursuant to item  
11                  (ee), the parties to a covered  
12                  transaction elect to submit a  
13                  written notice under clause  
14                  (i) instead of a declaration  
15                  under this subclause, the  
16                  written notice shall be filed  
17                  not later than 90 days be-  
18                  fore the completion of the  
19                  transaction.

20                  “(gg) PENALTIES.—The  
21                  Committee may impose a penalty  
22                  pursuant to subsection (h)(3)  
23                  with respect to a party that fails  
24                  to comply with this subclause.”.

1 **SEC. 1707. STIPULATIONS REGARDING TRANSACTIONS.**

2 Section 721(b)(1)(C) of the Defense Production Act  
 3 of 1950 (50 U.S.C. 4565(b)(1)(C)), as amended by section  
 4 1706, is further amended by adding at the end the fol-  
 5 lowing:

6 “(vi) STIPULATIONS REGARDING  
 7 TRANSACTIONS.—

8 “(I) IN GENERAL.—In a written  
 9 notice submitted under clause (i) or a  
 10 declaration submitted under clause (v)  
 11 with respect to a transaction, a party  
 12 to the transaction may—

13 “(aa) stipulate that the  
 14 transaction is a covered trans-  
 15 action; and

16 “(bb) if the party stipulates  
 17 that the transaction is a covered  
 18 transaction under item (aa), stipu-  
 19 late that the transaction is a  
 20 foreign government-controlled  
 21 transaction.

22 “(II) BASIS FOR STIPULATION.—  
 23 A written notice submitted under  
 24 clause (i) or a declaration submitted  
 25 under clause (v) that includes a stipu-  
 26 lation under subclause (I) shall in-

1                   clude a description of the basis for the  
2                   stipulation.”.

3 **SEC. 1708. AUTHORITY FOR UNILATERAL INITIATION OF**  
4                   **REVIEWS.**

5           Section 721(b)(1) of the Defense Production Act of  
6 1950 (50 U.S.C. 4565(b)(1)) is amended—

7           (1) by redesignating subparagraphs (E) and  
8           (F) as subparagraphs (F) and (G), respectively;

9           (2) in subparagraph (D)—

10                   (A) in the matter preceding clause (i), by  
11                   striking “subparagraph (F)” and inserting  
12                   “subparagraph (G)”;

13                   (B) in clause (i), by inserting “(other than  
14                   a covered transaction described in subpara-  
15                   graph (E))” after “any covered transaction”;

16                   (C) by striking clause (ii) and inserting the  
17                   following:

18                           “(ii) any covered transaction described  
19                           in subparagraph (E), if any party to the  
20                           transaction submitted false or misleading  
21                           material information to the Committee in  
22                           connection with the Committee’s consider-  
23                           ation of the transaction or omitted mate-  
24                           rial information, including material docu-

1                   ments, from information submitted to the  
2                   Committee; or”; and

3                   (D) in clause (iii)—

4                   (i) in the matter preceding subclause  
5                   (I), by striking “any covered transaction  
6                   that has previously been reviewed or inves-  
7                   tigated under this section,” and inserting  
8                   “any covered transaction described in sub-  
9                   paragraph (E),”;

10                   (ii) in subclause (I), by striking “in-  
11                   tentionally”;

12                   (iii) in subclause (II), by striking “an  
13                   intentional” and inserting “a”; and

14                   (iv) in subclause (III), by inserting  
15                   “adequate and appropriate” before “rem-  
16                   edies or enforcement tools”; and

17                   (3) by inserting after subparagraph (D) the fol-  
18                   lowing:

19                   “(E) COVERED TRANSACTIONS DE-  
20                   SCRIBED.—A covered transaction is described  
21                   in this subparagraph if—

22                   “(i) the Committee has informed the  
23                   parties to the transaction in writing that  
24                   the Committee has completed all action

1 under this section with respect to the  
2 transaction; or

3 “(ii) the President has announced a  
4 decision not to exercise the President’s au-  
5 thority under subsection (d) with respect  
6 to the transaction.”.

7 **SEC. 1709. TIMING FOR REVIEWS AND INVESTIGATIONS.**

8 Section 721(b) of the Defense Production Act of  
9 1950 (50 U.S.C. 4565(b)), as amended by section 1708,  
10 is further amended—

11 (1) in paragraph (1)(F), by striking “30” and  
12 inserting “45”;

13 (2) in paragraph (2), by striking subparagraph  
14 (C) and inserting the following:

15 “(C) TIMING.—

16 “(i) IN GENERAL.—Except as pro-  
17 vided in clause (ii), any investigation under  
18 subparagraph (A) shall be completed be-  
19 fore the end of the 45-day period begin-  
20 ning on the date on which the investigation  
21 commenced.

22 “(ii) EXTENSION FOR EXTRAOR-  
23 DINARY CIRCUMSTANCES.—

24 “(I) IN GENERAL.—In extraor-  
25 dinary circumstances (as defined by

1 the Committee in regulations), the  
2 chairperson may, at the request of the  
3 head of the lead agency, extend an in-  
4 vestigation under subparagraph (A)  
5 for one 30-day period.

6 “(II) NONDELEGATION.—The  
7 authority of the chairperson and the  
8 head of the lead agency referred to in  
9 subclause (I) may not be delegated to  
10 any person other than the Deputy  
11 Secretary of the Treasury or the dep-  
12 uty head (or equivalent thereof) of the  
13 lead agency, as the case may be.

14 “(III) NOTIFICATION TO PAR-  
15 TIES.—If the Committee extends the  
16 deadline under subclause (I) with re-  
17 spect to a covered transaction, the  
18 Committee shall notify the parties to  
19 the transaction of the extension.”; and

20 (3) by adding at the end the following:

21 “(8) TOLLING OF DEADLINES DURING LAPSE IN  
22 APPROPRIATIONS.—Any deadline or time limitation  
23 under this subsection shall be tolled during a lapse  
24 in appropriations.”.

1 **SEC. 1710. MONITORING OF NON-NOTIFIED AND NON-DE-**  
2 **CLARED TRANSACTIONS.**

3 Section 721(b)(1) of the Defense Production Act of  
4 1950 (50 U.S.C. 4565(b)(1)), as amended by sections  
5 1708 and 1709, is further amended by adding at the end  
6 the following:

7 “(H) MONITORING OF NON-NOTIFIED AND  
8 NON-DECLARED TRANSACTIONS.—The Com-  
9 mittee shall establish a mechanism to identify  
10 covered transactions for which—

11 “(i) a notice under clause (i) of sub-  
12 paragraph (C) or a declaration under  
13 clause (v) of that subparagraph is not sub-  
14 mitted to the Committee; and

15 “(ii) information is reasonably avail-  
16 able.”.

17 **SEC. 1711. SUBMISSION OF CERTIFICATIONS TO CONGRESS.**

18 Section 721(b)(3)(C) of the Defense Production Act  
19 of 1950 (50 U.S.C. 4565(b)(3)(C)) is amended—

20 (1) in clause (iii)—

21 (A) in subclause (II), by inserting “and the  
22 Select Committee on Intelligence” after “Urban  
23 Affairs”; and

24 (B) in subclause (IV), by inserting “and  
25 the Permanent Select Committee on Intel-  
26 ligence” after “Financial Services”;



1           (2) in clause (iv), by striking subclause (II) and  
2 inserting the following:

3                           “(II) DELEGATION OF CERTIFI-  
4 CATIONS.—

5                           “(aa) IN GENERAL.—Sub-  
6 ject to item (bb), the chairperson,  
7 in consultation with the Com-  
8 mittee, may determine the level  
9 of official to whom the signature  
10 requirement under subclause (I)  
11 for the chairperson and the head  
12 of the lead agency may be dele-  
13 gated. The level of official to  
14 whom the signature requirement  
15 may be delegated may differ  
16 based on any factor relating to a  
17 transaction that the chairperson,  
18 in consultation with the Com-  
19 mittee, deems appropriate, in-  
20 cluding the type or value of the  
21 transaction.

22                           “(bb) LIMITATION ON DELE-  
23 GATION WITH RESPECT TO CER-  
24 TAIN TRANSACTIONS.—The sig-  
25 nature requirement under sub-

1 clause (I) may be delegated not  
2 below the level of the Assistant  
3 Secretary of the Treasury or an  
4 equivalent official of the lead  
5 agency in the case of a covered  
6 transaction—

7 “(AA) assessed by the  
8 Director of National Intel-  
9 ligence under paragraph (4)  
10 as more likely than not to  
11 threaten the national secu-  
12 rity of the United States;

13 “(BB) with respect to  
14 which the Committee con-  
15 ducts an investigation under  
16 paragraph (2); or

17 “(CC) with respect to  
18 which a request is made by  
19 an official at the Deputy As-  
20 sistant Secretary or Assist-  
21 ant Secretary level of an  
22 agency or department rep-  
23 resented on the Committee,  
24 or an equivalent thereof,  
25 that the transaction be re-

1 viewed by the Assistant Sec-  
2 retary of the Treasury and  
3 an equivalent official of the  
4 lead agency.

5 “(cc) LIMITATION ON DELE-  
6 GATION WITH RESPECT TO  
7 OTHER TRANSACTIONS.—In the  
8 case of any covered transaction  
9 not described in item (bb), the  
10 signature requirement under sub-  
11 clause (I) may be delegated not  
12 below the level of a Deputy As-  
13 sistant Secretary of the Treasury  
14 or an equivalent official of the  
15 lead agency.”; and

16 (3) by adding at the end the following:

17 “(v) AUTHORITY TO CONSOLIDATE  
18 DOCUMENTS.—Instead of transmitting a  
19 separate certified notice or certified report  
20 under subparagraph (A) or (B) with re-  
21 spect to each covered transaction, the  
22 Committee may, on a monthly basis, trans-  
23 mit such notices and reports in a consoli-  
24 dated document to the Members of Con-  
25 gress specified in clause (iii).”.

1 **SEC. 1712. ANALYSIS BY DIRECTOR OF NATIONAL INTEL-**  
2 **LIGENCE.**

3 Section 721(b)(4) of the Defense Production Act of  
4 1950 (50 U.S.C. 4565(b)(4)) is amended—

5 (1) by striking subparagraph (A) and inserting  
6 the following:

7 “(A) ANALYSIS REQUIRED.—

8 “(i) IN GENERAL.—Except as pro-  
9 vided in subparagraph (B), the Director of  
10 National Intelligence shall expeditiously  
11 carry out a thorough analysis of any threat  
12 to the national security of the United  
13 States posed by any covered transaction,  
14 which shall include the identification of  
15 any recognized gaps in the collection of in-  
16 telligence relevant to the analysis.

17 “(ii) VIEWS OF INTELLIGENCE COM-  
18 MUNITY.—The Director shall seek and in-  
19 corporate into the analysis required by  
20 clause (i) the views of all affected or ap-  
21 propriate agencies of the intelligence com-  
22 munity with respect to the transaction.

23 “(iii) UPDATES.—At the request of  
24 the lead agency, the Director shall update  
25 the analysis conducted under clause (i)  
26 with respect to a covered transaction with

1           respect to which an agreement was entered  
2           into under subsection (1)(3)(A).

3           “(iv) INDEPENDENCE AND OBJEC-  
4           TIVITY.—The Committee shall ensure that  
5           its processes under this section preserve  
6           the ability of the Director to conduct anal-  
7           ysis under clause (i) that is independent,  
8           objective, and consistent with all applicable  
9           directives, policies, and analytic tradecraft  
10          standards of the intelligence community.”;

11          (2) by redesignating subparagraphs (B), (C),  
12          and (D) as subparagraphs (C), (D), and (E), respec-  
13          tively;

14          (3) by inserting after subparagraph (A) the fol-  
15          lowing:

16               “(B) BASIC THREAT INFORMATION.—

17               “(i) IN GENERAL.—The Director of  
18               National Intelligence may provide the  
19               Committee with basic information regard-  
20               ing any threat to the national security of  
21               the United States posed by a covered  
22               transaction described in clause (ii) instead  
23               of conducting the analysis required by sub-  
24               paragraph (A).

1                   “(ii) COVERED TRANSACTION DE-  
2                   SCRIBED.—A covered transaction is de-  
3                   scribed in this clause if—

4                                 “(I) the transaction is described  
5                                 in subsection (a)(5)(B)(ii);

6                                 “(II) the Director of National In-  
7                                 telligence has completed an analysis  
8                                 pursuant to subparagraph (A) involv-  
9                                 ing each foreign person that is a party  
10                                to the transaction during the 12  
11                                months preceding the review or inves-  
12                                tigation of the transaction under this  
13                                section; or

14                                “(III) the transaction otherwise  
15                                meets criteria agreed upon by the  
16                                Committee and the Director for pur-  
17                                poses of this subparagraph.”;

18                   (4) in subparagraph (C), as redesignated by  
19                   paragraph (2), by striking “20” and inserting “30”;  
20                   and

21                   (5) by adding at the end the following:

22                                “(F) ASSESSMENT OF OPERATIONAL IM-  
23                                PACT.—The Director may provide to the Com-  
24                                mittee an assessment, separate from the anal-  
25                                yses under subparagraphs (A) and (B), of any

1 operational impact of a covered transaction on  
2 the intelligence community and a description of  
3 any actions that have been or will be taken to  
4 mitigate any such impact.

5 “(G) SUBMISSION TO CONGRESS.—The  
6 Committee shall submit the analysis required by  
7 subparagraph (A) with respect to a covered  
8 transaction to the Select Committee on Intel-  
9 ligence of the Senate and the Permanent Select  
10 Committee on Intelligence of the House of Rep-  
11 resentatives upon the conclusion of action under  
12 this section (other than compliance plans under  
13 subsection (l)(6)) with respect to the trans-  
14 action.”.

15 **SEC. 1713. INFORMATION SHARING.**

16 Section 721(c) of the Defense Production Act of 1950  
17 (50 U.S.C. 4565(c)) is amended—

18 (1) by striking “Any information” and inserting  
19 the following:

20 “(1) IN GENERAL.—Except as provided in para-  
21 graph (2), any information”;

22 (2) by striking “, except as may be relevant”  
23 and all that follows and inserting a period; and

24 (3) by adding at the end the following:

1           “(2) EXCEPTIONS.—Paragraph (1) shall not  
2 prohibit the disclosure of the following:

3           “(A) Information relevant to any adminis-  
4 trative or judicial action or proceeding.

5           “(B) Information to Congress or any duly  
6 authorized committee or subcommittee of Con-  
7 gress.

8           “(C) Information to any domestic or for-  
9 eign governmental entity, under the direction of  
10 the chairperson, to the extent necessary for na-  
11 tional security purposes and pursuant to appro-  
12 priate confidentiality and classification arrange-  
13 ments.

14           “(D) Information that the parties have  
15 consented to be disclosed to third parties.

16           “(3) COOPERATION WITH ALLIES AND PART-  
17 NERS.—

18           “(A) IN GENERAL.—The chairperson, in  
19 consultation with other members of the Com-  
20 mittee, should establish a formal process for the  
21 exchange of information under paragraph  
22 (2)(C) with governments of countries that are  
23 allies or partners of the United States, in the  
24 discretion of the chairperson, to protect the na-



1 tional security of the United States and those  
2 countries.

3 “(B) REQUIREMENTS.—The process estab-  
4 lished under subparagraph (A) should, in the  
5 discretion of the chairperson—

6 “(i) be designed to facilitate the har-  
7 monization of action with respect to trends  
8 in investment and technology that could  
9 pose risks to the national security of the  
10 United States and countries that are allies  
11 or partners of the United States;

12 “(ii) provide for the sharing of infor-  
13 mation with respect to specific technologies  
14 and entities acquiring such technologies as  
15 appropriate to ensure national security;  
16 and

17 “(iii) include consultations and meet-  
18 ings with representatives of the govern-  
19 ments of such countries on a recurring  
20 basis.”.

21 **SEC. 1714. ACTION BY THE PRESIDENT.**

22 (a) IN GENERAL.—Section 721(d) of the Defense  
23 Production Act of 1950 (50 U.S.C. 4565(d)) is amend-  
24 ed—

1           (1) by striking paragraph (1) and inserting the  
2 following:

3           “(1) IN GENERAL.—Subject to paragraph (4),  
4 the President may, with respect to a covered trans-  
5 action that threatens to impair the national security  
6 of the United States, take such action for such time  
7 as the President considers appropriate to suspend or  
8 prohibit the transaction or to require divestment.”;  
9 and

10           (2) in paragraph (2), by striking “not later  
11 than 15 days” and all that follows and inserting the  
12 following: “with respect to a covered transaction not  
13 later than 15 days after the earlier of—

14           “(A) the date on which the investigation of  
15 the transaction under subsection (b) is com-  
16 pleted; or

17           “(B) the date on which the Committee oth-  
18 erwise refers the transaction to the President  
19 under subsection (l)(2).”.

20           (b) CIVIL PENALTIES.—Section 721(h)(3)(A) of the  
21 Defense Production Act of 1950 (50 U.S.C.  
22 4565(h)(3)(A)) is amended by striking “including any  
23 mitigation” and all that follows through “subsection (l)”  
24 and inserting “including any mitigation agreement entered

1 into, conditions imposed, or order issued pursuant to this  
2 section”.

3 **SEC. 1715. JUDICIAL REVIEW.**

4 Section 721(e) of the Defense Production Act of 1950  
5 (50 U.S.C. 4565(e)) is amended—

6 (1) by striking “The actions” and inserting the  
7 following:

8 “(1) IN GENERAL.—The actions”; and

9 (2) by adding at the end the following:

10 “(2) CIVIL ACTIONS.—A civil action challenging  
11 an action or finding of the Committee under this  
12 section may be brought only in the United States  
13 Court of Appeals for the District of Columbia Cir-  
14 cuit.

15 “(3) PROCEDURES FOR REVIEW OF PRIVILEGED  
16 INFORMATION.—If a civil action challenging an ac-  
17 tion or finding of the Committee under this section  
18 is brought, and the court determines that protected  
19 information in the administrative record, including  
20 classified, sensitive law enforcement, sensitive secu-  
21 rity, or other information subject to privilege or pro-  
22 tections under any provision of law, is necessary to  
23 resolve the challenge, that information shall be sub-  
24 mitted ex parte and in camera to the court and the  
25 court shall maintain that information under seal.

1           “(4) APPLICABILITY OF USE OF INFORMATION  
2 PROVISIONS.—The use of information provisions of  
3 sections 106, 305, 405, and 706 of the Foreign In-  
4 telligence Surveillance Act of 1978 (50 U.S.C. 1806,  
5 1825, 1845, and 1881e) shall not apply in a civil ac-  
6 tion brought under this subsection.”.

7 **SEC. 1716. MEMBERSHIP AND STAFF OF COMMITTEE.**

8           (a) HIRING AUTHORITY.—Section 721(k) of the De-  
9 fense Production Act of 1950 (50 U.S.C. 4565(k)) is  
10 amended by striking paragraph (4) and inserting the fol-  
11 lowing:

12           “(4) HIRING AUTHORITY.—

13           “(A) SENIOR OFFICIALS.—

14           “(i) IN GENERAL.—Each member of  
15 the Committee shall designate an Assistant  
16 Secretary, or an equivalent official, who is  
17 appointed by the President, by and with  
18 the advice and consent of the Senate, to  
19 carry out such duties related to the Com-  
20 mittee as the member of the Committee  
21 may delegate.

22           “(ii) DEPARTMENT OF THE TREAS-  
23 URY.—In addition to officials of the De-  
24 partment of the Treasury authorized under  
25 section 301 of title 31, United States

1 Code, or any other provision of law, there  
2 are authorized at the Department of the  
3 Treasury, to carry out such duties related  
4 to the Committee as the Secretary of the  
5 Treasury may delegate, consistent with  
6 this section and reflecting the expanded  
7 authorities of the Committee and the role  
8 of the Department of the Treasury in im-  
9 plementing those authorities under the  
10 amendments made by the Foreign Invest-  
11 ment Risk Review Modernization Act of  
12 2018, the following:

13 “(I) One official, who is ap-  
14 pointed by the President, by and with  
15 the advice and consent of the Senate,  
16 who shall be compensated at a rate  
17 not to exceed the rate of basic pay  
18 payable for level III of the Executive  
19 Schedule under section 5314 of title  
20 5, United States Code.

21 “(II) One official, who is ap-  
22 pointed by the President, by and with  
23 the advice and consent of the Senate,  
24 who shall be compensated at a rate  
25 not to exceed the rate of basic pay

1 payable for level IV of the Executive  
2 Schedule under section 5315 of title  
3 5, United States Code.

4 “(B) SPECIAL HIRING AUTHORITY.—The  
5 heads of the departments and agencies rep-  
6 resented on the Committee may appoint, with-  
7 out regard to the provisions of sections 3309  
8 through 3318 of title 5, United States Code,  
9 candidates directly to positions in the competi-  
10 tive service (as defined in section 2102 of that  
11 title) in their respective departments and agen-  
12 cies to administer this section.”.

13 (b) PROCEDURES FOR RECUSAL OF MEMBERS OF  
14 COMMITTEE FOR CONFLICTS OF INTEREST.—Not later  
15 than 90 days after the date of the enactment of this Act,  
16 the Committee on Foreign Investment in the United  
17 States shall—

18 (1) establish procedures for the recusal of any  
19 member of the Committee that has a conflict of in-  
20 terest with respect to a covered transaction (as de-  
21 fined in section 721 of the Defense Production Act  
22 of 1950, as amended by section 1703);

23 (2) submit to the Committee on Banking,  
24 Housing, and Urban Affairs of the Senate and the  
25 Committee on Financial Services of the House of

1 Representatives a report describing those proce-  
2 dures; and

3 (3) brief the committees specified in paragraph  
4 (1) on the report required by paragraph (2).

5 **SEC. 1717. ACTIONS BY THE COMMITTEE TO ADDRESS NA-**  
6 **TIONAL SECURITY RISKS.**

7 Section 721(1) of the Defense Production Act of 1950  
8 (50 U.S.C. 4565(1)) is amended—

9 (1) in the subsection heading, by striking  
10 “MITIGATION, TRACKING, AND POSTCONSUMMATION  
11 MONITORING AND ENFORCEMENT” and inserting  
12 “ACTIONS BY THE COMMITTEE TO ADDRESS NA-  
13 TIONAL SECURITY RISKS”;

14 (2) by redesignating paragraphs (1), (2), and  
15 (3) as paragraphs (3), (5), and (6), respectively;

16 (3) by inserting before paragraph (3), as redesi-  
17 gnated by paragraph (2), the following:

18 “(1) SUSPENSION OF TRANSACTIONS.—The  
19 Committee, acting through the chairperson, may  
20 suspend a proposed or pending covered transaction  
21 that may pose a risk to the national security of the  
22 United States for such time as the covered trans-  
23 action is under review or investigation under sub-  
24 section (b).

1           “(2) REFERRAL TO PRESIDENT.—The Com-  
2           mittee may, at any time during the review or inves-  
3           tigation of a covered transaction under subsection  
4           (b), complete the action of the Committee with re-  
5           spect to the transaction and refer the transaction to  
6           the President for action pursuant to subsection  
7           (d).”;

8           (4) in paragraph (3), as redesignated by para-  
9           graph (2)—

10           (A) in subparagraph (A)—

11           (i) in the subparagraph heading, by  
12           striking “IN GENERAL” and inserting  
13           “AGREEMENTS AND CONDITIONS”;

14           (ii) by striking “The Committee” and  
15           inserting the following:

16           “(i) IN GENERAL.—The Committee”;

17           (iii) by striking “threat” and inserting  
18           “risk”; and

19           (iv) by adding at the end the fol-  
20           lowing:

21           “(ii) ABANDONMENT OF TRANS-  
22           ACTIONS.—If a party to a covered trans-  
23           action has voluntarily chosen to abandon  
24           the transaction, the Committee or lead  
25           agency, as the case may be, may negotiate,



1 enter into or impose, and enforce any  
2 agreement or condition with any party to  
3 the covered transaction for purposes of ef-  
4 fectuating such abandonment and miti-  
5 gating any risk to the national security of  
6 the United States that arises as a result of  
7 the covered transaction.

8 “(iii) AGREEMENTS AND CONDITIONS  
9 RELATING TO COMPLETED TRANS-  
10 ACTIONS.—The Committee or lead agency,  
11 as the case may be, may negotiate, enter  
12 into or impose, and enforce any agreement  
13 or condition with any party to a completed  
14 covered transaction in order to mitigate  
15 any interim risk to the national security of  
16 the United States that may arise as a re-  
17 sult of the covered transaction until such  
18 time that the Committee has completed ac-  
19 tion pursuant to subsection (b) or the  
20 President has taken action pursuant to  
21 subsection (d) with respect to the trans-  
22 action.”; and

23 (B) by striking subparagraph (B) and in-  
24 serting the following:

1           “(B) LIMITATIONS.—An agreement may  
2 not be entered into or condition imposed under  
3 subparagraph (A) with respect to a covered  
4 transaction unless the Committee determines  
5 that the agreement or condition resolves the na-  
6 tional security concerns posed by the trans-  
7 action, taking into consideration whether the  
8 agreement or condition is reasonably calculated  
9 to—

10                   “(i) be effective;

11                   “(ii) allow for compliance with the  
12 terms of the agreement or condition in an  
13 appropriately verifiable way; and

14                   “(iii) enable effective monitoring of  
15 compliance with and enforcement of the  
16 terms of the agreement or condition.

17           “(C) JURISDICTION.—The provisions of  
18 section 706(b) shall apply to any mitigation  
19 agreement entered into or condition imposed  
20 under subparagraph (A).”;

21           (5) by inserting after paragraph (3), as redesign-  
22 nated by paragraph (2), the following:

23                   “(4) RISK-BASED ANALYSIS REQUIRED.—

24                   “(A) IN GENERAL.—Any determination of  
25 the Committee to suspend a covered transaction

1 under paragraph (1), to refer a covered trans-  
2 action to the President under paragraph (2), or  
3 to negotiate, enter into or impose, or enforce  
4 any agreement or condition under paragraph  
5 (3)(A) with respect to a covered transaction,  
6 shall be based on a risk-based analysis, con-  
7 ducted by the Committee, of the effects on the  
8 national security of the United States of the  
9 covered transaction, which shall include an as-  
10 sessment of the threat, vulnerabilities, and con-  
11 sequences to national security related to the  
12 transaction.

13 “(B) ACTIONS OF MEMBERS OF THE COM-  
14 MITTEE.—

15 “(i) IN GENERAL.—Any member of  
16 the Committee who concludes that a cov-  
17 ered transaction poses an unresolved na-  
18 tional security concern shall recommend to  
19 the Committee that the Committee sus-  
20 pend the transaction under paragraph (1),  
21 refer the transaction to the President  
22 under paragraph (2), or negotiate, enter  
23 into or impose, or enforce any agreement  
24 or condition under paragraph (3)(A) with  
25 respect to the transaction. In making that

1 recommendation, the member shall propose  
2 or contribute to the risk-based analysis re-  
3 quired by subparagraph (A).

4 “(ii) FAILURE TO REACH CON-  
5 SENSUS.—If the Committee fails to reach  
6 consensus with respect to a recommenda-  
7 tion under clause (i) regarding a covered  
8 transaction, the members of the Committee  
9 who support an alternative recommenda-  
10 tion shall produce—

11 “(I) a written statement justi-  
12 fying the alternative recommendation;  
13 and

14 “(II) as appropriate, a risk-based  
15 analysis that supports the alternative  
16 recommendation.

17 “(C) DEFINITIONS.—For purposes of sub-  
18 paragraph (A), the terms ‘threat’,  
19 ‘vulnerabilities’, and ‘consequences to national  
20 security’ shall have the meanings given those  
21 terms by the Committee by regulation.”;

22 (6) in paragraph (5)(B), as redesignated by  
23 paragraph (2), by striking “(as defined in the Na-  
24 tional Security Act of 1947)”; and

1           (7) in paragraph (6), as redesignated by para-  
2 graph (2)—

3           (A) in subparagraph (A)—

4           (i) by striking “paragraph (1)” and  
5 inserting “paragraph (3)”; and

6           (ii) by striking the second sentence  
7 and inserting the following: “The lead  
8 agency may, at its discretion, seek and re-  
9 ceive the assistance of other departments  
10 or agencies in carrying out the purposes of  
11 this paragraph.”;

12          (B) in subparagraph (B)—

13          (i) by striking “DESIGNATED AGEN-  
14 CY” and all that follows through “The lead  
15 agency in connection” and inserting “DES-  
16 IGNATED AGENCY.—The lead agency in  
17 connection”;

18          (ii) by striking clause (ii); and

19          (iii) by redesignating subclauses (I)  
20 and (II) as clauses (i) and (ii), respec-  
21 tively, and by moving such clauses, as so  
22 redesignated, 2 ems to the left; and

23          (C) by adding at the end the following:

24          “(C) COMPLIANCE PLANS.—

1           “(i) IN GENERAL.—In the case of a  
2 covered transaction with respect to which  
3 an agreement is entered into under para-  
4 graph (3)(A), the Committee or lead agen-  
5 cy, as the case may be, shall formulate, ad-  
6 here to, and keep updated a plan for moni-  
7 toring compliance with the agreement.

8           “(ii) ELEMENTS.—Each plan required  
9 by clause (i) with respect to an agreement  
10 entered into under paragraph (3)(A) shall  
11 include an explanation of—

12           “(I) which member of the Com-  
13 mittee will have primary responsibility  
14 for monitoring compliance with the  
15 agreement;

16           “(II) how compliance with the  
17 agreement will be monitored;

18           “(III) how frequently compliance  
19 reviews will be conducted;

20           “(IV) whether an independent  
21 entity will be utilized under subpara-  
22 graph (E) to conduct compliance re-  
23 views; and

24           “(V) what actions will be taken if  
25 the parties fail to cooperate regarding

1 monitoring compliance with the agree-  
2 ment.

3 “(D) EFFECT OF LACK OF COMPLIANCE.—

4 If, at any time after a mitigation agreement or  
5 condition is entered into or imposed under  
6 paragraph (3)(A), the Committee or lead agen-  
7 cy, as the case may be, determines that a party  
8 or parties to the agreement or condition are not  
9 in compliance with the terms of the agreement  
10 or condition, the Committee or lead agency  
11 may, in addition to the authority of the Com-  
12 mittee to impose penalties pursuant to sub-  
13 section (h)(3) and to unilaterally initiate a re-  
14 view of any covered transaction under sub-  
15 section (b)(1)(D)(iii)—

16 “(i) negotiate a plan of action for the  
17 party or parties to remediate the lack of  
18 compliance, with failure to abide by the  
19 plan or otherwise remediate the lack of  
20 compliance serving as the basis for the  
21 Committee to find a material breach of the  
22 agreement or condition;

23 “(ii) require that the party or parties  
24 submit a written notice under clause (i) of  
25 subsection (b)(1)(C) or a declaration under

1 clause (v) of that subsection with respect  
2 to a covered transaction initiated after the  
3 date of the determination of noncompliance  
4 and before the date that is 5 years after  
5 the date of the determination to the Com-  
6 mittee to initiate a review of the trans-  
7 action under subsection (b); or

8 “(iii) seek injunctive relief.

9 “(E) USE OF INDEPENDENT ENTITIES TO  
10 MONITOR COMPLIANCE.—If the parties to an  
11 agreement entered into under paragraph (3)(A)  
12 enter into a contract with an independent entity  
13 from outside the United States Government for  
14 the purpose of monitoring compliance with the  
15 agreement, the Committee shall take such ac-  
16 tion as is necessary to prevent a conflict of in-  
17 terest from arising by ensuring that the inde-  
18 pendent entity owes no fiduciary duty to the  
19 parties.

20 “(F) SUCCESSORS AND ASSIGNS.—Any  
21 agreement or condition entered into or imposed  
22 under paragraph (3)(A) shall be considered  
23 binding on all successors and assigns unless  
24 and until the agreement or condition terminates



1 on its own terms or is otherwise terminated by  
2 the Committee in its sole discretion.

3 “(G) ADDITIONAL COMPLIANCE MEAS-  
4 URES.—Subject to subparagraphs (A) through  
5 (F), the Committee shall develop and agree  
6 upon methods for evaluating compliance with  
7 any agreement entered into or condition im-  
8 posed with respect to a covered transaction that  
9 will allow the Committee to adequately ensure  
10 compliance without unnecessarily diverting  
11 Committee resources from assessing any new  
12 covered transaction for which a written notice  
13 under clause (i) of subsection (b)(1)(C) or dec-  
14 laration under clause (v) of that subsection has  
15 been filed, and if necessary, reaching a mitiga-  
16 tion agreement with or imposing a condition on  
17 a party to such covered transaction or any cov-  
18 ered transaction for which a review has been re-  
19 opened for any reason.”.

20 **SEC. 1718. MODIFICATION OF ANNUAL REPORT AND OTHER**  
21 **REPORTING REQUIREMENTS.**

22 (a) MODIFICATION OF ANNUAL REPORT.—Section  
23 721(m) of the Defense Production Act of 1950 (50 U.S.C.  
24 4565(m)) is amended—

25 (1) in paragraph (2)—

1 (A) by amending subparagraph (A) to read  
2 as follows:

3 “(A) A list of all notices filed and all re-  
4 views or investigations of covered transactions  
5 completed during the period, with—

6 “(i) a description of the outcome of  
7 each review or investigation, including  
8 whether an agreement was entered into or  
9 condition was imposed under subsection  
10 (l)(3)(A) with respect to the transaction  
11 being reviewed or investigated, and wheth-  
12 er the President took any action under this  
13 section with respect to that transaction;

14 “(ii) basic information on each party  
15 to each such transaction;

16 “(iii) the nature of the business activi-  
17 ties or products of the United States busi-  
18 ness with which the transaction was en-  
19 tered into or intended to be entered into;  
20 and

21 “(iv) information about any with-  
22 drawal from the process.”; and

23 (B) by adding at the end the following:

24 “(G) Statistics on compliance plans con-  
25 ducted and actions taken by the Committee

1 under subsection (l)(6), including subparagraph  
2 (D) of that subsection, during that period, a  
3 general assessment of the compliance of parties  
4 with agreements entered into and conditions  
5 imposed under subsection (l)(3)(A) that are in  
6 effect during that period, including a descrip-  
7 tion of any actions taken by the Committee to  
8 impose penalties or initiate a unilateral review  
9 pursuant to subsection (b)(1)(D)(iii), and any  
10 recommendations for improving the enforce-  
11 ment of such agreements and conditions.

12 “(H) Cumulative and, as appropriate,  
13 trend information on the number of declara-  
14 tions filed under subsection (b)(1)(C)(v), the  
15 actions taken by the Committee in response to  
16 those declarations, the business sectors involved  
17 in those declarations, and the countries involved  
18 in those declarations.

19 “(I) A description of—

20 “(i) the methods used by the Com-  
21 mittee to monitor non-notified and non-de-  
22 clared transactions under subsection  
23 (b)(1)(H);

1           “(ii) potential methods to improve  
2           such monitoring and the resources required  
3           to do so; and

4           “(iii) the number of transactions iden-  
5           tified through the mechanism established  
6           under that subsection during the reporting  
7           period and the number of such trans-  
8           actions flagged for further review.”;

9           (2) in paragraph (3)—

10           (A) by striking “CRITICAL TECHNOLOGIES”  
11           and all that follows through “In order to as-  
12           sist” and inserting “CRITICAL TECH-  
13           NOLOGIES.—In order to assist”;

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

15           (C) by redesignating clauses (i) and (ii) as  
16           subparagraphs (A) and (B), respectively, and  
17           by moving such subparagraphs, as so redesign-  
18           ated, 2 ems to the left; and

19           (3) by adding at the end the following:

20           “(4) FORM OF REPORT.—

21           “(A) IN GENERAL.—All appropriate por-  
22           tions of the annual report under paragraph (1)  
23           may be classified. An unclassified version of the  
24           report, as appropriate, consistent with safe-

1           guarding national security and privacy, shall be  
2           made available to the public.

3           “(B) INCLUSIONS IN UNCLASSIFIED  
4           VERSION.—The unclassified version of the re-  
5           port required under paragraph (1) shall include,  
6           with respect to covered transactions for the re-  
7           porting period—

8                   “(i) the number of notices submitted  
9                   under subsection (b)(1)(C)(i);

10                   “(ii) the number of declarations sub-  
11                   mitted under subsection (b)(1)(C)(v) and  
12                   the number of such declarations that were  
13                   required under subclause (IV) of that sub-  
14                   section;

15                   “(iii) the number of declarations sub-  
16                   mitted under subsection (b)(1)(C)(v) for  
17                   which the Committee required resubmis-  
18                   sion as notices under subsection  
19                   (b)(1)(C)(i);

20                   “(iv) the average number of days that  
21                   elapsed between submission of a declara-  
22                   tion under subsection (b)(1)(C)(v) and the  
23                   acceptance of the declaration by the Com-  
24                   mittee;

1           “(v) information on the time it took  
2 the Committee to provide comments on, or  
3 to accept, notices submitted under sub-  
4 section (b)(1)(C)(i), including—

5           “(I) the average number of busi-  
6 ness days that elapsed between the  
7 date of submission of a draft notice  
8 and the date on which the Committee  
9 provided written comments on the  
10 draft notice;

11           “(II) the average number of busi-  
12 ness days that elapsed between the  
13 date of submission of a final notice  
14 and the date on which the Committee  
15 accepted or provided written com-  
16 ments on the final notice; and

17           “(III) if the average number of  
18 business days for a response by the  
19 Committee reported under subclause  
20 (I) or (II) exceeded 10 business  
21 days—

22           “(aa) an explanation of the  
23 causes of such delays, including  
24 whether such delays are caused  
25 by resource shortages, unusual

1 fluctuations in the volume of no-  
2 tices, transaction characteristics,  
3 or other factors; and

4 “(bb) an explanation of the  
5 steps that the Committee antici-  
6 pates taking to mitigate the  
7 causes of such delays and other-  
8 wise to improve the ability of the  
9 Committee to provide comments  
10 on, or to accept, notices within  
11 10 business days;

12 “(vi) the number of reviews or inves-  
13 tigation conducted under subsection (b);

14 “(vii) the number of investigations  
15 that were subject to an extension under  
16 subsection (b)(2)(C)(ii);

17 “(viii) information on the duration of  
18 those reviews and investigations, including  
19 the average number of days required to  
20 complete those reviews and investigations;

21 “(ix) the number of notices submitted  
22 under subsection (b)(1)(C)(i) and declara-  
23 tions submitted under subsection  
24 (b)(1)(C)(v) that were rejected by the  
25 Committee;

1           “(x) the number of such notices and  
2           declarations that were withdrawn by a  
3           party to the covered transaction;

4           “(xi) the number of such withdrawals  
5           that were followed by the submission of a  
6           subsequent such notice or declaration re-  
7           lating to a substantially similar covered  
8           transaction; and

9           “(xii) such other specific, cumulative,  
10          or trend information that the Committee  
11          determines is advisable to provide for an  
12          assessment of the time required for reviews  
13          and investigations of covered transactions  
14          under this section.”.

15          (b) REPORT ON CHINESE INVESTMENT.—

16               (1) IN GENERAL.—Not later than 2 years after  
17          the date of the enactment of this Act, and every 2  
18          years thereafter through 2026, the Secretary of  
19          Commerce shall submit to Congress and the Com-  
20          mittee on Foreign Investment in the United States  
21          a report on foreign direct investment transactions  
22          made by entities of the People’s Republic of China  
23          in the United States.

24               (2) ELEMENTS.—Each report required by para-  
25          graph (1) shall include the following:



1 (A) Total foreign direct investment from  
2 the People's Republic of China in the United  
3 States, including total foreign direct investment  
4 disaggregated by ultimate beneficial owner.

5 (B) A breakdown of investments from the  
6 People's Republic of China in the United States  
7 by value using the following categories:

8 (i) Less than \$50,000,000.

9 (ii) Greater than or equal to  
10 \$50,000,000 and less than \$100,000,000.

11 (iii) Greater than or equal to  
12 \$100,000,000 and less than  
13 \$1,000,000,000.

14 (iv) Greater than or equal to  
15 \$1,000,000,000 and less than  
16 \$2,000,000,000.

17 (v) Greater than or equal to  
18 \$2,000,000,000 and less than  
19 \$5,000,000,000.

20 (vi) Greater than or equal to  
21 \$5,000,000,000.

22 (C) A breakdown of investments from the  
23 People's Republic of China in the United States  
24 by 2-digit North American Industry Classifica-  
25 tion System code.

1 (D) A breakdown of investments from the  
2 People's Republic of China in the United States  
3 by investment type, using the following cat-  
4 egories:

5 (i) Businesses established.

6 (ii) Businesses acquired.

7 (E) A breakdown of investments from the  
8 People's Republic of China in the United States  
9 by government and non-government invest-  
10 ments, including volume, sector, and type of in-  
11 vestment within each category.

12 (F) A list of companies incorporated in the  
13 United States purchased through government  
14 investment by the People's Republic of China.

15 (G) The number of United States affiliates  
16 of entities under the jurisdiction of the People's  
17 Republic of China, the total employees at those  
18 affiliates, and the valuation for any publicly  
19 traded United States affiliate of such an entity.

20 (H) An analysis of patterns in the invest-  
21 ments described in subparagraphs (A) through  
22 (F), including in volume, type, and sector, and  
23 the extent to which those patterns of invest-  
24 ments align with the objectives outlined by the  
25 Government of the People's Republic of China

1 in its Made in China 2025 plan, including a  
2 comparative analysis of investments from the  
3 People’s Republic of China in the United States  
4 and all foreign direct investment in the United  
5 States.

6 (I) An identification of any limitations on  
7 the ability of the Secretary of Commerce to col-  
8 lect comprehensive information that is reason-  
9 ably and lawfully available about foreign invest-  
10 ment in the United States from the People’s  
11 Republic of China on a timeline necessary to  
12 complete reports every 2 years as required by  
13 paragraph (1), including—

14 (i) an identification of any discrep-  
15 ancies between government and private  
16 sector estimates of investments from the  
17 People’s Republic of China in the United  
18 States;

19 (ii) a description of the different  
20 methodologies or data collection methods,  
21 including by private sector entities, used to  
22 measure foreign investment that may re-  
23 sult in different estimates; and

24 (iii) recommendations for enhancing  
25 the ability of the Secretary of Commerce to

1           improve data collection of information  
2           about foreign investment in the United  
3           States from the People's Republic of  
4           China.

5           (3) EXTENSION OF DEADLINE.—If, as a result  
6           of a limitation identified under paragraph (2)(I), the  
7           Secretary of Commerce determines that the Sec-  
8           retary will be unable to submit a report at the time  
9           required by paragraph (1), the Secretary may re-  
10          quest additional time to complete the report.

11          (c) REPORT ON CERTAIN INVESTMENTS BY STATE-  
12 OWNED OR STATE-CONTROLLED ENTITIES.—

13          (1) IN GENERAL.—Not later than one year  
14          after the date of the enactment of this Act, an ap-  
15          propriate member or members of the Committee on  
16          Foreign Investment in the United States shall, in co-  
17          ordination with the chairperson of the Committee,  
18          submit to Congress a report assessing—

19                  (A) national security threats related to in-  
20                  vestments in the United States by state-owned  
21                  or state-controlled entities in the manufacture  
22                  or assembly of rolling stock or other assets for  
23                  use in freight rail, public transportation, or  
24                  intercity passenger rail systems, including the  
25                  construction of new facilities;

1 (B) how the number and types of such in-  
2 vestments could affect any such threats; and

3 (C) the authority and ability of the Com-  
4 mittee to respond to such threats.

5 (2) CONSULTATION.—The member or members  
6 of the Committee on Foreign Investment in the  
7 United States preparing the report required by para-  
8 graph (1) shall consult with the Secretary of Trans-  
9 portation and the head of any agency that is not  
10 represented on the Committee that has significant  
11 technical expertise related to the assessments re-  
12 quired by paragraph (1).

13 **SEC. 1719. CERTIFICATION OF NOTICES AND INFORMATION.**

14 Section 721(n) of the Defense Production Act of  
15 1950 (50 U.S.C. 4565(n)) is amended—

16 (1) by redesignating paragraphs (1) and (2) as  
17 subparagraphs (A) and (B), respectively, and by  
18 moving such subparagraphs, as so redesignated, 2  
19 ems to the right;

20 (2) by striking “Each notice” and inserting the  
21 following:

22 “(1) IN GENERAL.—Each notice”;

23 (3) by striking “paragraph (3)(B)” and insert-  
24 ing “paragraph (6)(B)”;

1           (4) by striking “paragraph (1)(A)” and insert-  
2           ing “paragraph (3)(A)”;

3           (5) by adding at the end the following:

4           “(2) EFFECT OF FAILURE TO SUBMIT.—The  
5           Committee may not complete a review under this  
6           section of a covered transaction and may recommend  
7           to the President that the President suspend or pro-  
8           hibit the transaction or require divestment under  
9           subsection (d) if the Committee determines that a  
10          party to the transaction has—

11                   “(A) failed to submit a statement required  
12                   by paragraph (1); or

13                   “(B) included false or misleading informa-  
14                   tion in a notice or information described in  
15                   paragraph (1) or omitted material information  
16                   from such notice or information.

17           “(3) APPLICABILITY OF LAW ON FRAUD AND  
18           FALSE STATEMENTS.—The Committee shall pre-  
19           scribe regulations expressly providing for the appli-  
20           cation of section 1001 of title 18, United States  
21           Code, to all information provided to the Committee  
22           under this section by any party to a covered trans-  
23           action.”.

1 **SEC. 1720. IMPLEMENTATION PLANS.**

2 (a) IN GENERAL.—Not later than 180 days after the  
3 date of the enactment of this Act, the chairperson of the  
4 Committee on Foreign Investment in the United States  
5 and the Secretary of Commerce shall, in consultation with  
6 the appropriate members of the Committee—

7 (1) develop plans to implement this title; and

8 (2) submit to the appropriate congressional  
9 committees a report on the plans developed under  
10 paragraph (1), which shall include a description of—

11 (A) the timeline and process to implement  
12 the provisions of, and amendments made by,  
13 this title;

14 (B) any additional staff necessary to im-  
15 plement the plans; and

16 (C) the resources required to effectively  
17 implement the plans.

18 (b) APPROPRIATE CONGRESSIONAL COMMITTEES  
19 DEFINED.—In this section, the term “appropriate con-  
20 gressional committees” means—

21 (1) the Committee on Banking, Housing, and  
22 Urban Affairs and the Committee on Appropriations  
23 of the Senate; and

24 (2) the Committee on Financial Services and  
25 the Committee on Appropriations of the House of  
26 Representatives.

1 **SEC. 1721. ASSESSMENT OF NEED FOR ADDITIONAL RE-**  
2 **SOURCES FOR COMMITTEE.**

3 The President shall—

4 (1) determine whether and to what extent the  
5 expansion of the responsibilities of the Committee on  
6 Foreign Investment in the United States pursuant  
7 to the amendments made by this title necessitates  
8 additional resources for the Committee and the de-  
9 partments and agencies represented on the Com-  
10 mittee to perform their functions under section 721  
11 of the Defense Production Act of 1950, as amended  
12 by this title; and

13 (2) if the President determines that additional  
14 resources are necessary, include in the budget of the  
15 President for fiscal year 2019 and each fiscal year  
16 thereafter submitted to Congress under section  
17 1105(a) of title 31, United States Code, a request  
18 for such additional resources.

19 **SEC. 1722. FUNDING.**

20 Section 721 of the Defense Production Act of 1950  
21 (50 U.S.C. 4565) is amended by adding at the end the  
22 following:

23 “(o) FUNDING.—

24 “(1) ESTABLISHMENT OF FUND.—There is es-  
25 tablished in the Treasury of the United States a  
26 fund, to be known as the ‘Committee on Foreign In-



1 vestment in the United States Fund' (in this sub-  
2 section referred to as the 'Fund'), to be adminis-  
3 tered by the chairperson.

4 “(2) APPROPRIATION OF FUNDS FOR THE COM-  
5 MITTEE.—There are authorized to be appropriated  
6 to the Fund such sums as may be necessary to per-  
7 form the functions of the Committee.

8 “(3) FILING FEES.—

9 “(A) IN GENERAL.—The Committee may  
10 assess and collect a fee in an amount deter-  
11 mined by the Committee in regulations, to the  
12 extent provided in advance in appropriations  
13 Acts, without regard to section 9701 of title 31,  
14 United States Code, and subject to subpara-  
15 graph (B), with respect to each covered trans-  
16 action for which a written notice is submitted to  
17 the Committee under subsection (b)(1)(C)(i).  
18 The total amount of fees collected under this  
19 paragraph may not exceed the costs of admin-  
20 istering this section.

21 “(B) DETERMINATION OF AMOUNT OF  
22 FEE.—

23 “(i) IN GENERAL.—In determining  
24 the amount of the fee to be assessed under  
25 subparagraph (A) with respect to a covered

1 transaction, the Committee shall base the  
2 amount of the fee on the value of the  
3 transaction, taking into consideration—

4 “(I) the effect of the fee on small  
5 business concerns (as defined in sec-  
6 tion 3 of the Small Business Act (15  
7 U.S.C. 632));

8 “(II) the expenses of the Com-  
9 mittee associated with conducting ac-  
10 tivities under this section;

11 “(III) the effect of the fee on for-  
12 eign investment; and

13 “(IV) such other matters as the  
14 Committee considers appropriate.

15 “(ii) PRIORITIZATION FEE.—The  
16 Committee may establish a fee or fee scale  
17 to prioritize the timing of the response of  
18 the Committee to a draft or final written  
19 notice during the period before the Com-  
20 mittee accepts the final written notice  
21 under subsection (b)(1)(C)(i), in the event  
22 that the Committee is unable to respond  
23 during the time required by subclause (II)  
24 of that subsection because of an unusually

1 large influx of notices, or for other rea-  
2 sons.

3 “(iii) UPDATES.—The Committee  
4 shall periodically reconsider and adjust the  
5 amount of the fee to be assessed under  
6 subparagraph (A) with respect to a covered  
7 transaction to ensure that the amount of  
8 the fee does not exceed the costs of admin-  
9 istering this section and otherwise remains  
10 appropriate.

11 “(C) DEPOSIT AND AVAILABILITY OF  
12 FEES.—Notwithstanding section 3302 of title  
13 31, United States Code, fees collected under  
14 subparagraph (A) shall—

15 “(i) be deposited into the Fund solely  
16 for use in carrying out activities under this  
17 section;

18 “(ii) to the extent and in the amounts  
19 provided in advance in appropriations Acts,  
20 be available to the chairperson;

21 “(iii) remain available until expended;  
22 and

23 “(iv) be in addition to any appropria-  
24 tions made available to the members of the  
25 Committee.

1           “(4) TRANSFER OF FUNDS.—To the extent pro-  
2           vided in advance in appropriations Acts, the chair-  
3           person may transfer any amounts in the Fund to  
4           any other department or agency represented on the  
5           Committee for the purpose of addressing emerging  
6           needs in carrying out activities under this section.  
7           Amounts so transferred shall be in addition to any  
8           other amounts available to that department or agen-  
9           cy for that purpose.”.

10 **SEC. 1723. CENTRALIZATION OF CERTAIN COMMITTEE**  
11 **FUNCTIONS.**

12           Section 721 of the Defense Production Act of 1950  
13 (50 U.S.C. 4565), as amended by section 1722, is further  
14 amended by adding at the end the following:

15           “(p) CENTRALIZATION OF CERTAIN COMMITTEE  
16 FUNCTIONS.—

17           “(1) IN GENERAL.—The chairperson, in con-  
18 sultation with the Committee, may centralize certain  
19 functions of the Committee within the Department  
20 of the Treasury for the purpose of enhancing inter-  
21 agency coordination and collaboration in carrying  
22 out the functions of the Committee under this sec-  
23 tion.

24           “(2) FUNCTIONS.—Functions that may be cen-  
25 tralized under paragraph (1) include monitoring

1 non-notified and non-declared transactions pursuant  
2 to subsection (b)(1)(H), and other functions as de-  
3 termined by the chairperson and the Committee.

4 “(3) RULE OF CONSTRUCTION.—Nothing in  
5 this section shall be construed as limiting the au-  
6 thority of any department or agency represented on  
7 the Committee to represent its own interests before  
8 the Committee.”.

9 **SEC. 1724. CONFORMING AMENDMENTS.**

10 Section 721 of the Defense Production Act of 1950  
11 (50 U.S.C. 4565), as amended by this title, is further  
12 amended—

13 (1) in subsection (b)—

14 (A) in paragraph (1)(D)(iii)(I), by striking  
15 “subsection (l)(1)(A)” and inserting “sub-  
16 section (l)(3)(A)”; and

17 (B) in paragraph (2)(B)(i)(I), by striking  
18 “that threat” and inserting “the risk”;

19 (2) in subsection (d)(4)(A), by striking “the  
20 foreign interest exercising control” and inserting “a  
21 foreign person that would acquire an interest in a  
22 United States business or its assets as a result of  
23 the covered transaction”; and

24 (3) in subsection (j), by striking “merger, ac-  
25 quisition, or takeover” and inserting “transaction”.

1 **SEC. 1725. REQUIREMENTS TO IDENTIFY AND CONTROL**  
2 **THE EXPORT OF EMERGING AND**  
3 **FOUNDATIONAL TECHNOLOGIES.**

4 (a) IDENTIFICATION OF TECHNOLOGIES.—

5 (1) IN GENERAL.—The President shall establish  
6 and, in coordination with the Secretary of Com-  
7 merce, the Secretary of Defense, the Secretary of  
8 Energy, the Secretary of State, and the heads of  
9 other Federal agencies as appropriate, lead, a reg-  
10 ular, ongoing interagency process to identify emerg-  
11 ing and foundational technologies that—

12 (A) are essential to the national security of  
13 the United States; and

14 (B) are not critical technologies described  
15 in clauses (i) through (v) of section  
16 721(a)(8)(B) of the Defense Production Act of  
17 1950, as amended by section 1703.

18 (2) PROCESS.—The interagency process estab-  
19 lished under subsection (a) shall—

20 (A) be informed by multiple sources of in-  
21 formation, including—

22 (i) publicly available information;

23 (ii) classified information, including  
24 relevant information provided by the Direc-  
25 tor of National Intelligence;

1 (iii) information relating to reviews  
2 and investigations of transactions by the  
3 Committee on Foreign Investment in the  
4 United States under section 721 of the De-  
5 fense Production Act of 1950 (50 U.S.C.  
6 4565); and

7 (iv) information provided by the advi-  
8 sory committees established by the Sec-  
9 retary of Commerce to advise the Under  
10 Secretary of Commerce for Industry and  
11 Security on controls under the Export Ad-  
12 ministration Regulations, including the  
13 Emerging Technology and Research Advi-  
14 sory Committee;

15 (B) take into account—

16 (i) the development of emerging and  
17 foundational technologies in foreign coun-  
18 tries;

19 (ii) the effect export controls imposed  
20 pursuant to this section may have on the  
21 development of such technologies in the  
22 United States; and

23 (iii) the effectiveness of export con-  
24 trols imposed pursuant to this section on  
25 limiting the proliferation of emerging and

1           foundational technologies to foreign coun-  
2           tries; and

3           (C) include a notice and comment period.

4       (b) COMMERCE CONTROLS.—

5           (1) IN GENERAL.—The Secretary of Commerce  
6       shall establish appropriate controls under the Export  
7       Administration Regulations on the export, reexport,  
8       or in-country transfer of technology identified pursu-  
9       ant to subsection (a), including by prescribing addi-  
10      tional regulations.

11       (2) LEVELS OF CONTROL.—

12           (A) IN GENERAL.—The Secretary of Com-  
13      merce may, in coordination with the Secretary  
14      of Defense, the Secretary of State, and the  
15      heads of other Federal agencies, as appropriate,  
16      specify the level of control to apply under para-  
17      graph (1) with respect to the export of tech-  
18      nology described in that paragraph, including a  
19      requirement for a license or other authorization  
20      for the export, reexport, or in-country transfer  
21      of that technology.

22           (B) CONSIDERATIONS.—In determining  
23      under subparagraph (A) the level of control ap-  
24      propriate for technology described in paragraph



1 (1), the Secretary of Commerce shall take into  
2 account—

- 3 (i) lists of countries to which exports  
4 from the United States are restricted; and  
5 (ii) the potential end uses and end  
6 users of the technology.

7 (C) MINIMUM REQUIREMENTS.—At a min-  
8 imum, except as provided by paragraph (4), the  
9 Secretary of Commerce shall require a license  
10 for the export, reexport, or in-country transfer  
11 of technology described in paragraph (1) to or  
12 in a country subject to an embargo, including  
13 an arms embargo, imposed by the United  
14 States.

15 (3) REVIEW OF LICENSE APPLICATIONS.—

16 (A) PROCEDURES.—The procedures set  
17 forth in Executive Order 12981 (50 U.S.C.  
18 4603 note; relating to administration of export  
19 controls) or a successor order shall apply to the  
20 review of an application for a license or other  
21 authorization for the export, reexport, or in-  
22 country transfer of technology described in  
23 paragraph (1).

24 (B) CONSIDERATION OF INFORMATION RE-  
25 LATING TO NATIONAL SECURITY.—In reviewing

1 an application for a license or other authoriza-  
2 tion for the export, reexport, or in-country  
3 transfer of technology described in paragraph  
4 (1), the Secretary of Commerce shall take into  
5 account information provided by the Director of  
6 National Intelligence regarding any threat to  
7 the national security of the United States posed  
8 by the proposed export, reexport, or transfer.  
9 The Director of National Intelligence shall pro-  
10 vide such information on the request of the Sec-  
11 retary of Commerce.

12 (C) DISCLOSURES RELATING TO COLLABO-  
13 RATIVE ARRANGEMENTS.—In the case of an ap-  
14 plication for a license or other authorization for  
15 the export, reexport, or in-country transfer of  
16 technology described in paragraph (1) sub-  
17 mitted by or on behalf of a joint venture, joint  
18 development agreement, or similar collaborative  
19 arrangement, the Secretary of Commerce may  
20 require the applicant to identify, in addition to  
21 any foreign person participating in the arrange-  
22 ment, any foreign person with significant own-  
23 ership interest in a foreign person participating  
24 in the arrangement.

25 (4) EXCEPTIONS.—

1 (A) MANDATORY EXCEPTIONS.—The Sec-  
2 retary of Commerce may not control under this  
3 subsection the export of any technology—

4 (i) described in section 203(b) of the  
5 International Emergency Economic Powers  
6 Act (50 U.S.C. 1702(b)); or

7 (ii) if the regulation of the export of  
8 that technology is prohibited under any  
9 other provision of law.

10 (B) REGULATORY EXCEPTIONS.—In pre-  
11 scribing regulations under paragraph (1), the  
12 Secretary of Commerce may include regulatory  
13 exceptions to the requirements of that para-  
14 graph.

15 (C) ADDITIONAL EXCEPTIONS.—The Sec-  
16 retary of Commerce shall not be required to im-  
17 pose under paragraph (1) a requirement for a  
18 license or other authorization with respect to  
19 the export, reexport, or in-country transfer of  
20 technology described in paragraph (1) pursuant  
21 to any of the following transactions:

22 (i) The sale or license of a finished  
23 item and the provision of associated tech-  
24 nology if the United States person that is  
25 a party to the transaction generally makes

1 the finished item and associated technology  
2 available to its customers, distributors, or  
3 resellers.

4 (ii) The sale or license to a customer  
5 of a product and the provision of integra-  
6 tion services or similar services if the  
7 United States person that is a party to the  
8 transaction generally makes such services  
9 available to its customers.

10 (iii) The transfer of equipment and  
11 the provision of associated technology to  
12 operate the equipment if the transfer could  
13 not result in the foreign person using the  
14 equipment to produce critical technologies  
15 (as defined in section 721(a) of the De-  
16 fense Production Act of 1950, as amended  
17 by section 1703).

18 (iv) The procurement by the United  
19 States person that is a party to the trans-  
20 action of goods or services, including man-  
21 ufacturing services, from a foreign person  
22 that is a party to the transaction, if the  
23 foreign person has no rights to exploit any  
24 technology contributed by the United

1 States person other than to supply the pro-  
2 cured goods or services.

3 (v) Any contribution and associated  
4 support by a United States person that is  
5 a party to the transaction to an industry  
6 organization related to a standard or speci-  
7 fication, whether in development or de-  
8 clared, including any license of or commit-  
9 ment to license intellectual property in  
10 compliance with the rules of any standards  
11 organization (as defined by the Secretary  
12 by regulation).

13 (c) MULTILATERAL CONTROLS.—

14 (1) IN GENERAL.—The Secretary of State, in  
15 consultation with the Secretary of Commerce and  
16 the Secretary of Defense, and the heads of other  
17 Federal agencies, as appropriate, may propose that  
18 any technology identified pursuant to subsection (a)  
19 be added to the list of technologies controlled by the  
20 relevant multilateral export control regimes.

21 (2) ITEMS ON COMMERCE CONTROL LIST OR  
22 UNITED STATES MUNITIONS LIST.—

23 (A) IN GENERAL.—If the Secretary of  
24 State proposes to a multilateral export control  
25 regime under paragraph (1) to add a technology

1 identified pursuant to subsection (a) to the con-  
2 trol list of that regime and that regime does not  
3 add that technology to the control list during  
4 the 3-year period beginning on the date of the  
5 proposal, the applicable agency head may deter-  
6 mine whether national security concerns war-  
7 rant the continuation of unilateral export con-  
8 trols with respect to that technology.

9 (B) APPLICABLE AGENCY HEAD DE-  
10 FINED.—In this paragraph, the term “applica-  
11 ble agency head” means—

12 (i) in the case of technology listed on  
13 the Commerce Control List set forth in  
14 Supplement No. 1 to part 774 of the Ex-  
15 port Administration Regulations, the Sec-  
16 retary of Commerce, in consultation with  
17 the Secretary of Defense and the Secretary  
18 of State; and

19 (ii) in the case of technology listed on  
20 the United States Munitions List set forth  
21 in part 121 of title 22, Code of Federal  
22 Regulations, the Secretary of State, in con-  
23 sultation with the Secretary of Defense  
24 and the heads of other Federal agencies,  
25 as appropriate.

1 (d) REPORT TO COMMITTEE ON FOREIGN INVEST-  
2 MENT IN THE UNITED STATES.—Not less frequently than  
3 every 180 days, the Secretary of Commerce, in coordina-  
4 tion with the Secretary of Defense, the Secretary of State,  
5 and the heads of other Federal agencies, as appropriate,  
6 shall submit to the Committee on Foreign Investment in  
7 the United States a report on the results of actions taken  
8 pursuant to this section.

9 (e) REPORT TO CONGRESS.—Not less frequently than  
10 every 180 days, the Secretary of Commerce, in coordina-  
11 tion with the Secretary of Defense, the Secretary of State,  
12 and the heads of other Federal agencies, as appropriate,  
13 shall submit a report on the results of actions taken pursu-  
14 ant to this section, including actions taken pursuant to  
15 subsections (a), (b), and (c), to—

16 (1) the Committee on Banking, Housing, and  
17 Urban Affairs, the Committee on Foreign Relations,  
18 the Committee on Armed Services, and the Select  
19 Committee on Intelligence of the Senate; and

20 (2) the Committee on Financial Services, the  
21 Committee on Foreign Affairs, the Committee on  
22 Armed Services, and the Permanent Select Com-  
23 mittee on Intelligence of the House of Representa-  
24 tives.

1 (f) MODIFICATIONS TO EMERGING TECHNOLOGY  
2 AND RESEARCH ADVISORY COMMITTEE.—

3 (1) IN GENERAL.—The Secretary of Commerce  
4 shall revise the objectives of the Emerging Tech-  
5 nology and Research Advisory Committee, estab-  
6 lished by the Secretary under the Export Adminis-  
7 tration Regulations, to include advising the inter-  
8 agency process established under subsection (a) with  
9 respect to emerging and foundational technologies.

10 (2) DUTIES.—The Secretary—

11 (A) shall revise the duties of the Emerging  
12 Technology and Research Advisory Committee  
13 to include identifying emerging and  
14 foundational technologies that may be developed  
15 over a period of 5 years or 10 years; and

16 (B) may revise the duties of the Advisory  
17 Committee to include identifying trends in—

18 (i) the ownership by foreign persons  
19 and foreign governments of such tech-  
20 nologies;

21 (ii) the types of transactions related  
22 to such technologies engaged in by foreign  
23 persons and foreign governments;



1 (iii) the blending of private and gov-  
2 ernment investment in such technologies;  
3 and

4 (iv) efforts to obfuscate ownership of  
5 such technologies or to otherwise cir-  
6 cumvent the controls established under this  
7 section.

8 (3) MEETINGS.—

9 (A) FREQUENCY.—The Emerging Tech-  
10 nology and Research Advisory Committee  
11 should meet not less frequently than every 120  
12 days.

13 (B) ATTENDANCE.—A representative from  
14 each agency participating in the interagency  
15 process established under subsection (a) should  
16 be in attendance at each meeting of the Emerg-  
17 ing Technology and Research Advisory Com-  
18 mittee.

19 (4) CLASSIFIED INFORMATION.—Not fewer  
20 than half of the members of the Emerging Tech-  
21 nology and Research Advisory Committee should  
22 hold sufficient security clearances such that classi-  
23 fied information, including classified information de-  
24 scribed in clauses (ii) and (iii) of subsection  
25 (a)(2)(A), from the interagency process established

1 under subsection (a) can be shared with those mem-  
2 bers to inform the advice provided by the Advisory  
3 Committee.

4 (5) APPLICABILITY OF FEDERAL ADVISORY  
5 COMMITTEE ACT.—Subsections (a)(1), (a)(3), and  
6 (b) of section 10 and sections 11, 13, and 14 of the  
7 Federal Advisory Committee Act (5 U.S.C. App.)  
8 shall not apply to the Emerging Technology and Re-  
9 search Advisory Committee.

10 (6) REPORT.—The Emerging Technology and  
11 Research Advisory Committee shall include the find-  
12 ings of the Advisory Committee under this sub-  
13 section in the annual report to Congress required by  
14 section 14 of the Export Administration Act of 1979  
15 (50 U.S.C. 4616) (as continued in effect pursuant to  
16 the International Emergency Economic Powers Act  
17 (50 U.S.C. 1701 et seq.)).

18 (g) RULE OF CONSTRUCTION.—Nothing in this sec-  
19 tion shall be construed to alter or limit—

20 (1) the authority of the President or the Sec-  
21 retary of State to designate items as defense articles  
22 and defense services for the purposes of the Arms  
23 Export Control Act (22 U.S.C. 2751 et seq.) or to  
24 otherwise regulate such items; or

1           (2) the authority of the President under the  
2 Atomic Energy Act of 1954 (42 U.S.C. 2011 et  
3 seq.), the Nuclear Non-Proliferation Act of 1978 (22  
4 U.S.C. 3201 et seq.), the Energy Reorganization Act  
5 of 1974 (42 U.S.C. 5801 et seq.), or the Export Ad-  
6 ministration Act of 1979 (50 U.S.C. 4601 et seq.)  
7 (as continued in effect pursuant to the International  
8 Emergency Economic Powers Act (50 U.S.C. 1701  
9 et seq.)) or any other provision of law relating to the  
10 control of exports.

11 (h) DEFINITIONS.—In this section:

12           (1) EXPORT ADMINISTRATION REGULATIONS.—  
13 The term “Export Administration Regulations”  
14 means subchapter C of chapter VII of title 15, Code  
15 of Federal Regulations.

16           (2) IN-COUNTRY TRANSFER.—The term “in-  
17 country transfer” has the meaning given to the term  
18 in the Export Administration Regulations.

19           (3) REEXPORT.—The term “reexport” has the  
20 meaning given to the term in the Export Adminis-  
21 tration Regulations.

22           (4) UNITED STATES PERSON.—The term  
23 “United States person” means any person subject to  
24 the jurisdiction of the United States.

1 **SEC. 1726. EXPORT CONTROL ENFORCEMENT AUTHORITY.**

2 (a) **AUTHORITIES.**—In order to enforce the provisions  
3 of the Export Administration Regulations under sub-  
4 chapter C of chapter VII of title 15, Code of Federal Reg-  
5 ulations, issued under the authority of the International  
6 Emergency Economic Powers Act (50 U.S.C. 1701 et  
7 seq.) (pursuant to which the President has continued in  
8 effect authorities granted under the Export Administra-  
9 tion Act of 1979 (50 U.S.C. 4601 et seq.)), the President  
10 shall delegate to the Secretary of Commerce, in addition  
11 to existing authorities, the authority to authorize any law  
12 enforcement officer of the Department of Commerce to  
13 conduct investigations (including undercover investiga-  
14 tions) in the United States and in other countries when  
15 permitted under such countries' laws using all applicable  
16 laws of the United States.

17 (b) **BEST PRACTICE GUIDELINES.**—The Secretary of  
18 Commerce, in consultation with the heads of appropriate  
19 Federal agencies, may publish and update best practices  
20 guidelines to assist persons in developing and imple-  
21 menting, on a voluntary basis, effective export control pro-  
22 grams in compliance with the Export Administration Reg-  
23 ulations.

24 (c) **CONFIDENTIALITY OF INFORMATION.**—

25 (1) **EXEMPTIONS FROM DISCLOSURE.**—

1 (A) IN GENERAL.—Information obtained  
2 under the Export Administration Act of 1979  
3 (50 U.S.C. 2601 et seq.) (as continued in effect  
4 pursuant to the International Emergency Eco-  
5 nomic Powers Act (50 U.S.C. 1701 et seq.))  
6 may be withheld from disclosure only to the ex-  
7 tent permitted by statute, except that informa-  
8 tion described in subparagraph (B) shall be  
9 withheld from public disclosure and shall not be  
10 subject to disclosure under section 552(b)(3) of  
11 title 5, United States Code, unless the release  
12 of such information is determined by the Sec-  
13 retary to be in the national interest.

14 (B) INFORMATION DESCRIBED.—Informa-  
15 tion described in this subparagraph is informa-  
16 tion submitted or obtained in connection with  
17 an application for a license or other authoriza-  
18 tion to export, reexport, or transfer items or en-  
19 gage in other activities, a recordkeeping or re-  
20 porting requirement, enforcement activity, or  
21 other operations under the Export Administra-  
22 tion Act of 1979, including—

23 (i) the license application, license, or  
24 other authorization itself;

1 (ii) classification or advisory opinion  
2 requests, and any response to such a re-  
3 quest;

4 (iii) license determinations and infor-  
5 mation pertaining to such determinations;

6 (iv) information or evidence obtained  
7 in the course of any investigation; and

8 (v) information obtained or furnished  
9 in connection with any international agree-  
10 ment, treaty, or other obligation.

11 (2) INFORMATION TO CONGRESS AND GAO.—

12 (A) IN GENERAL.—Nothing in this section  
13 shall be construed as authorizing the with-  
14 holding of information from Congress or the  
15 Comptroller General of the United States.

16 (B) AVAILABILITY TO CONGRESS.—

17 (i) IN GENERAL.—Information ob-  
18 tained at any time under any provision of  
19 the Export Administration Act of 1979 or  
20 the Export Administration Regulations, in-  
21 cluding reports or license applications re-  
22 quired under any such provision, shall be  
23 made available to a committee or sub-  
24 committee of Congress of appropriate ju-  
25 risdiction, upon the request of the chair-

1 man or ranking member of the committee  
2 or subcommittee.

3 (ii) PROHIBITION ON FURTHER DIS-  
4 CLOSURE.—No committee or subcommittee  
5 referred to in clause (i), or member there-  
6 of, may disclose any information made  
7 available under clause (i) that is submitted  
8 on a confidential basis unless the full com-  
9 mittee determines that the withholding of  
10 that information is contrary to the national  
11 interest.

12 (C) AVAILABILITY TO GAO.—

13 (i) IN GENERAL.—Information de-  
14 scribed in subparagraph (B)(i) shall be  
15 subject to the limitations contained in sec-  
16 tion 716 of title 31, United States Code.

17 (ii) PROHIBITION ON FURTHER DIS-  
18 CLOSURE.—An officer or employee of the  
19 Government Accountability Office may not  
20 disclose, except to Congress in accordance  
21 with this paragraph, any information de-  
22 scribed in subparagraph (B)(i) that is sub-  
23 mitted on a confidential basis or from  
24 which any individual can be identified.

25 (3) INFORMATION SHARING.—

1           (A) EXCHANGE OF INFORMATION.—The  
2 heads of departments, agencies, and offices with  
3 enforcement authorities under the Export Ad-  
4 ministration Act of 1979, consistent with pro-  
5 tection of law enforcement and its sources and  
6 methods, shall exchange any licensing and en-  
7 forcement information with one another that is  
8 necessary to facilitate enforcement efforts under  
9 this section, and shall consult on a regular basis  
10 with one another and with the heads of other  
11 departments, agencies, and offices that obtain  
12 information subject to this paragraph, in order  
13 to facilitate the exchange of such information.

14           (B) PROVISION OF INFORMATION BY FED-  
15 ERAL OFFICIALS.—Any Federal official who ob-  
16 tains information that is relevant to the en-  
17 forcement of the Export Administration Act of  
18 1979, including information pertaining to any  
19 investigation, shall furnish such information to  
20 each appropriate department, agency, or office  
21 with enforcement responsibilities under this sec-  
22 tion to the extent consistent with the protection  
23 of intelligence, counterintelligence, and law en-  
24 forcement sources, methods, and activities.



1 (C) EXCEPTIONS.—The provisions of this  
2 paragraph shall not apply to information sub-  
3 ject to the restrictions set forth in section 9 of  
4 title 13, United States Code. Return informa-  
5 tion, as defined in section 6103(b) of the Inter-  
6 nal Revenue Code of 1986, may be disclosed  
7 only as authorized by that section.

8 (D) INFORMATION SHARING WITH FED-  
9 ERAL AGENCIES.—Licensing or enforcement in-  
10 formation obtained under the Export Adminis-  
11 tration Act of 1979 may be shared with heads  
12 of departments, agencies, and offices that do  
13 not have enforcement authorities under that  
14 Act on a case-by-case basis, at the discretion of  
15 the Secretary of Commerce. Such information  
16 may be shared only when the Secretary makes  
17 a determination that the sharing of the infor-  
18 mation is in the national interest.

19 **SEC. 1727. PROHIBITION ON MODIFICATION OF CIVIL PEN-**  
20 **ALTIES UNDER EXPORT CONTROL AND SANC-**  
21 **TIONS LAWS.**

22 (a) IN GENERAL.—Notwithstanding any other provi-  
23 sion of law, the Executive Office of the President may not  
24 modify any civil penalty, including a denial order, imple-  
25 mented by the Government of the United States with re-

1 spect to a Chinese telecommunications company pursuant  
2 to a determination that the company has violated an ex-  
3 port control or sanctions law of the United States until  
4 the date that is 30 days after the President certifies to  
5 the appropriate congressional committees that the com-  
6 pany—

7 (1) has not, for a period of one year, conducted  
8 activities in violation of the laws of the United  
9 States; and

10 (2) is fully cooperating with investigations into  
11 the activities of the company conducted by the Gov-  
12 ernment of the United States, if any.

13 (b) APPROPRIATE CONGRESSIONAL COMMITTEES  
14 DEFINED.—In this section, the term “appropriate con-  
15 gressional committees” means—

16 (1) the Committee on Banking, Housing, and  
17 Urban Affairs and the Committee on Foreign Rela-  
18 tions of the Senate; and

19 (2) the Committee on Financial Services and  
20 the Committee on Foreign Affairs of the House of  
21 Representatives.

22 **SEC. 1728. UNDER SECRETARY OF COMMERCE FOR INDUS-**  
23 **TRY AND SECURITY.**

24 (a) IN GENERAL.—On and after the date of the en-  
25 actment of this Act, any reference in the Export Adminis-

1 tration Act of 1979 (50 U.S.C. 4601 et seq.) or any other  
2 law or regulation to the Under Secretary of Commerce for  
3 Export Administration shall be deemed to be a reference  
4 to the Under Secretary of Commerce for Industry and Se-  
5 curity.

6 (b) TITLE 5.—Section 5314 of title 5, United States  
7 Code, is amended by striking “Under Secretary of Com-  
8 merce for Export Administration” and inserting “Under  
9 Secretary of Commerce for Industry and Security”.

10 (c) CONTINUATION IN OFFICE.—The individual serv-  
11 ing as Under Secretary of Commerce for Export Adminis-  
12 tration on the day before the date of the enactment of  
13 this Act may serve as the Under Secretary of Commerce  
14 for Industry and Security on and after that date without  
15 the need for renomination or reappointment.

16 **SEC. 1729. LIMITATION ON CANCELLATION OF DESIGNA-**  
17 **TION OF SECRETARY OF THE AIR FORCE AS**  
18 **DEPARTMENT OF DEFENSE EXECUTIVE**  
19 **AGENT FOR A CERTAIN DEFENSE PRODUC-**  
20 **TION ACT PROGRAM.**

21 (a) LIMITATION ON CANCELLATION OF DESIGNA-  
22 TION.—The Secretary of Defense may not implement the  
23 decision, issued on July 1, 2017, to cancel the designation,  
24 under Department of Defense Directive 4400.01E, enti-  
25 tled “Defense Production Act Programs” and dated Octo-

ber 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           (1) jointly carry out and complete a review of  
2           key national security technology capability advan-  
3           tages, competitions, and gaps between the United  
4           States and “near peer” nations;

5           (2) develop a definition of “near peer nation”  
6           for purposes of paragraph (1); and

7           (3) submit to the appropriate congressional  
8           committees a report on the findings of the Secretary  
9           and the Director with respect to the review con-  
10          ducted under paragraph (1).

11          (b) ELEMENTS.—The review conducted under para-  
12          graph (1) of subsection (a), and the report required by  
13          paragraph (3) of that subsection, shall identify, at a min-  
14          imum, the following:

15               (1) Key United States industries and research  
16               and development activities expected to be critical to  
17               maintaining a national security technology capability  
18               if, during the 5-year period beginning on the date of  
19               the enactment of this Act, the Secretary and the Di-  
20               rector anticipate that—

21                       (A) a United States industrial base short-  
22                       fall will exist; and

23                       (B) United States industry will be unable  
24                       to or otherwise will not provide the needed ca-  
25                       pacity in a timely manner without financial as-

1           sistance from the United States Government  
2           through existing statutory authorities specifi-  
3           cally intended for that purpose, including as-  
4           sistance provided under title III of the Defense  
5           Production Act of 1950 (50 U.S.C. 4531 et  
6           seq.) and other appropriate authorities.

7           (2) Key areas in which the United States cur-  
8           rently enjoys a technological advantage.

9           (3) Key areas in which the United States no  
10          longer enjoys a technological advantage.

11          (4) Sectors of the defense industrial base in  
12          which the United States lacks adequate productive  
13          capacity to meet critical national defense needs.

14          (5) Priority areas for which appropriate statu-  
15          tory industrial base incentives should be applied as  
16          the most cost-effective, expedient, and practical al-  
17          ternative for meeting the technology or defense in-  
18          dustrial base needs identified under this subsection,  
19          including—

20                 (A) sustainment of critical production and  
21                 supply chain capabilities;

22                 (B) commercialization of research and de-  
23                 velopment investments;

24                 (C) scaling of emerging technologies; and

1 (D) other areas as determined by the Sec-  
2 retary and the Director.

3 (6) Priority funding recommendations with re-  
4 spect to key areas that the Secretary, in consultation  
5 with the Director, determines are—

6 (A) critical to the United States maintain-  
7 ing superior military capabilities, especially with  
8 respect to potential peer and near peer military  
9 or economic competitors, during the 5-year pe-  
10 riod beginning on the date of the enactment of  
11 this Act; and

12 (B) suitable for long-term investment from  
13 funds made available under title III of the De-  
14 fense Production Act of 1950 and other appro-  
15 priate statutory authorities.

16 (c) FORM OF REPORT.—The report required by sub-  
17 section (a)(3) shall be submitted in unclassified form, but  
18 may include a classified annex.

19 (d) APPROPRIATE CONGRESSIONAL COMMITTEES  
20 DEFINED.—In this section, the term “appropriate con-  
21 gressional committees” means—

22 (1) the Committee on Banking, Housing and  
23 Urban Affairs, the Committee on Armed Services,  
24 and the Select Committee on Intelligence of the Sen-  
25 ate; and

1           (2) the Committee on Financial Services, the  
2           Committee on Armed Services, and the Permanent  
3           Select Committee on Intelligence of the House of  
4           Representatives.

5 **SEC. 1731. BRIEFING ON INFORMATION FROM TRANS-**  
6                           **ACTIONS REVIEWED BY COMMITTEE ON FOR-**  
7                           **EIGN INVESTMENT IN THE UNITED STATES**  
8                           **RELATING TO FOREIGN EFFORTS TO INFLU-**  
9                           **ENCE DEMOCRATIC INSTITUTIONS AND**  
10                          **PROCESSES.**

11           Not later than 60 days after the date of the enact-  
12           ment of this Act, the Secretary of the Treasury (or a des-  
13           ignee of the Secretary) shall provide a briefing to the Com-  
14           mittee on Banking, Housing, and Urban Affairs of the  
15           Senate and the Committee on Financial Services of the  
16           House of Representatives on—

17           (1) transactions reviewed by the Committee on  
18           Foreign Investment in the United States during the  
19           5-year period preceding the briefing that the Com-  
20           mittee determined would have allowed foreign per-  
21           sons to inappropriately influence democratic institu-  
22           tions and processes within the United States and in  
23           other countries; and

24           (2) the disposition of such reviews, including  
25           any steps taken by the Committee to address the



1 risk of allowing foreign persons to influence such in-  
2 stitutions and processes.

3 **SEC. 1732. EFFECTIVE DATE.**

4 (a) IMMEDIATE APPLICABILITY OF CERTAIN PROVI-  
5 SIONS.—The following shall take effect on the date of the  
6 enactment of this Act and apply with respect to any cov-  
7 ered transaction the review or investigation of which is ini-  
8 tiated under section 721 of the Defense Production Act  
9 of 1950 on or after such date of enactment:

10 (1) Sections 1705, 1707, 1708, 1709, 1710,  
11 1713, 1714, 1715, 1716, 1717, 1719, 1720, 1721,  
12 1722, 1723, 1724, 1725, 1726, 1727, 1728, and  
13 1729 and the amendments made by those sections.

14 (2) Section 1712 and the amendments made by  
15 that section (except for clause (iii) of section  
16 721(b)(4)(A) of the Defense Production Act of  
17 1950, as added by section 1712).

18 (3) Paragraphs (1), (2), (3), (4), (5)(A)(i),  
19 (5)(B)(i), (5)(B)(iv)(I), (5)(B)(v), (5)(C)(v), (6),  
20 (7), (8), (9), (10), (11), (12), (13), (14), (15), (16),  
21 and (17) of subsection (a) of section 721 of the De-  
22 fense Production Act of 1950, as amended by sec-  
23 tion 1703.

24 (4) Section 721(m)(4) of the Defense Produc-  
25 tion Act of 1950, as amended by section 1718 (ex-

1       cept for clauses (ii), (iii), (iv), and (v) of subpara-  
2       graph (B) of that section).

3       (b) DELAYED APPLICABILITY OF CERTAIN PROVI-  
4       SIONS.—

5           (1) IN GENERAL.—Any provision of or amend-  
6       ment made by this title not specified in subsection  
7       (a) shall—

8           (A) take effect on the date that is 30 days  
9       after publication in the Federal Register of a  
10      determination by the chairperson of the Com-  
11      mittee on Foreign Investment in the United  
12      States that the regulations, organizational  
13      structure, personnel, and other resources nec-  
14      essary to administer the new provisions are in  
15      place; and

16          (B) apply with respect to any covered  
17      transaction the review or investigation of which  
18      is initiated under section 721 of the Defense  
19      Production Act of 1950 on or after the date de-  
20      scribed in subparagraph (A).

21          (2) NONDELEGATION OF DETERMINATION.—  
22      The determination of the chairperson of the Com-  
23      mittee on Foreign Investment in the United States  
24      under paragraph (1)(A) may not be delegated.

25          (c) AUTHORIZATION FOR PILOT PROGRAMS.—

1           (1) IN GENERAL.—Beginning on the date of the  
2           enactment of this Act and ending on the date de-  
3           scribed in subsection (b)(1)(A), the Committee on  
4           Foreign Investment in the United States may, at its  
5           discretion, conduct one or more pilot programs to  
6           implement any authority provided pursuant to any  
7           provision of or amendment made by this title not  
8           specified in subsection (a).

9           (2) PUBLICATION IN FEDERAL REGISTER.—A  
10          pilot program may not commence until the date that  
11          is 30 days after publication in the Federal Register  
12          of a determination by the chairperson of the Com-  
13          mittee of the scope of and procedures for the pilot  
14          program. That determination may not be delegated.

15 **SEC. 1733. SEVERABILITY.**

16          If any provision of this title or an amendment made  
17          by this title, or the application of such a provision or  
18          amendment to any person or circumstance, is held to be  
19          invalid, the application of that provision or amendment to  
20          other persons or circumstances and the remainder of the  
21          provisions of this title and the amendments made by this  
22          title, shall not be affected thereby.

1 **DIVISION B—MILITARY CON-**  
2 **STRUCTION AUTHORIZA-**  
3 **TIONS**

4 **SEC. 2001. SHORT TITLE.**

5 This division may be cited as the “Military Construc-  
6 tion Authorization Act for Fiscal Year 2019”.

7 **SEC. 2002. EXPIRATION OF AUTHORIZATIONS AND**  
8 **AMOUNTS REQUIRED TO BE SPECIFIED BY**  
9 **LAW.**

10 (a) EXPIRATION OF AUTHORIZATIONS AFTER THREE  
11 YEARS.—Except as provided in subsection (b), all author-  
12 izations contained in titles XXI through XXVII and title  
13 XXIX for military construction projects, land acquisition,  
14 family housing projects and facilities, and contributions to  
15 the North Atlantic Treaty Organization Security Invest-  
16 ment Program (and authorizations of appropriations  
17 therefor) shall expire on the later of—

18 (1) October 1, 2023; or

19 (2) the date of the enactment of an Act author-  
20 izing funds for military construction for fiscal year  
21 2024.

22 (b) EXCEPTION.—Subsection (a) shall not apply to  
23 authorizations for military construction projects, land ac-  
24 quisition, family housing projects and facilities, and con-  
25 tributions to the North Atlantic Treaty Organization Se-

1 curity Investment Program (and authorizations of appro-  
2 priations therefor), for which appropriated funds have  
3 been obligated before the later of—

4 (1) October 1, 2023; or

5 (2) the date of the enactment of an Act author-  
6 izing funds for fiscal year 2024 for military con-  
7 struction projects, land acquisition, family housing  
8 projects and facilities, or contributions to the North  
9 Atlantic Treaty Organization Security Investment  
10 Program.

11 **SEC. 2003. EFFECTIVE DATE.**

12 Titles XXI through XXVII and title XXIX shall take  
13 effect on the later of—

14 (1) October 1, 2018; or

15 (2) the date of the enactment of this Act.

16 **TITLE XXI—ARMY MILITARY**  
17 **CONSTRUCTION**

18 **SEC. 2101. AUTHORIZED ARMY CONSTRUCTION AND LAND**

19 **ACQUISITION PROJECTS.**

20 (a) **INSIDE THE UNITED STATES.**—Using amounts  
21 appropriated pursuant to the authorization of appropria-  
22 tions in section 2103(a) and available for military con-  
23 struction projects inside the United States as specified in  
24 the funding table in section 4601, the Secretary of the  
25 Army may acquire real property and carry out military

1 construction projects for the installations or locations in-  
 2 side the United States, and in the amounts, set forth in  
 3 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
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 Ex- pansion .....	\$30,000,000

4 (b) OUTSIDE THE UNITED STATES.—Using amounts  
 5 appropriated pursuant to the authorization of appropria-  
 6 tions in section 2103(a) and available for military con-  
 7 struction projects outside the United States as specified  
 8 in the funding table in section 4601, the Secretary of the  
 9 Army may acquire real property and carry out military  
 10 construction projects for the installations or locations out-  
 11 side the United States, and in the amounts, set forth in  
 12 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

1 **SEC. 2102. FAMILY HOUSING.**

2 (a) CONSTRUCTION AND ACQUISITION.—Using  
 3 amounts appropriated pursuant to the authorization of ap-  
 4 propriations in section 2103(a) and available for military  
 5 family housing functions as specified in the funding table  
 6 in section 4601, the Secretary of the Army may construct  
 7 or acquire family housing units (including land acquisition  
 8 and supporting facilities) at the installations or locations,  
 9 in the number of units, and in the amounts set forth in  
 10 the following table:

**Army: Family Housing**

State/Coun- try	Installation or Location	Units	Amount
Italy .....	Vicenza .....	Family Housing New Construc- tion.	\$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 Construc- tion.	\$6,200,000

11 (b) PLANNING AND DESIGN.—Using amounts appro-  
 12 priated pursuant to the authorization of appropriations in  
 13 section 2103(a) and available for military family housing  
 14 functions as specified in the funding table in section 4601,  
 15 the Secretary of the Army may carry out architectural and  
 16 engineering services and construction design activities  
 17 with respect to the construction or improvement of family  
 18 housing units in an amount not to exceed \$18,326,000.

1 **SEC. 2103. AUTHORIZATION OF APPROPRIATIONS, ARMY.**

2 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
3 are hereby authorized to be appropriated for fiscal years  
4 beginning after September 30, 2018, for military con-  
5 struction, land acquisition, and military family housing  
6 functions of the Department of the Army as specified in  
7 the funding table in section 4601.

8 (b) LIMITATION ON TOTAL COST OF CONSTRUCTION  
9 PROJECTS.—Notwithstanding the cost variations author-  
10 ized by section 2853 of title 10, United States Code, and  
11 any other cost variation authorized by law, the total cost  
12 of all projects carried out under section 2101 of this Act  
13 may not exceed the total amount authorized to be appro-  
14 priated under subsection (a), as specified in the funding  
15 table in section 4601.

16 **SEC. 2104. EXTENSION OF AUTHORIZATIONS OF CERTAIN**  
17 **FISCAL YEAR 2015 PROJECTS.**

18 (a) EXTENSION.—Notwithstanding section 2002 of  
19 the Military Construction Authorization Act for Fiscal  
20 Year 2015 (division B of Public Law 113–291; 128 Stat.  
21 3669), the authorization set forth in the table in sub-  
22 section (b), as provided in section 2101 of that Act (128  
23 Stat. 3670), shall remain in effect until October 1, 2019,  
24 or the date of the enactment of an Act authorizing funds  
25 for military construction for fiscal year 2020, whichever  
26 is later.



1 (b) TABLE.—The table referred to in subsection (a)  
 2 is as follows:

**Army: Extension of 2015 Project Authorizations**

State/ Country	Installation or Lo- cation	Project	Amount
California	Military Ocean Ter- minal, Concord.	Access Control Point	\$9,900,000
Japan .....	Kadena Air Base .....	Missile Magazine .....	\$10,600,000

3 **SEC. 2105. EXTENSION OF AUTHORIZATIONS OF CERTAIN**  
 4 **FISCAL YEAR 2016 PROJECT.**

5 (a) EXTENSION.—Notwithstanding section 2002 of  
 6 the Military Construction Authorization Act for Fiscal  
 7 Year 2016 (division B of Public Law 114–92; 129 Stat.  
 8 1145) the authorization set forth in the table in subsection  
 9 (b), as provided in section 2101 of that Act (129 Stat.  
 10 1146), shall remain in effect until October 1, 2023, or the  
 11 date of the enactment of an Act authorizing funds for mili-  
 12 tary construction for fiscal year 2024, whichever is later.

13 (b) TABLE.—The table referred to in subsection (a)  
 14 is as follows:

**Army: Extension of 2016 Project Authorization**

Virginia .....	Arlington Cemetery (DAR) .....	\$60,000,000
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15 **TITLE XXII—NAVY MILITARY**  
 16 **CONSTRUCTION**

17 **SEC. 2201. AUTHORIZED NAVY CONSTRUCTION AND LAND**  
 18 **ACQUISITION PROJECTS.**

19 (a) INSIDE THE UNITED STATES.—Using amounts  
 20 appropriated pursuant to the authorization of appropria-

1 tions in section 2204(a) and available for military con-  
 2 struction projects inside the United States as specified in  
 3 the funding table in section 4601, the Secretary of the  
 4 Navy may acquire real property and carry out military  
 5 construction projects for the installations or locations in-  
 6 side the United States, and in the amounts, set forth in  
 7 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 Colum- bia .....	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

8 (b) OUTSIDE THE UNITED STATES.—Using amounts  
 9 appropriated pursuant to the authorization of appropria-  
 10 tions in section 2204(a) and available for military con-  
 11 struction projects outside the United States as specified  
 12 in the funding table in section 4601, the Secretary of the

1 Navy may acquire real property and carry out military  
 2 construction projects for the installations or locations out-  
 3 side the United States, and in the amounts, set forth in  
 4 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
Japan .....	Kadena Air Base .....	\$9,049,000

5 **SEC. 2202. FAMILY HOUSING.**

6 (a) CONSTRUCTION AND ACQUISITION.—Using  
 7 amounts appropriated pursuant to the authorization of ap-  
 8 propriations in section 2204(a) and available for military  
 9 family housing functions as specified in the funding table  
 10 in section 4601, the Secretary of the Navy may construct  
 11 or acquire family housing units (including land acquisition  
 12 and supporting facilities) at the installation or location,  
 13 in the number of units, and in the amount set forth in  
 14 the following table:

**Navy: Family Housing**

State	Installation or Location	Units	Amount
Guam .....	Joint Region Marianas .....	Replace Andersen Housing PH III.	\$83,441,000

15 (b) PLANNING AND DESIGN.—Using amounts appro-  
 16 priated pursuant to the authorization of appropriations in  
 17 section 2204(a) and available for military family housing  
 18 functions as specified in the funding table in section 4601,

1 the Secretary of the Navy may carry out architectural and  
2 engineering services and construction design activities  
3 with respect to the construction or improvement of family  
4 housing units in an amount not to exceed \$4,502,000.

5 **SEC. 2203. IMPROVEMENTS TO MILITARY FAMILY HOUSING**  
6 **UNITS.**

7 Subject to section 2825 of title 10, United States  
8 Code, and using amounts appropriated pursuant to the  
9 authorization of appropriations in section 2204(a) and  
10 available for military family housing functions as specified  
11 in the funding table in section 4601, the Secretary of the  
12 Navy may improve existing military family housing units  
13 in an amount not to exceed \$16,638,000.

14 **SEC. 2204. AUTHORIZATION OF APPROPRIATIONS, NAVY.**

15 (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds  
16 are hereby authorized to be appropriated for fiscal years  
17 beginning after September 30, 2018, for military con-  
18 struction, land acquisition, and military family housing  
19 functions of the Department of the Navy, as specified in  
20 the funding table in section 4601.

21 (b) **LIMITATION ON TOTAL COST OF CONSTRUCTION**  
22 **PROJECTS.**—Notwithstanding the cost variations author-  
23 ized by section 2853 of title 10, United States Code, and  
24 any other cost variation authorized by law, the total cost  
25 of all projects carried out under section 2201 of this Act

1 may not exceed the total amount authorized to be appro-  
 2 priated under subsection (a), as specified in the funding  
 3 table in section 4601.

4 **TITLE XXIII—AIR FORCE**  
 5 **MILITARY CONSTRUCTION**

6 **SEC. 2301. AUTHORIZED AIR FORCE CONSTRUCTION AND**  
 7 **LAND ACQUISITION PROJECTS.**

8 (a) INSIDE THE UNITED STATES.—Using amounts  
 9 appropriated pursuant to the authorization of appropria-  
 10 tions in section 2304(a) and available for military con-  
 11 struction projects inside the United States as specified in  
 12 the funding table in section 4601, the Secretary of the  
 13 Air Force may acquire real property and carry out mili-  
 14 tary construction projects for the installations or locations  
 15 inside the United States, and in the amounts, set forth  
 16 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

1 (b) OUTSIDE THE UNITED STATES.—Using amounts  
 2 appropriated pursuant to the authorization of appropria-  
 3 tions in section 2304(a) and available for military con-  
 4 struction projects outside the United States as specified  
 5 in the funding table in section 4601, the Secretary of the  
 6 Air Force may acquire real property and carry out mili-  
 7 tary construction projects for the installations or locations  
 8 outside the United States, and in the amount, set forth  
 9 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

10 **SEC. 2302. FAMILY HOUSING.**

11 Using amounts appropriated pursuant to the author-  
 12 ization of appropriations in section 2304(a) and available  
 13 for military family housing functions as specified in the  
 14 funding table in section 4601, the Secretary of the Air  
 15 Force may carry out architectural and engineering serv-  
 16 ices and construction design activities with respect to the  
 17 construction or improvement of family housing units in an  
 18 amount not to exceed \$3,199,000.

1 **SEC. 2303. IMPROVEMENTS TO MILITARY FAMILY HOUSING**  
2 **UNITS.**

3 Subject to section 2825 of title 10, United States  
4 Code, and using amounts appropriated pursuant to the  
5 authorization of appropriations in section 2304(a) and  
6 available for military family housing functions as specified  
7 in the funding table in section 4601, the Secretary of the  
8 Air Force may improve existing military family housing  
9 units in an amount not to exceed \$75,247,000.

10 **SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR**  
11 **FORCE.**

12 (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds  
13 are hereby authorized to be appropriated for fiscal years  
14 beginning after September 30, 2018, for military con-  
15 struction, land acquisition, and military family housing  
16 functions of the Department of the Air Force, as specified  
17 in the funding table in section 4601.

18 (b) **LIMITATION ON TOTAL COST OF CONSTRUCTION**  
19 **PROJECTS.**—Notwithstanding the cost variations author-  
20 ized by section 2853 of title 10, United States Code, and  
21 any other cost variation authorized by law, the total cost  
22 of all projects carried out under section 2301 of this Act  
23 may not exceed the total amount authorized to be appro-  
24 priated under subsection (a), as specified in the funding  
25 table in section 4601.

1 **SEC. 2305. MODIFICATION OF AUTHORITY TO CARRY OUT**  
2 **CERTAIN PHASED PROJECT AUTHORIZED IN**  
3 **FISCAL YEARS 2015, 2016, AND 2017.**

4 In the case of the authorization contained in the table  
5 in section 2301(b) of the Military Construction Authoriza-  
6 tion Act for Fiscal Year 2015 (division B of Public Law  
7 113–291; 128 Stat. 3679) for Royal Air Force Croughton,  
8 for JIAC Consolidation Phase 1, the authorization con-  
9 tained in the table in section 2301(b) of the Military Con-  
10 struction Authorization Act for Fiscal Year 2016 (division  
11 B of Public Law 114–92; 129 Stat. 1153) for Croughton  
12 Royal Air Force, for JIAC Consolidation Phase 2, and the  
13 authorization contained in the table in section 2301(b) of  
14 the Military Construction Authorization Act for Fiscal  
15 Year 2017 (division B of Public Law 114–328; 130 Stat.  
16 2697) for Royal Air Force Croughton, for JIAC Consoli-  
17 dation Phase 3, the location shall be United Kingdom, Un-  
18 specified.

19 **SEC. 2306. MODIFICATION OF AUTHORITY TO CARRY OUT**  
20 **CERTAIN FISCAL YEAR 2017 PROJECT.**

21 In the case of the authorization contained in the table  
22 in section 2301(a) of the Military Construction Authoriza-  
23 tion Act for Fiscal Year 2017 (division B of Public Law  
24 114–328; 130 Stat. 2696) for Joint Base San Antonio,  
25 Texas, for construction of a basic military training recruit  
26 dormitory, the Secretary of the Air Force may construct



1 a 26,537 square meter dormitory in the amount of  
2 \$92,300,000.

3 **SEC. 2307. MODIFICATION OF AUTHORITY TO CARRY OUT**  
4 **CERTAIN FISCAL YEAR 2018 PROJECT.**

5 In the case of the authorization contained in the table  
6 in section 2301(a) of the Military Construction Authoriza-  
7 tion Act for Fiscal Year 2018 (division B of Public Law  
8 115–91; 131 Stat. 1825) for the United States Air Force  
9 Academy, Colorado, for construction of a cyberworks facil-  
10 ity, the Secretary of the Air Force may construct a facility  
11 of up to 4,462 square meters that includes two real prop-  
12 erty gifts of construction of 929 and 465 square meters  
13 if such gift is accepted by the Secretary in accordance with  
14 section 2601 of title 10, United States Code.

15 **SEC. 2308. ADDITIONAL AUTHORITY TO CARRY OUT CER-**  
16 **TAIN FISCAL YEAR 2019 PROJECTS.**

17 (a) PROJECT AUTHORIZATIONS.—The Secretary of  
18 the Air Force may carry out military construction projects  
19 to construct—

20 (1) a 6,702 square meter Joint Simulation En-  
21 vironment Facility at Edwards Air Force Base, Cali-  
22 fornia, in the amount of \$43,000,000;

23 (2) a 4,833 square meter Cyberspace Test Fa-  
24 cility at Eglin Air Force Base, Florida, in the  
25 amount of \$38,000,000; and

1           (3) a 4,735 square meter Joint Simulation En-  
2           vironment Facility at Nellis Air Force Base, Nevada,  
3           in the amount of \$30,000,000.

4           (b) USE OF RESEARCH, DEVELOPMENT, TEST, AND  
5           EVALUATION FUNDS.—As provided for in the Defense  
6           Laboratory Modernization Pilot Program authorized by  
7           section 2803 of the Military Construction Authorization  
8           Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat.  
9           1169), the Secretary may use funds available for research,  
10          development, test, and evaluation for the projects de-  
11          scribed in subsection (a).

12       **TITLE    XXIV—DEFENSE    AGEN-**  
13       **CIES    MILITARY    CONSTRUC-**  
14       **TION**

15       **SEC. 2401. AUTHORIZED DEFENSE AGENCIES CONSTRUC-**  
16       **TION AND LAND ACQUISITION PROJECTS.**

17          (a) INSIDE THE UNITED STATES.—Using amounts  
18          appropriated pursuant to the authorization of appropria-  
19          tions in section 2403(a) and available for military con-  
20          struction projects inside the United States as specified in  
21          the funding table in section 4601, the Secretary of De-  
22          fense may acquire real property and carry out military  
23          construction projects for the installations or locations in-  
24          side the United States, and in the amounts, set forth in  
25          the following table:

**Defense Agencies: Inside the United States**

<b>State</b>	<b>Installation or Location</b>	<b>Amount</b>
Alaska .....	Clear Air Force Station .....	\$174,000,000
	Fort Greely .....	\$8,000,000
Arkansas .....	Joint Base Elmendorf-Richardson .....	\$14,000,000
	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
	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
Washington .....	Pentagon .....	\$35,850,000
	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  
5 in the funding table in section 4601, the Secretary of De-  
6 fense may acquire real property and carry out military  
7 construction projects for the installations or locations out-  
8 side the United States, and in the amounts, set forth in  
9 the following table:

**Defense Agencies: Outside the United States**

<b>Country</b>	<b>Installation or Location</b>	<b>Amount</b>
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

**Defense Agencies: Outside the United States**—Continued

<b>Country</b>	<b>Installation or Location</b>	<b>Amount</b>
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  
10 in the following table:

**Energy Conservation Projects: Inside the United States**

<b>State</b>	<b>Installation or Location</b>	<b>Amount</b>
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

**Energy Conservation Projects: Inside the United States—**  
Continued

State	Installation or Location	Amount
Washington .....	Naval Base Kitsap .....	\$1,790,000

1 **SEC. 2403. AUTHORIZATION OF APPROPRIATIONS, DE-**  
2 **FENSE AGENCIES.**

3 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
4 are hereby authorized to be appropriated for fiscal years  
5 beginning after September 30, 2018, for military con-  
6 struction, land acquisition, and military family housing  
7 functions of the Department of Defense (other than the  
8 military departments), as specified in the funding table  
9 in section 4601.

10 (b) LIMITATION ON TOTAL COST OF CONSTRUCTION  
11 PROJECTS.—Notwithstanding the cost variations author-  
12 ized by section 2853 of title 10, United States Code, and  
13 any other cost variation authorized by law, the total cost  
14 of all projects carried out under section 2401 of this Act  
15 may not exceed the total amount authorized to be appro-  
16 priated under subsection (a), as specified in the funding  
17 table in section 4601.

18 **SEC. 2404. EXTENSION OF AUTHORIZATIONS OF CERTAIN**  
19 **FISCAL YEAR 2015 PROJECTS.**

20 (a) EXTENSION.—Notwithstanding section 2002 of  
21 the Military Construction Authorization Act for Fiscal  
22 Year 2015 (division B of Public Law 113–291; 128 Stat.

1 3669), the authorizations set forth in the table in sub-  
 2 section (b), as provided in section 2401 of that Act (128  
 3 Stat. 3681), and amended by section 2406 of the Military  
 4 Construction Authorization Act for Fiscal Year 2018 (di-  
 5 vision B of Public Law 115–91; 131 Stat. 1831), shall  
 6 remain in effect until October 1, 2019, or the date of the  
 7 enactment of an Act authorizing funds for military con-  
 8 struction for fiscal year 2020, whichever is later.

9 (b) TABLE.—The table referred to in subsection (a)  
 10 is as follows:

**Defense Agencies: Extension of 2015 Project Authorizations**

<b>State/Country</b>	<b>Installation or Location</b>	<b>Project</b>	<b>Amount</b>
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

11 **SEC. 2405. AUTHORIZATION OF CERTAIN FISCAL YEAR 2018**  
 12 **PROJECT.**

13 The table in section 2401(a) of the National Defense  
 14 Authorization Act for Fiscal Year 2018 (division B of  
 15 Public Law 105–91) is amended by inserting after the  
 16 item relating to South Carolina the following new item:

Texas .....	Fort Bliss Blood Processing Center .....	\$8,300,000
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1       **TITLE XXV—INTERNATIONAL**  
2                   **PROGRAMS**  
3       **Subtitle A—North Atlantic Treaty**  
4           **Organization Security Invest-**  
5           **ment Program**

6       **SEC. 2501. AUTHORIZED NATO CONSTRUCTION AND LAND**  
7                   **ACQUISITION PROJECTS.**

8           The Secretary of Defense may make contributions for  
9 the North Atlantic Treaty Organization Security Invest-  
10 ment Program as provided in section 2806 of title 10,  
11 United States Code, in an amount not to exceed the sum  
12 of the amount authorized to be appropriated for this pur-  
13 pose in section 2502 and the amount collected from the  
14 North Atlantic Treaty Organization as a result of con-  
15 struction previously financed by the United States.

16       **SEC. 2502. AUTHORIZATION OF APPROPRIATIONS, NATO.**

17           Funds are hereby authorized to be appropriated for  
18 fiscal years beginning after September 30, 2018, for con-  
19 tributions by the Secretary of Defense under section 2806  
20 of title 10, United States Code, for the share of the United  
21 States of the cost of projects for the North Atlantic Treaty  
22 Organization Security Investment Program authorized by  
23 section 2501 as specified in the funding table in section  
24 4601.

1 **Subtitle B—Host Country In-kind**  
 2 **Contributions**

3 **SEC. 2511. REPUBLIC OF KOREA FUNDED CONSTRUCTION**  
 4 **PROJECTS.**

5 Pursuant to agreement with the Republic of Korea  
 6 for required in-kind contributions, the Secretary of De-  
 7 fense may accept military construction projects for the in-  
 8 stallations or locations, and in the amounts, set forth in  
 9 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**

<b>Country</b>	<b>Component</b>	<b>Installation or Location</b>	<b>Project</b>	<b>Amount</b>
	Air Force ..	Osan Air Base	Airfield Damage Repair Facility .....	\$22,000,000
	Air Force ..	Osan Air Base	Communications HQ Building .....	\$45,000,000
	Air Force ..	Suwon Air Base .....	Airfield Damage Repair Warehouse .....	\$7,200,000

1           **TITLE XXVI—GUARD AND**  
 2           **RESERVE FORCES FACILITIES**  
 3           **Subtitle A—Project Authorizations**  
 4           **and Authorization of Appropriations**  
 5           **tions**

6           **SEC. 2601. AUTHORIZED ARMY NATIONAL GUARD CON-**  
 7                           **STRUCTION AND LAND ACQUISITION**  
 8                           **PROJECTS.**

9           Using amounts appropriated pursuant to the author-  
 10 ization of appropriations in section 2606 and available for  
 11 the National Guard and Reserve as specified in the fund-  
 12 ing table in section 4601, the Secretary of the Army may  
 13 acquire real property and carry out military construction  
 14 projects for the Army National Guard locations inside the  
 15 United States, and in the amounts, set forth in the fol-  
 16 lowing table:

**Army National Guard**

<b>State</b>	<b>Location</b>	<b>Amount</b>
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**

<b>State</b>	<b>Location</b>	<b>Amount</b>
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 fund-  
6 ing table in section 4601, the Secretary of the Army may  
7 acquire 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  
10 table:

**Army Reserve**

<b>State</b>	<b>Location</b>	<b>Amount</b>
California .....	Barstow .....	\$34,000,000
Wisconsin .....	Fort McCoy .....	\$23,000,000

11 **SEC. 2603. AUTHORIZED NAVY RESERVE AND MARINE**  
12 **CORPS RESERVE CONSTRUCTION AND LAND**  
13 **ACQUISITION PROJECTS.**

14 Using amounts appropriated pursuant to the author-  
15 ization of appropriations in section 2606 and available for  
16 the National Guard and Reserve as specified in the fund-  
17 ing table in section 4601, the Secretary of the Navy may  
18 acquire real property and carry out military construction

1 projects for the Navy Reserve and Marine Corps Reserve  
 2 locations inside the United States, and in the amounts,  
 3 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

4 **SEC. 2604. AUTHORIZED AIR NATIONAL GUARD CONSTRUC-**  
 5 **TION AND LAND ACQUISITION PROJECTS.**

6 Using amounts appropriated pursuant to the author-  
 7 ization of appropriations in section 2606 and available for  
 8 the National Guard and Reserve as specified in the fund-  
 9 ing table in section 4601, the Secretary of the Air Force  
 10 may acquire real property and carry out military construc-  
 11 tion projects for the Air National Guard locations inside  
 12 the United States, and in the amounts, set forth in the  
 13 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

1 **SEC. 2605. AUTHORIZED AIR FORCE RESERVE CONSTRUC-**  
 2 **TION 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 fund-  
 6 ing table in section 4601, the Secretary of the Air Force  
 7 may acquire real property and carry out military construc-  
 8 tion projects for the Air Force Reserve locations inside  
 9 the United States, and in the amounts, set forth in the  
 10 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

11 **SEC. 2606. AUTHORIZATION OF APPROPRIATIONS, NA-**  
 12 **TIONAL GUARD AND RESERVE.**

13 Funds are hereby authorized to be appropriated for  
 14 fiscal years beginning after September 30, 2018, for the  
 15 costs of acquisition, architectural and engineering services,  
 16 and construction of facilities for the Guard and Reserve  
 17 Forces, and for contributions therefor, under chapter  
 18 1803 of title 10, United States Code (including the cost  
 19 of acquisition of land for those facilities), as specified in  
 20 the funding table in section 4601.

1           **Subtitle B—Other Matters**

2   **SEC. 2611. MODIFICATION OF AUTHORITY TO CARRY OUT**  
3                   **CERTAIN FISCAL YEAR 2016 PROJECT.**

4           In the case of the authorization contained in the table  
5 in section 2603 of the Military Construction Authorization  
6 Act for Fiscal Year 2016 (division B of Public Law 114–  
7 92; 129 Stat. 1164) for construction of a Reserve Train-  
8 ing Center Complex at Dam Neck, Virginia, the Secretary  
9 of the Navy may construct the Reserve Training Center  
10 Complex at Joint Expeditionary Base Little Creek-Story,  
11 Virginia.

12   **SEC. 2612. MODIFICATION OF AUTHORITY TO CARRY OUT**  
13                   **CERTAIN FISCAL YEAR 2018 PROJECT.**

14           In the case of the authorization contained in the table  
15 in section 2601 of the Military Construction Authorization  
16 Act for Fiscal Year 2018 (division B of Public Law 115–  
17 91; 131 Stat. 1834) for Fort Belvoir, Virginia, for addi-  
18 tions and alterations to the National Guard Readiness  
19 Center, the Secretary of the Army may construct a new  
20 readiness center. If a new readiness center is constructed,  
21 no funds above the previously authorized \$15,000,000  
22 may be made available for such purpose.

1 **SEC. 2613. ADDITIONAL AUTHORITY TO CARRY OUT CER-**  
2 **TAIN FISCAL YEAR 2019 PROJECT.**

3 (a) **PROJECT AUTHORIZATION.**—The Secretary of  
4 the Navy may carry out a military construction project  
5 to construct a 50,000 square foot reserve training center,  
6 6,600 square foot combat vehicle maintenance and storage  
7 facility, 2,400 square foot vehicle wash rack, 1,600 square  
8 foot covered training area, road improvements, and associ-  
9 ated supporting facilities, and may acquire approximately  
10 8.5 acres of adjacent land and obtain necessary interest  
11 in land at Pittsburgh, Pennsylvania, in the amount of  
12 \$17,650,000.

13 (b) **USE OF UNOBLIGATED PRIOR-YEAR NAVY MILI-**  
14 **TARY CONSTRUCTION RESERVE FUNDS.**—The Secretary  
15 may use available, unobligated Navy military construction  
16 reserve funds for the project described in subsection (a).

17 (c) **CONGRESSIONAL NOTIFICATION.**—The Secretary  
18 of the Navy shall provide information in accordance with  
19 section 2851(c) of title 10, United States Code, regarding  
20 the project described in subsection (a). If it becomes nec-  
21 essary to exceed the estimated project cost, the Secretary  
22 shall utilize the authority provided by section 2853 of such  
23 title regarding authorized cost and scope of work vari-  
24 ations.

1 **TITLE XXVII—BASE REALIGN-**  
2 **MENT AND CLOSURE ACTIVI-**  
3 **TIES**

4 **SEC. 2701. AUTHORIZATION OF APPROPRIATIONS FOR**  
5 **BASE REALIGNMENT AND CLOSURE ACTIVI-**  
6 **TIES FUNDED THROUGH DEPARTMENT OF**  
7 **DEFENSE BASE CLOSURE ACCOUNT.**

8 Funds are hereby authorized to be appropriated for  
9 fiscal years beginning after September 30, 2018, for base  
10 realignment and closure activities, including real property  
11 acquisition and military construction projects, as author-  
12 ized by the Defense Base Closure and Realignment Act  
13 of 1990 (part A of title XXIX of Public Law 101–510;  
14 10 U.S.C. 2687 note) and funded through the Department  
15 of Defense Base Closure Account established by section  
16 2906 of such Act (as amended by section 2711 of the Mili-  
17 tary Construction Authorization Act for Fiscal Year 2013  
18 (division B of Public Law 112–239; 126 Stat. 2140)), as  
19 specified in the funding table in section 4601.

20 **SEC. 2702. PROHIBITION ON CONDUCTING ADDITIONAL**  
21 **BASE REALIGNMENT AND CLOSURE (BRAC)**  
22 **ROUND.**

23 Nothing in this Act shall be construed to authorize  
24 an additional Base Realignment and Closure (BRAC)  
25 round.

1 **TITLE XXVIII—MILITARY CON-**  
2 **STRUCTION AND GENERAL**  
3 **PROVISIONS**

4 **Subtitle A—Military Construction**  
5 **Program and Military Family**  
6 **Housing Changes**

7 **SEC. 2801. ADDITIONAL AUTHORITY TO OBTAIN ARCHITEC-**  
8 **TURAL AND ENGINEERING SERVICES AND**  
9 **CONSTRUCTION DESIGN FOR DEFENSE LAB-**  
10 **ORATORY MODERNIZATION PILOT PROGRAM.**

11 Section 2803 of the National Defense Authorization  
12 Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat.  
13 1169; 10 U.S.C. 2358 note) is amended—

14 (1) in subsection (a), by striking “subsection  
15 (d)” and inserting “subsection (e)”;

16 (2) in subsection (b)(1), by striking “, site  
17 preparation, and advance planning and design” and  
18 inserting “and site preparation”;

19 (3) in subsection (d), by striking “subsection  
20 (c)(1)” and inserting “subsection (d)(1)”;

21 (4) by redesignating subsections (c), (d), (e),  
22 and (f) as subsections (d), (e), (f), and (g), respec-  
23 tively;

24 (5) by inserting after subsection (b) the fol-  
25 lowing new subsection:



1       “(c) ARCHITECTURAL AND ENGINEERING SERVICES  
2 AND CONSTRUCTION DESIGN.—Using amounts appro-  
3 priated or otherwise made available to the military depart-  
4 ments for research, development, test, and evaluation, the  
5 Secretary of the military department concerned may ob-  
6 tain architectural and engineering services and carry out  
7 construction design in connection with a military construc-  
8 tion project described in subsection (a). This authority is  
9 not subject to the condition in subsection (b).”;

10           (6) in subsection (d), as redesignated by para-  
11 graph (4)—

12           (A) in paragraph (1), by adding at the end  
13 the following: “This requirement does not in-  
14 clude architectural and engineering services and  
15 construction design under subsection (c).”; and

16           (B) in paragraph (2), by inserting “other  
17 than funds used pursuant to subsection (c)”  
18 after “subsection (a)”; and

19           (7) in subsection (g), as redesignated by para-  
20 graph (4), by striking “2020” and inserting “2025”.

1 **SEC. 2802. MODIFICATION OF CONTRACT AUTHORITY FOR**  
2 **ACQUISITION, CONSTRUCTION, OR FUR-**  
3 **NISHING OF TEST FACILITIES AND EQUIP-**  
4 **MENT.**

5 Section 2353(a) of title 10, United States Code, is  
6 amended—

7 (1) by inserting after the first sentence the fol-  
8 lowing: “The acquisition or construction of these re-  
9 search, developmental, or test facilities shall be sub-  
10 ject to the cost principles applicable to allowable  
11 contract expenses.”; and

12 (2) by adding at the end the following: “The ac-  
13 quisition or construction of facilities under the au-  
14 thority of this section shall not be governed by sec-  
15 tions 2802, 2805, or 2811 of this title and their as-  
16 sociated implementing regulations. The Secretary of  
17 Defense and the Secretaries of the military depart-  
18 ments shall promulgate regulations necessary to give  
19 full force and effect to this section.”.

20 **SEC. 2803. EXTENSION OF TEMPORARY, LIMITED AUTHOR-**  
21 **ITY TO USE OPERATION AND MAINTENANCE**  
22 **FUNDS FOR CONSTRUCTION PROJECTS IN**  
23 **CERTAIN AREAS OUTSIDE THE UNITED**  
24 **STATES.**

25 (a) **EXTENSION OF AUTHORITY.**—Subsection (h) of  
26 section 2808 of the Military Construction Authorization

1 Act for Fiscal Year 2004 (division B of Public Law 108–  
2 136; 117 Stat. 1723), as most recently amended by sec-  
3 tion 2804 of the Military Construction Authorization Act  
4 for Fiscal Year 2018 (division B of Public Law 115–91),  
5 is further amended—

6 (1) in paragraph (1), by striking “December  
7 31, 2018” and inserting “December 31, 2019”; and

8 (2) in paragraph (2), by striking “fiscal year  
9 2019” and inserting “fiscal year 2020”.

10 (b) LIMITATION ON USE OF AUTHORITY.—Sub-  
11 section (c)(1) of such section is amended—

12 (1) by striking “\$100,000,000” and inserting  
13 “\$50,000,000”;

14 (2) by striking “October 1, 2017” and inserting  
15 “October 1, 2018”;

16 (3) by striking “December 31, 2018” and in-  
17 serting “December 31, 2019”; and

18 (4) by striking “fiscal year 2019” and inserting  
19 “fiscal year 2020”.

1 **SEC. 2804. UNSPECIFIED MINOR MILITARY CONSTRUCTION**  
2 **PROJECTS RELATED TO REVITALIZATION**  
3 **AND RECAPITALIZATION OF DEFENSE INDUS-**  
4 **TRIAL BASE FACILITIES.**

5 Section 2805 of title 10, United States Code, is  
6 amended by adding at the end the following new sub-  
7 section:

8 “(g) **DEFENSE INDUSTRIAL BASE FACILITY REVI-**  
9 **TALIZATION.**—(1) For the revitalization and recapitaliza-  
10 tion of Defense Industrial Base Facilities owned by the  
11 United States and under the jurisdiction of the Secretary  
12 concerned, the Secretary concerned may obligate and ex-  
13 pend—

14 “(A) from appropriations available to the Sec-  
15 retary concerned for operation and maintenance,  
16 amounts necessary to carry out an unspecified minor  
17 military construction project costing not more than  
18 \$6,000,000, notwithstanding subsection (c); or

19 “(B) from appropriations available to the Sec-  
20 retary concerned for military construction not other-  
21 wise authorized by law or from funds authorized to  
22 be made available section 2363(a) of this title,  
23 amounts necessary to carry out an unspecified minor  
24 military construction project costing not more than  
25 \$6,000,000.

1 “(2) For purposes of this subsection, an unspecified  
2 minor military construction project is a military construc-  
3 tion project that (notwithstanding subsection (a)) has an  
4 approved cost equal to or less than \$6,000,000.

5 “(3) If the Secretary concerned makes a decision to  
6 carry out an unspecified minor military construction  
7 project to which this subsection applies, the Secretary con-  
8 cerned shall notify the appropriate committees of Congress  
9 of that decision, of the justification for the project, and  
10 of the estimated cost of the project. The project may then  
11 be carried out only after the end of the 14-day period be-  
12 ginning on the date the notification is received by the com-  
13 mittees in an electronic medium pursuant to section 480  
14 of this title.

15 “(4) In this section, the term ‘defense industrial base  
16 facility’ means any Department of Defense depot, arsenal,  
17 shipyard, or plant located within the United States.

18 “(5) The authority to carry out a project under this  
19 subsection expires on September 30, 2023.”.

20 **SEC. 2805. CONGRESSIONAL OVERSIGHT OF PROJECTS**  
21 **CARRIED OUT PURSUANT TO LAWS OTHER**  
22 **THAN MILITARY CONSTRUCTION AUTHORIZA-**  
23 **TION ACTS.**

24 Section 2802(e)(1) of title 10, United States Code,  
25 is amended—

1 (1) by striking “Secretary concerned shall—”  
2 and all that follows through “comply with the con-  
3 gressional notification requirement” and inserting  
4 “Secretary concerned shall comply with the congres-  
5 sional notification requirement”; and

6 (2) by inserting “and submit to the congres-  
7 sional defense committees any materials required to  
8 be submitted to Congress or any other congressional  
9 committees pursuant to the congressional notifica-  
10 tion requirement” after “road project will be carried  
11 out”.

## 12 **Subtitle B—Project Management** 13 **and Oversight Reforms**

### 14 **SEC. 2811. UPDATES AND MODIFICATIONS TO DEPARTMENT** 15 **OF DEFENSE FORM 1391, UNIFIED FACILITIES** 16 **CRITERIA, AND MILITARY INSTALLATION** 17 **MASTER PLANS.**

18 (a) FLOOD RISK DISCLOSURE FOR MILITARY CON-  
19 STRUCTION.—

20 (1) IN GENERAL.—The Secretary of Defense  
21 shall modify Department of Defense Form 1391 to  
22 require, with respect to any proposed major or minor  
23 military construction project requiring congressional  
24 notification or approval—

1 (A) disclosure whether a proposed project  
2 will be sited within or partially within a 100-  
3 year floodplain, according to the most recent  
4 available Federal Emergency Management  
5 Agency flood hazard data; and

6 (B) if the proposed project will be sited  
7 within or partially within a 100-year floodplain,  
8 the specific risk mitigation plan.

9 (2) DELINEATION OF FLOODPLAIN.—To the ex-  
10 tent that Federal Emergency Management Agency  
11 flood hazard data are not available for a proposed  
12 major or minor military construction site, the Sec-  
13 retary concerned shall establish a process for delin-  
14 eating the 100-year floodplain using risk analysis  
15 that is consistent with the standards used to inform  
16 Federal flood risk assessments.

17 (3) REPORTING REQUIREMENTS.—For proposed  
18 projects that are to be sited within or partially with-  
19 in a 100-year floodplain, the Secretary concerned  
20 shall submit to the congressional defense committees  
21 a report with the following:

22 (A) An assessment of flood vulnerability  
23 for the proposed project.

24 (B) Any information concerning alternative  
25 construction sites that were considered, and an

1 explanation of why those sites do not satisfy  
2 mission requirements.

3 (C) A description of planned flood mitiga-  
4 tion measures.

5 (4) MINIMUM FLOOD MITIGATION REQUIRE-  
6 MENTS.—When mitigating the flood risk of a major  
7 or minor military construction project within or par-  
8 tially within the 100-year floodplain, the Secretary  
9 concerned shall require any mitigation plan to as-  
10 sume an additional—

11 (A) 2 feet above the base flood elevation  
12 for non-mission critical buildings, as determined  
13 by the Secretary; and

14 (B) 3 feet above the base flood elevation  
15 for mission-critical buildings, as determined by  
16 the Secretary.

17 (b) DISCLOSURE REQUIREMENTS FOR DEPARTMENT  
18 OF DEFENSE FORM 1391.—Not later than 30 days after  
19 the date of the enactment of this Act, the Secretary of  
20 Defense shall amend Department of Defense Form 1391  
21 to require, for each requested military construction  
22 project—

23 (1) disclosure whether the project was included  
24 in the prior year's future-years defense program sub-



1       mitted to Congress pursuant to section 221 of title  
2       10, United States Code; and

3           (2) inclusion of an energy study or life cycle  
4       analysis.

5       (c) INCORPORATION OF CHANGING ENVIRONMENTAL  
6       CONDITION PROJECTIONS IN MILITARY CONSTRUCTION  
7       DESIGNS AND MODIFICATIONS.—Not later than 30 days  
8       after the date of the enactment of this Act, the Secretary  
9       of Defense shall amend section 3-5.6.2.3 of United Facili-  
10      ties Criteria (UFC) 2-100-01 and UFC 2-100-02 (or any  
11      similar successor regulations) to provide that in order to  
12      anticipate changing environmental conditions during the  
13      design life of existing or planned new facilities and infra-  
14      structure, projections from reliable and authorized sources  
15      such as the Census Bureau (for population projections),  
16      the National Academies of Sciences (for land use change  
17      projections and climate projections), the U.S. Geological  
18      Survey (for land use change projections), and the U.S.  
19      Global Change Research Office and National Climate As-  
20      sessment (for climate projections) shall be considered and  
21      incorporated into military construction designs and modi-  
22      fications.

23      (d) INCLUSION OF CONSIDERATION OF ENERGY AND  
24      CLIMATE RESILIENCY EFFORTS IN MASTER PLANS FOR

1 MAJOR MILITARY INSTALLATIONS.—Section 2864 of title  
2 10, United States Code, is amended—

3 (1) in subsection (a)(2)—

4 (A) in subparagraph (C), by striking  
5 “and” at the end;

6 (B) in subparagraph (D), by striking the  
7 period at the end and inserting “; and”; and

8 (C) by adding at the end the following new  
9 subparagraph:

10 “(E) energy and climate resiliency efforts.”;

11 and

12 (2) in subsection (d), by adding at the end the  
13 following new paragraph:

14 “(3) The term ‘energy and climate resiliency’  
15 means anticipation, preparation for, and adaptation  
16 to utility disruptions and changing environmental  
17 conditions and the ability to withstand, respond to,  
18 and recover rapidly from utility disruptions while en-  
19 suring the sustainment of mission-critical oper-  
20 ations.”.

21 (e) DEFINITION OF MILITARY INSTALLATION RESIL-  
22 IENCE.—Section 101(e) of title 10, United States Code,  
23 is amended by adding at the end the following new para-  
24 graph:

1           “(8) MILITARY INSTALLATION RESILIENCE.—  
2           The term ‘military installation resilience’ means the  
3           capability of a military installation to avoid, prepare  
4           for, minimize the effect of, adapt to, and recover  
5           from extreme weather events, or from anticipated or  
6           unanticipated changes in environmental conditions,  
7           that do, or have the potential to, adversely affect the  
8           military installation or essential transportation,  
9           logistical, or other necessary resources outside of the  
10          military installation that are necessary in order to  
11          maintain, improve, or rapidly reestablish installation  
12          mission assurance and mission-essential functions.”.

13          (f) ADJUSTMENT AND DIVERSIFICATION ASSISTANCE  
14          FOR RESPONDING TO THREATS TO THE RESILIENCE OF  
15          A MILITARY INSTALLATION.—Section 2391(b)(1) of title  
16          10, United States Code, is amended—

17                 (1) by striking “, or (E) by the closure” and in-  
18                 serting “, (E) by threats to military installation re-  
19                 silience, or (F) by the closure”;

20                 (2) by striking “(A), (B), (C), or (E)” and in-  
21                 serting “(A), (B), (C), or (F)”;

22                 (3) by striking “action described in clause (D),  
23                 if the Secretary determines that the encroachment of  
24                 the civilian community” and inserting “action de-  
25                 scribed in clause (D) or (E), if the Secretary deter-

1 mines that either the encroachment of the civilian  
 2 community or threats to military installation resil-  
 3 ience”.

4 **SEC. 2812. WORK IN PROCESS CURVE CHARTS AND OUTLAY**  
 5 **TABLES FOR MILITARY CONSTRUCTION**  
 6 **PROJECTS.**

7 (a) REQUIRED SUBMISSIONS.—

8 (1) IN GENERAL.—Subchapter III of chapter  
 9 169 of title 10, United States Code, is amended by  
 10 inserting after section 2864 the following new sec-  
 11 tion:

12 **“§ 2865. Work in Process Curve charts and outlay ta-**  
 13 **bles required for military construction**  
 14 **projects**

15 “Along with the budget for each fiscal year submitted  
 16 by the President pursuant to section 1105(a) of title 31,  
 17 United States Code, the Secretary of Defense and the Sec-  
 18 retaries of the military departments shall include for any  
 19 military construction project over \$35,000,000, as an ad-  
 20 dendum to be included within the same document as the  
 21 1391s for the Military Construction Program budget doc-  
 22 umentation, a Project Spending Plan that includes—

23 “(1) a Work in Process Curve chart to identify  
 24 funding, obligations, and outlay figures; and



1 retary of the Air Force (in this section referred to as the  
2 “Secretary”) may—

3 (1) convey to TAA all right, title, and interest  
4 of the United States in and to all or any part of a  
5 parcel of real property, including any improvements  
6 thereon, consisting of approximately 58 acres on Air  
7 Force Plant 44, Arizona, and located adjacent to  
8 Tucson International Airport;

9 (2) agree to terminate all or a portion of any  
10 deed restrictions made for the benefit of the United  
11 States that limit construction on Tucson Inter-  
12 national Airport within 750 feet of the Airport’s  
13 southwest property boundary with Air Force Plant  
14 44; and

15 (3) using cash or in-kind consideration as pro-  
16 vided in subsection (b)—

17 (A) construct new explosives storage facili-  
18 ties to replace the explosives storage facilities  
19 located on the land described in paragraph (1)  
20 and explosives storage facilities located on Air  
21 Force Plant 44 within the end-of-runway clear  
22 zone associated with the TAA airfield enhance-  
23 ment project; and

1 (B) construct new fencing as necessary to  
2 accommodate the changes in the boundary of  
3 Air Force Plant 44.

4 (b) CONSIDERATION.—As consideration for the land  
5 conveyance, deed restriction termination, replacement of  
6 real property improvements, and installation of fencing  
7 authorized under subsection (a), the following consider-  
8 ation must be received by the United States before the  
9 Secretary may make any conveyance or termination of real  
10 property interests of the United States as described in  
11 subsection (a):

12 (1) All right, title, and interest of the owner or  
13 owners thereof to the parcels of real property con-  
14 sisting of approximately 160 acres directly adjacent  
15 to the south boundary of Air Force Plant 44.

16 (2) The cost to the Secretary, in accordance  
17 with current design standards, of—

18 (A) replacing the real property structures  
19 on Air Force Plant 44 made unusable due to  
20 the land transfers and termination of deed re-  
21 strictions, with structures of at least equivalent  
22 capacity and functionality; and

23 (B) installing the necessary boundary fence-  
24 ing due to the changes in the boundary of Air  
25 Force Plant 44.

1           (c) DIRECT PAYMENT OF CONSIDERATION TO GOV-  
2 ERNMENT CONTRACTORS.—The Secretary may require  
3 that any cash consideration to be received under this sec-  
4 tion be paid, directly or through the Air Force design and  
5 construction agent, to the contractors performing design  
6 or construction of the real property improvements de-  
7 scribed in subsection (a)(3).

8           (d) PAYMENT OF COSTS OF CONVEYANCES.—

9           (1) PAYMENT REQUIRED.—The Secretary may  
10 require TAA to cover costs to be incurred by the  
11 Secretary to carry out the land exchange and other  
12 transactions authorized under this section, or to re-  
13 imburse the Secretary for such costs, including sur-  
14 vey costs, appraisal costs, costs related to environ-  
15 mental documentation, and other administrative  
16 costs related to the conveyances. If amounts are col-  
17 lected from TAA in advance of the Secretary incur-  
18 ring the actual costs, and the amount collected ex-  
19 ceeds the costs actually incurred by the Secretary to  
20 carry out such transactions, the Secretary shall re-  
21 fund the excess amount to TAA.

22           (2) TREATMENT OF AMOUNTS RECEIVED.—  
23 Amounts received as reimbursements under para-  
24 graph (1) shall be used in accordance with section  
25 2695(e) of title 10, United States Code.



1 (e) DESCRIPTION OF PROPERTY.—The exact acreage  
2 and legal description of the real property to be exchanged  
3 under this section shall be determined by a survey satis-  
4 factory to the Secretary.

5 (f) ADDITIONAL TERMS AND CONDITIONS.—The Sec-  
6 retary may require such additional terms and conditions  
7 in connection with the land exchange and other trans-  
8 actions under this section as the Secretary considers ap-  
9 propriate to protect the interests of the United States.  
10 Without limiting the foregoing, the Secretary may estab-  
11 lish a deed restriction on any part of the 58 acres de-  
12 scribed in subsection (a)(1) to accommodate existing  
13 Quantity Distance arcs.

14 **SEC. 2822. LAND CONVEYANCE, EGLIN AIR FORCE BASE,**  
15 **FLORIDA.**

16 (a) CONVEYANCE AUTHORIZED.—The Secretary of  
17 the Air Force may convey, without consideration, to the  
18 Air Force Enlisted Village, a nonprofit corporation (in this  
19 section referred to as the “Village”), all right, title, and  
20 interest of the United States in and to a parcel of real  
21 property, including improvements thereon, consisting of  
22 approximately 80 acres located adjacent to Eglin Air  
23 Force Base, Florida, for the purpose of independent-living  
24 and assisted-living apartments for veterans. The convey-

1 ance under this subsection is subject to valid existing  
2 rights.

3 (b) REVERSIONARY INTEREST.—If the Secretary de-  
4 termines at any time that the real property conveyed  
5 under subsection (a) is not being used in accordance with  
6 the purpose of the conveyance specified in subsection (a),  
7 all right, title, and interest in and to such real property,  
8 including any improvements thereto, shall, at the option  
9 of the Secretary, revert to and become the property of the  
10 United States, and the United States shall have the right  
11 of immediate entry onto such real property. A determina-  
12 tion by the Secretary under this subsection shall be made  
13 on the record after an opportunity for a hearing.

14 (c) PAYMENT OF COSTS OF CONVEYANCE.—

15 (1) PAYMENT REQUIRED.—The Secretary may  
16 require the Village to cover all costs (except costs for  
17 environmental remediation of the property) to be in-  
18 curred by the Secretary, or to reimburse the Sec-  
19 retary for costs incurred by the Secretary, to carry  
20 out the conveyance under this section, including sur-  
21 vey costs, costs for environmental documentation,  
22 and any other administrative costs related to the  
23 conveyance. If amounts are collected from the Vil-  
24 lage in advance of the Secretary incurring the actual  
25 costs, and the amount collected exceeds the costs ac-

1 tually incurred by the Secretary to carry out the  
2 conveyance, the Secretary shall refund the excess  
3 amount to the Village.

4 (2) TREATMENT OF AMOUNTS RECEIVED.—

5 Amounts received under paragraph (1) as reim-  
6 bursement for costs incurred by the Secretary to  
7 carry out the conveyance under subsection (a) shall  
8 be credited to the fund or account that was used to  
9 cover the costs incurred by the Secretary in carrying  
10 out the conveyance, or to an appropriate fund or ac-  
11 count currently available to the Secretary for the  
12 purposes for which the costs were paid. Amounts so  
13 credited shall be merged with amounts in such fund  
14 or account and shall be available for the same pur-  
15 poses, and subject to the same conditions and limita-  
16 tions, as amounts in such fund or account.

17 (d) DESCRIPTION OF PROPERTY.—The exact acreage  
18 and legal description of the property to be conveyed under  
19 subsection (a) shall be determined by a survey satisfactory  
20 to the Secretary

21 (e) ADDITIONAL TERMS AND CONDITIONS.—The  
22 Secretary may require such additional terms and condi-  
23 tions in connection with the conveyance under subsection  
24 (a) as the Secretary considers appropriate to protect the  
25 interests of the United States.

1           **Subtitle D—Other Matters**

2   **SEC. 2831. COMMEMORATION OF FREEDMAN'S VILLAGE.**

3           (a) **FREEDMAN'S VILLAGE GATE.**—The Secretary of  
4 the Army shall, as part of the southern expansion of Ar-  
5 lington National Cemetery, name the newly constructed  
6 gate located at the intersection of Hobson Drive and  
7 Southgate Road, “Freedman’s Village Gate”.

8           (b) **PERMANENT EASEMENT.**—The Secretary of the  
9 Army is directed to grant to Arlington County a perma-  
10 nent easement of no less than 0.1 acres of land within  
11 the right-of-way of Southgate Road to the south and west  
12 of Hobson Drive and west of the planned joint base access  
13 road that is also continuous with Foxcroft Heights Park  
14 for the purpose of commemorating Freedman’s Village.

15           (c) **RELOCATION OF COMMEMORATION IN EVENT LO-**  
16 **CATION IS USED FOR BURIAL PURPOSES.**—In the event  
17 Arlington National Cemetery subsequently acquires the  
18 property used for the commemoration described under  
19 subsection (b) for burial purposes, the Army shall relocate  
20 any commemoration of Freedman’s Village to an appro-  
21 priate location.

22           (d) **REIMBURSEMENT.**—The Secretary of Defense  
23 may accept reimbursement from Arlington County for any  
24 costs associated with commemorating Freedman’s Village.

1 **SEC. 2832. STRATEGIC PLAN TO IMPROVE CAPABILITIES OF**  
2 **DEPARTMENT OF DEFENSE TRAINING**  
3 **RANGES AND INSTALLATIONS.**

4 (a) **PLAN REQUIRED.**—The Secretary of Defense  
5 shall develop and implement a comprehensive strategic  
6 plan to identify and address deficits in the capabilities of  
7 Department of Defense training ranges to support current  
8 and anticipated readiness requirements to execute the Na-  
9 tional Defense Strategy (NDS).

10 (b) **EVALUATION.**—As part of the preparation of the  
11 strategic plan, the Secretary shall conduct an evaluation  
12 of the following:

13 (1) The adequacy of current training range re-  
14 sources to include the ability to train against near-  
15 peer or peer threats in a realistic 5th Generation en-  
16 vironment.

17 (2) The adequacy of current training enablers  
18 to meet current and anticipated demands of the  
19 Armed Forces.

20 (c) **ELEMENTS.**—The strategic plan shall include the  
21 following:

22 (1) Proposals to enhance the capabilities of  
23 training ranges to address any limitations or con-  
24 straints on current Department resources, including  
25 any climatically induced impacts or shortfalls.

1           (2) Goals and milestones for tracking actions  
2           under the plan and measuring progress in carrying  
3           out such actions.

4           (3) Projected funding requirements for imple-  
5           menting actions under the plan.

6           (d) DEVELOPMENT AND IMPLEMENTATION.—The  
7           Under Secretary of Defense for Acquisition and  
8           Sustainment, as the principal staff assistant to the Sec-  
9           retary on installation management, shall have lead respon-  
10          sibility for developing and overseeing implementation of  
11          the strategic plan and for coordination of the discharge  
12          of the plan by components of the Department.

13          (e) REPORT ON IMPLEMENTATION.—Not later than  
14          April 1, 2020, the Secretary shall, through the Under Sec-  
15          retary of Defense for Acquisition and Sustainment, submit  
16          to Congress a report on the progress made in imple-  
17          menting this section, including the following:

18               (1) A description of the strategic plan.

19               (2) A description of the results of the evalua-  
20               tion conducted under subsection (b).

21               (3) Such recommendations as the Secretary  
22               considers appropriate with respect to improvements  
23               of the capabilities of training ranges and enablers.

24          (f) PROGRESS REPORTS.—Not later than April 1,  
25          2019, and annually thereafter for 3 years, the Secretary

1 shall, through the Under Secretary, submit to Congress  
2 a report setting forth the following:

3 (1) A description of the progress made during  
4 the preceding fiscal year in implementing the stra-  
5 tegic plan.

6 (2) A description of any additional actions  
7 taken, or to be taken, to address limitations and  
8 constraints on training ranges and enablers.

9 (3) Assessments of individual training ranges  
10 addressing the evaluation conducted under sub-  
11 section (b).

12 (g) **ADDITIONAL REPORT ELEMENT.**—Each report  
13 under subsections (e) and (f) shall also include a list of  
14 significant modifications to training range inventory, such  
15 as range closures or expansions, during the preceding fis-  
16 cal year, including any limitations or impacts due to cli-  
17 matic conditions.

18 **SEC. 2833. NATIVE AMERICAN INDIAN LANDS ENVIRON-**  
19 **MENTAL MITIGATION PROGRAM.**

20 (a) **IN GENERAL.**—Chapter 160 of title 10, United  
21 States Code, is amended by adding at the end the fol-  
22 lowing new section:

1 **“§ 2712. Native American lands environmental mitiga-**  
2 **tion program**

3 “(a) ESTABLISHMENT.—The Secretary of Defense  
4 may establish and carry out a program to mitigate the  
5 environmental effects of Department of Defense actions  
6 on Indian lands and culturally connected locations.

7 “(b) PROGRAM ACTIVITIES.—The activities that may  
8 be carried out under the program established under sub-  
9 section (a) are the following:

10 “(1) Identification, investigation, and docu-  
11 mentation of suspected environmental effects attrib-  
12 utable to past Department of Defense actions.

13 “(2) Development of mitigation options for such  
14 environmental effects, including development of cost-  
15 to-complete estimates and a system for prioritizing  
16 mitigation actions.

17 “(3) Direct mitigation actions that the Sec-  
18 retary determines are necessary and appropriate to  
19 mitigate the adverse environmental effects of past  
20 Department of Defense actions.

21 “(4) Demolition and removal of unsafe build-  
22 ings and structures used by, under the jurisdiction  
23 of, or formerly used by or under the jurisdiction of  
24 the Department of Defense.

25 “(5) Training, technical assistance, and admin-  
26 istrative support to facilitate the meaningful partici-



1       pation of Indian tribes in mitigation actions under  
2       the program.

3               “(6) Development and execution of a policy gov-  
4       erning consultation with Indian tribes that have  
5       been or may be affected by Department of Defense  
6       actions, including training Department of Defense  
7       personnel to ensure compliance with the policy.

8               “(c) COOPERATIVE AGREEMENTS.—(1) In carrying  
9       out the program established under subsection (a), the Sec-  
10      retary of Defense may enter into a cooperative agreement  
11      with an Indian tribe or an instrumentality of tribal govern-  
12      ment.

13              “(2) Notwithstanding chapter 63 of title 31, a coop-  
14      erative agreement under this section may be used to ac-  
15      quire property or services for the direct benefit of the  
16      United States Government.

17              “(3) Any cooperative agreement under this section  
18      for the procurement of severable services may begin in one  
19      fiscal year and end in another fiscal year provided the  
20      total period of performance does not exceed five calendar  
21      years.

22              “(d) DEFINITIONS.—In this section:

23                      “(1) The term ‘Indian land’ includes—

1           “(A) any land located within the bound-  
2           aries and a part of an Indian reservation, pueb-  
3           lo, or rancheria;

4           “(B) any land that has been allotted to an  
5           individual Indian, but has not been conveyed to  
6           such Indian with full power of alienation;

7           “(C) Alaska Native village and regional  
8           corporation lands; and

9           “(D) lands and waters upon which any  
10          federally recognized Indian tribe has rights re-  
11          served by treaty, act of Congress, or action by  
12          the President.

13          “(2) The term ‘Indian tribe’ means any Indian  
14          tribe, band, nation, or other organized group or com-  
15          munity, including any Alaska Native village or re-  
16          gional or village corporation as defined in or estab-  
17          lished pursuant to the Alaska Native Claims Settle-  
18          ment Act (43 U.S.C. 1601 et seq.), which is recog-  
19          nized as eligible for the special programs and serv-  
20          ices provided by the United States to Indians be-  
21          cause of their status as Indians.

22          “(3) The term ‘culturally connected location’  
23          means a location or place that has demonstrable sig-  
24          nificance to Indians or Alaska Natives based on its  
25          association with the traditional beliefs, customs, and

1 practices of a living community, including locations  
 2 or places where religious, ceremonial, subsistence,  
 3 medicinal, economic, or other lifeways practices have  
 4 historically taken place.”.

5 (b) TABLE OF SECTIONS AMENDMENT.—The table of  
 6 sections at the beginning of such chapter is amended by  
 7 inserting after the item relating to section 2711 the fol-  
 8 lowing new item:

“2712. Native American lands environmental mitigation program.”.

9 **SEC. 2834. DEFENSE COMMUNITY INFRASTRUCTURE PILOT**  
 10 **PROGRAM.**

11 Section 2391 of title 10, United States Code, is  
 12 amended—

13 (1) by redesignating subsections (d) and (e) as  
 14 subsections (e) and (f), respectively;

15 (2) by inserting after subsection (e) the fol-  
 16 lowing new subsection:

17 “(d) DEFENSE COMMUNITY INFRASTRUCTURE PILOT  
 18 PROGRAM.—(1) The Secretary of Defense may make  
 19 grants, conclude cooperative agreements, and supplement  
 20 funds available under Federal programs administered by  
 21 agencies other than the Department of Defense to assist  
 22 State and local governments to address deficiencies in  
 23 community infrastructure supportive of a military installa-  
 24 tion, if the Secretary determines that such assistance will

1 enhance the military value, resilience, or military family  
2 quality of life at such military installation.

3       “(2) The Secretary shall establish criteria for the se-  
4 lection of community infrastructure projects to receive as-  
5 sistance under paragraph (1). The criteria shall include  
6 a requirement that the State or local government agree  
7 to contribute not less than 30 percent of the funding for  
8 the community infrastructure project, unless the commu-  
9 nity infrastructure project is located in a rural area, or  
10 for reasons related to national security, in which case the  
11 Secretary may waive the requirement for a State or local  
12 government contribution.

13       “(3) Amounts appropriated or otherwise made avail-  
14 able for assistance under paragraph (1) may remain avail-  
15 able until expended.

16       “(4) The authority under this subsection shall expire  
17 on September 30, 2023.”; and

18               (3) in subsection (e), as redesignated by para-  
19 graph (1), by adding at the end the following new  
20 paragraphs:

21               “(4) The term ‘community infrastructure’  
22 means any transportation project; school, hospital,  
23 police, fire, emergency response, or other community  
24 support facility; or water, waste-water, telecommuni-  
25 cations, electric, gas, or other utility infrastructure

1 project that is located off of a military installation  
2 and owned by a State or local government.

3 “(5) The term ‘rural area’ means a city, town,  
4 or unincorporated area that has a population of not  
5 more than 20,000 inhabitants.”.

6 **SEC. 2835. REPRESENTATION OF INSTALLATION INTERESTS**  
7 **IN NEGOTIATIONS AND PROCEEDINGS WITH**  
8 **CARRIERS AND OTHER PUBLIC UTILITIES.**

9 Section 501(c) of title 40, United States Code, is  
10 amended—

11 (1) by redesignating paragraphs (1) and (2) as  
12 subparagraphs (A) and (B), respectively;

13 (2) by inserting “(1)” before “For transpor-  
14 tation”; and

15 (3) by adding at the end the following new  
16 paragraph:

17 “(2) Prior to representing any installation of the De-  
18 partment of Defense in any proceeding under this sub-  
19 section, the Administrator or any persons or entities act-  
20 ing on behalf of the Administrator shall—

21 “(A) notify the senior mission commander of  
22 the installation; and

23 “(B) solicit and represent the interests of the  
24 installation as determined by the installation’s senior  
25 mission commander.”.

1 **SEC. 2836. WHITE SANDS MISSILE RANGE LAND ENHANCE-**  
2 **MENTS.**

3 (a) DEFINITIONS.—In this section:

4 (1) MAP.—The term “Map” means the map en-  
5 titled “White Sands National Park Proposed Bound-  
6 ary Revision & Transfer of Lands Between National  
7 Park Service & Department of the Army”, numbered  
8 142/136,271, and dated February 14, 2017.

9 (2) MILITARY MUNITIONS.—The term “military  
10 munitions” has the meaning given the term in sec-  
11 tion 101(e) of title 10, United States Code.

12 (3) MISSILE RANGE.—The term “missile  
13 range” means the White Sands Missile Range, New  
14 Mexico, administered by the Secretary of the Army.

15 (4) MONUMENT.—The term “Monument”  
16 means the White Sands National Monument, New  
17 Mexico, established by Presidential Proclamation  
18 No. 2025 (54 U.S.C. 320301 note), dated January  
19 18, 1933, and administered by the Secretary.

20 (5) MUNITIONS DEBRIS.—The term “munitions  
21 debris” has the meaning given the term in volume  
22 8 of the Department of Defense Manual Number  
23 6055.09-M entitled “DoD Ammunitions and Explo-  
24 sives Safety Standards” and dated February 29,  
25 2008 (as in effect on the date of enactment of this  
26 Act).

1           (6) PARK.—The term “Park” means the White  
2 Sands National Park established by subsection  
3 (b)(2)(A).

4           (7) PUBLIC LAND ORDER.—The term “Public  
5 Land Order” means Public Land Order 833, dated  
6 May 21, 1952 (17 Fed. Reg. 4822).

7           (8) SECRETARY.—The term “Secretary” means  
8 the Secretary of the Interior.

9           (9) STATE.—The term “State” means the State  
10 of New Mexico.

11 (b) WHITE SANDS NATIONAL PARK.—

12           (1) FINDINGS.—Congress finds that—

13                   (A) White Sands National Monument was  
14 established on January 18, 1933, by President  
15 Herbert Hoover under chapter 3203 of title 54,  
16 United States Code (commonly known as the  
17 “Antiquities Act of 1906”);

18                   (B) President Hoover proclaimed that the  
19 Monument was established “for the preserva-  
20 tion of the white sands and additional features  
21 of scenic, scientific, and educational interest”;

22                   (C) the Monument was expanded by Presi-  
23 dents Roosevelt, Eisenhower, Carter, and Clin-  
24 ton in 1934, 1942, 1953, 1978, and 1996, re-  
25 spectively;

1 (D) the Monument contains a substantially  
2 more diverse set of nationally significant histor-  
3 ical, archaeological, scientific, and natural re-  
4 sources than were known of at the time the  
5 Monument was established, including a number  
6 of recent discoveries;

7 (E) the Monument is recognized as a  
8 major unit of the National Park System with  
9 extraordinary values enjoyed by more visitors  
10 each year since 1995 than any other unit in the  
11 State;

12 (F) the Monument contributes significantly  
13 to the local economy by attracting tourists; and

14 (G) designation of the Monument as a na-  
15 tional park would increase public recognition of  
16 the diverse array of nationally significant re-  
17 sources at the Monument and visitation to the  
18 unit.

19 (2) ESTABLISHMENT OF WHITE SANDS NA-  
20 TIONAL PARK.—

21 (A) ESTABLISHMENT.—To protect, pre-  
22 serve, and restore its scenic, scientific, edu-  
23 cational, natural, geological, historical, cultural,  
24 archaeological, paleontological, hydrological,  
25 fish, wildlife, and recreational values and to en-



1           hance visitor experiences, there is established in  
2           the State the White Sands National Park as a  
3           unit of the National Park System.

4           (B) ABOLISHMENT OF WHITE SANDS NA-  
5           TIONAL MONUMENT.—

6           (i) ABOLISHMENT.—Due to the estab-  
7           lishment of the Park, the Monument is  
8           abolished.

9           (ii) INCORPORATION.—The land and  
10          interests in land that comprise the Monu-  
11          ment are incorporated in, and shall be con-  
12          sidered to be part of, the Park.

13          (C) REFERENCES.—Any reference in a  
14          law, map, regulation, document, paper, or other  
15          record of the United States to the “White  
16          Sands National Monument” shall be considered  
17          to be a reference to the “White Sands National  
18          Park”.

19          (D) AVAILABILITY OF FUNDS.—Any funds  
20          available for the Monument shall be available  
21          for the Park.

22          (E) ADMINISTRATION.—The Secretary  
23          shall administer the Park in accordance with—

24                 (i) this subsection; and

1           (ii) the laws generally applicable to  
2 units of the National Park System, includ-  
3 ing section 100101(a), chapter 1003, sec-  
4 tions 100751(a), 100752, 100753, and  
5 102101, and chapter 3201 of title 54,  
6 United States Code.

7           (F) WORLD HERITAGE LIST NOMINA-  
8 TION.—

9           (i) COUNTY CONCURRENCE.—The  
10 Secretary shall not submit a nomination  
11 for the Park to be included on the World  
12 Heritage List of the United Nations Edu-  
13 cational, Scientific and Cultural Organiza-  
14 tion unless each county in which the Park  
15 is located concurs in the nomination.

16           (ii) ARMY NOTIFICATION.—Before  
17 submitting a nomination for the Park to be  
18 included on the World Heritage List of the  
19 United Nations Educational, Scientific and  
20 Cultural Organization, the Secretary shall  
21 notify the Secretary of the Army of the in-  
22 tent of the Secretary to nominate the  
23 Park.

24           (G) EFFECT.—Nothing in this paragraph  
25 affects—

1 (i) valid existing rights (including  
2 water rights);

3 (ii) permits or contracts issued by the  
4 Monument;

5 (iii) existing agreements, including  
6 agreements with the Department of De-  
7 fense;

8 (iv) the jurisdiction of the Department  
9 of Defense regarding the restricted air-  
10 space above the Park; or

11 (v) the airshed classification of the  
12 Park under the Clean Air Act (42 U.S.C.  
13 7401 et seq.).

14 (c) MODIFICATION OF BOUNDARIES OF WHITE  
15 SANDS NATIONAL PARK AND WHITE SANDS MISSILE  
16 RANGE.—

17 (1) TRANSFERS OF ADMINISTRATIVE JURISDIC-  
18 TION.—

19 (A) TRANSFER OF ADMINISTRATIVE JURIS-  
20 DICTION TO THE SECRETARY.—

21 (i) IN GENERAL.—Administrative ju-  
22 risdiction over the land described in clause  
23 (ii) is transferred from the Secretary of the  
24 Army to the Secretary.

1 (ii) DESCRIPTION OF LAND.—The  
2 land referred to in clause (i) is—

3 (I) the approximately 2,826 acres  
4 of land identified as “To NPS, lands  
5 inside current boundary” on the Map;  
6 and

7 (II) the approximately 5,766  
8 acres of land identified as “To NPS,  
9 new additions” on the Map.

10 (B) TRANSFER OF ADMINISTRATIVE JURIS-  
11 DICTION TO THE SECRETARY OF THE ARMY.—

12 (i) IN GENERAL.—Administrative ju-  
13 risdiction over the land described in clause  
14 (ii) is transferred from the Secretary to  
15 the Secretary of the Army.

16 (ii) DESCRIPTION OF LAND.—The  
17 land referred to in clause (i) is the ap-  
18 proximately 3,737 acres of land identified  
19 as “To DOA” on the Map.

20 (2) BOUNDARY MODIFICATIONS.—

21 (A) PARK.—

22 (i) IN GENERAL.—The boundary of  
23 the Park is revised to reflect the boundary  
24 depicted on the Map.

25 (ii) MAP.—

1 (I) IN GENERAL.—The Secretary,  
2 in coordination with the Secretary of  
3 the Army, shall prepare and keep on  
4 file for public inspection in the appro-  
5 priate office of the Secretary a map  
6 and a legal description of the revised  
7 boundary of the Park.

8 (II) EFFECT.—The map and  
9 legal description under subclause (I)  
10 shall have the same force and effect  
11 as if included in this section, except  
12 that the Secretary may correct clerical  
13 and typographical errors in the map  
14 and legal description.

15 (iii) BOUNDARY SURVEY.—As soon as  
16 practicable after the date of the establish-  
17 ment of the Park and subject to the avail-  
18 ability of funds, the Secretary shall com-  
19 plete an official boundary survey of the  
20 Park.

21 (B) MISSILE RANGE.—

22 (i) IN GENERAL.—The boundary of  
23 the missile range and the Public Land  
24 Order are modified to exclude the land  
25 transferred to the Secretary under para-

1 graph (1)(A) and to include the land  
2 transferred to the Secretary of the Army  
3 under paragraph (1)(B).

4 (ii) MAP.—The Secretary shall pre-  
5 pare a map and legal description depicting  
6 the revised boundary of the missile range.

7 (C) CONFORMING AMENDMENT.—Section  
8 2854 of Public Law 104–201 (54 U.S.C.  
9 320301 note) is repealed.

10 (3) ADMINISTRATION.—

11 (A) PARK.—The Secretary shall admin-  
12 ister the land transferred under paragraph  
13 (1)(A) in accordance with laws (including regu-  
14 lations) applicable to the Park.

15 (B) MISSILE RANGE.—Subject to subpara-  
16 graph (C), the Secretary of the Army shall ad-  
17 minister the land transferred to the Secretary  
18 of the Army under paragraph (1)(B) as part of  
19 the missile range.

20 (C) INFRASTRUCTURE; RESOURCE MAN-  
21 AGEMENT.—

22 (i) RANGE ROAD 7.—

23 (I) INFRASTRUCTURE MANAGE-  
24 MENT.—To the maximum extent prac-  
25 ticable, in planning, constructing, and

1 managing infrastructure on the land  
2 described in subclause (III), the Sec-  
3 retary of the Army shall apply low-im-  
4 pact development techniques and  
5 strategies to prevent impacts within  
6 the missile range and the Park from  
7 stormwater runoff from the land de-  
8 scribed in that subclause.

9 (II) RESOURCE MANAGEMENT.—

10 The Secretary of the Army shall—

11 (aa) manage the land de-  
12 scribed in subclause (III) in a  
13 manner consistent with the pro-  
14 tection of natural and cultural re-  
15 sources within the missile range  
16 and the Park and in accordance  
17 with section 101(a)(1)(B) of the  
18 Sikes Act (16 U.S.C.  
19 670a(a)(1)(B)), division A of  
20 subtitle III of title 54, United  
21 States Code, and the Native  
22 American Graves Protection and  
23 Repatriation Act (25 U.S.C.  
24 3001 et seq.); and

1 (bb) include the land de-  
 2 scribed in subclause (III) in the  
 3 integrated natural and cultural  
 4 resource management plan for  
 5 the missile range.

6 (III) DESCRIPTION OF LAND.—  
 7 The land referred to in subclauses (I)  
 8 and (II) is the land that is transferred  
 9 to the administrative jurisdiction of  
 10 the Secretary of the Army under  
 11 paragraph (1)(B) and located in the  
 12 area east of Range Road 7 in—

13 (aa) T. 17 S., R. 5 E., sec.

14 31;

15 (bb) T. 18 S., R. 5 E.; and

16 (cc) T. 19 S., R. 5 E., sec.

17 5.

18 (ii) FENCE.—

19 (I) IN GENERAL.—The Secretary  
 20 of the Army shall continue to allow  
 21 the Secretary to maintain the fence  
 22 shown on the Map until such time as  
 23 the Secretary determines that the  
 24 fence is unnecessary for the manage-  
 25 ment of the Park.



1 (II) REMOVAL.—If the Secretary  
2 determines that the fence is unneces-  
3 sary for the management of the Park  
4 under subclause (I), the Secretary  
5 shall promptly remove the fence at the  
6 expense of the Department of the In-  
7 terior.

8 (D) RESEARCH.—The Secretary of the  
9 Army and the Secretary may enter into an  
10 agreement to allow the Secretary to conduct  
11 certain research in the area identified as “Co-  
12 operative Use Research Area” on the Map.

13 (E) MILITARY MUNITIONS AND MUNITIONS  
14 DEBRIS.—

15 (i) RESPONSE ACTION.—With respect  
16 to any Federal liability, the Secretary of  
17 the Army shall remain responsible for any  
18 response action addressing military muni-  
19 tions or munitions debris on the land  
20 transferred under paragraph (1)(A) to the  
21 same extent as on the day before the date  
22 of enactment of this Act.

23 (ii) INVESTIGATION OF MILITARY MU-  
24 NITIONS AND MUNITIONS DEBRIS.—

1 (I) IN GENERAL.—The Secretary  
2 may request that the Secretary of the  
3 Army conduct 1 or more investiga-  
4 tions of military munitions or muni-  
5 tions debris on any land transferred  
6 under paragraph (1)(A).

7 (II) ACCESS.—The Secretary  
8 shall give access to the Secretary of  
9 the Army to the land covered by a re-  
10 quest under subclause (I) for the pur-  
11 poses of conducting the 1 or more in-  
12 vestigations under that subclause.

13 (III) LIMITATION.—An investiga-  
14 tion conducted under this clause shall  
15 be subject to available appropriations.

16 (iii) APPLICABLE LAW.—Any activities  
17 undertaken under this subparagraph shall  
18 be carried out in accordance with—

19 (I) the Comprehensive Environ-  
20 mental Response, Compensation, and  
21 Liability Act of 1980 (42 U.S.C. 9601  
22 et seq.);

23 (II) the purposes for which the  
24 Park was established; and

25 (III) any other applicable law.

1 **SEC. 2837. AUTHORITY TO TRANSFER FUNDS FOR CON-**  
 2 **STRUCTION OF INDIAN RIVER BRIDGE.**

3 Notwithstanding the limitation in section 2215 of  
 4 title 10, United States Code, the Secretary of Defense may  
 5 transfer to the Administrator of the National Aeronautics  
 6 and Space Administration up to 50 percent of the shared  
 7 costs of constructing the Indian River Bridge. The author-  
 8 ity under this section shall expire on October 1, 2022.

9 **TITLE XXIX—OVERSEAS CONTIN-**  
 10 **GENY OPERATIONS MILI-**  
 11 **TARY CONSTRUCTION**

12 **SEC. 2901. AUTHORIZED ARMY CONSTRUCTION AND LAND**  
 13 **ACQUISITION PROJECTS.**

14 The Secretary of the Army may acquire real property  
 15 and carry out the military construction projects for the  
 16 installation outside the United States, and in the amount,  
 17 set forth in the following table:

**Army: Outside the United States**

<b>Country</b>	<b>Location</b>	<b>Amount</b>
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

18 **SEC. 2902. AUTHORIZED NAVY CONSTRUCTION AND LAND**  
 19 **ACQUISITION PROJECTS.**

20 The Secretary of the Navy may acquire real property  
 21 and carry out the military construction projects for the

1 installations outside the United States, and in the  
2 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
Spain .....	Rota .....	\$21,590,000
United Kingdom .....	Lossiemouth .....	\$79,130,000

3 **SEC. 2903. AUTHORIZED AIR FORCE CONSTRUCTION AND**  
4 **LAND ACQUISITION PROJECTS.**

5 The Secretary of the Air Force may acquire real  
6 property and carry out the military construction projects  
7 for the installations outside the United States, and in the  
8 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

9 **SEC. 2904. AUTHORIZED DEFENSE AGENCIES CONSTRUC-**  
10 **TION AND LAND ACQUISITION PROJECTS.**

11 The Secretary of Defense may acquire real property  
12 and carry out the military construction projects for the  
13 installations outside the United States, and in the  
14 amounts, 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

1 **SEC. 2905. AUTHORIZATION OF APPROPRIATIONS.**

2 Funds are hereby authorized to be appropriated for  
3 fiscal years beginning after September 30, 2018, for the  
4 military construction projects outside the United States  
5 authorized by this title as specified in the funding table  
6 in section 4601.

7 **DIVISION C—DEPARTMENT OF**  
8 **ENERGY NATIONAL SECURITY**  
9 **AUTHORIZATIONS AND**  
10 **OTHER AUTHORIZATIONS**  
11 **TITLE XXXI—DEPARTMENT OF**  
12 **ENERGY NATIONAL SECURITY**  
13 **PROGRAMS**  
14 **Subtitle A—National Security**  
15 **Programs and Authorizations**

16 **SEC. 3101. NATIONAL NUCLEAR SECURITY ADMINISTRA-**  
17 **TION.**

18 (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds  
19 are hereby authorized to be appropriated to the Depart-  
20 ment of Energy for fiscal year 2019 for the activities of  
21 the National Nuclear Security Administration in carrying  
22 out programs as specified in the funding table in section  
23 4701.

24 (b) **AUTHORIZATION OF NEW PLANT PROJECTS.**—  
25 From funds referred to in subsection (a) that are available  
26 for carrying out plant projects, the Secretary of Energy

1 may carry out new plant projects for the National Nuclear  
2 Security Administration as follows:

3           Project 19–D–670, 138kV Power Transmission  
4           System Replacement, Nevada National Security Site,  
5           Nevada, \$6,000,000.

6           Project 19–D–660, Lithium Production Capa-  
7           bility, Y–12 National Security Complex, Oak Ridge,  
8           Tennessee, \$19,000,000.

9           Project 19–D–930, KS Overhead Piping, Kes-  
10          selring Site, West Milton, New York, \$10,994,000.

11 **SEC. 3102. DEFENSE ENVIRONMENTAL CLEANUP.**

12          Funds are hereby authorized to be appropriated to  
13 the Department of Energy for fiscal year 2019 for defense  
14 environmental cleanup activities in carrying out programs  
15 as specified in the funding table in section 4701.

16 **SEC. 3103. OTHER DEFENSE ACTIVITIES.**

17          Funds are hereby authorized to be appropriated to  
18 the Department of Energy for fiscal year 2019 for other  
19 defense activities in carrying out programs as specified in  
20 the funding table in section 4701.

21 **SEC. 3104. NUCLEAR ENERGY.**

22          Funds are hereby authorized to be appropriated to  
23 the Department of Energy for fiscal year 2019 for nuclear  
24 energy as specified in the funding table in section 4701.

1 **Subtitle B—Program Authoriza-**  
2 **tions, Restrictions, and Limita-**  
3 **tions**

4 **SEC. 3111. CLARIFICATION OF ROLES AND AUTHORITIES**  
5 **OF NATIONAL NUCLEAR SECURITY ADMINIS-**  
6 **TRATION.**

7 (a) AMENDMENTS TO DEPARTMENT OF ENERGY OR-  
8 GANIZATION ACT.—

9 (1) UNDER SECRETARY FOR NUCLEAR SECUR-  
10 RITY.—Section 202(c)(3) of the Department of En-  
11 ergy Organization Act (42 U.S.C. 7132(c)(3)) is  
12 amended by striking “Act.” and all that follows  
13 through “may be delegated” and inserting the fol-  
14 lowing: “Act (50 U.S.C. 2402). In carrying out the  
15 functions of the Administrator, the Under Secretary  
16 shall be subject to the authority of the Secretary in  
17 accordance with section 3219 of that Act (50 U.S.C.  
18 2409). Such authority may be delegated”.

19 (2) ESTABLISHMENT OF POLICY.—Section 213  
20 of the Department of Energy Organization Act (42  
21 U.S.C. 7144) is amended—

22 (A) in subsection (a), by inserting “, act-  
23 ing through the Under Secretary for Nuclear  
24 Security,” after “The Secretary”;

25 (B) in subsection (b)—

1 (i) by striking “programs and activi-  
2 ties of the Administration” and inserting  
3 “regulations, policies, and activities of the  
4 Administration with respect to health and  
5 safety” ; and

6 (ii) by striking “those programs and  
7 activities” and inserting “those regula-  
8 tions, policies, and activities”; and

9 (C) by striking subsection (c).

10 (b) AMENDMENTS TO NATIONAL NUCLEAR SECUR-  
11 RITY ADMINISTRATION ACT.—

12 (1) ADMINISTRATOR FOR NUCLEAR SECUR-  
13 RITY.—Section 3212 of the National Nuclear Secu-  
14 rity Administration Act (50 U.S.C. 2402) is amend-  
15 ed—

16 (A) in subsection (b)—

17 (i) in the matter preceding paragraph  
18 (1), by striking “and activities” and insert-  
19 ing “, policies, regulations, and rules”; and

20 (ii) in paragraph (9), by striking the  
21 end period and inserting “, subject to the  
22 policies of the Department of Energy.”;  
23 and

24 (B) in subsection (d)—



1 (i) by striking “may” and inserting  
2 “shall”; and

3 (ii) by striking “, unless disapproved  
4 by the Secretary of Energy” and inserting  
5 “to carry out the mission and functions of  
6 the Administration, except as provided by  
7 section 3219”.

8 (2) GENERAL COUNSEL.—Section 3217 of the  
9 National Nuclear Security Administration Act (50  
10 U.S.C. 2407) is amended—

11 (A) by striking “There is” and inserting  
12 the following:

13 “(a) IN GENERAL.—There is”;

14 (B) by striking the end period and insert-  
15 ing “and shall report to the Administrator.”;  
16 and

17 (C) by adding at the end the following new  
18 subsection:

19 “(b) AVOIDANCE OF COORDINATION AND DUPLICA-  
20 TION.—The General Counsel shall be independent from  
21 and may not duplicate the efforts of the General Counsel  
22 of the Department of Energy appointed under section  
23 202(e) of the Department of Energy Organization Act (42  
24 U.S.C. 7132(e)).”.

1           (3) STAFF.—Section 3218 of the National Nu-  
2           clear Security Administration Act (50 U.S.C. 2408)  
3           is amended by adding at the end the following new  
4           subsections:

5           “(c) REPORTING.—The staff of the Administration  
6           shall report to the Administrator through the appropriate  
7           structures of the Administration.

8           “(d) AVOIDANCE OF COORDINATION AND DUPLICA-  
9           TION.—The staff of the Administration performing func-  
10          tions specified in subsection (b) shall be independent from  
11          and may not duplicate the efforts of staff of elements of  
12          the Department of Energy other than the Administration  
13          that perform functions similar to the functions specified  
14          in subsection (b).

15          “(e) APPLICABILITY OF PROHIBITION ON DUAL OF-  
16          FICE HOLDING.—The prohibition under section 3220(d)  
17          shall apply to staff of the Administration performing func-  
18          tions specified in subsection (b).”.

19          (4) AUTHORITY OF SECRETARY.—

20                 (A) IN GENERAL.—Section 3219 of the  
21                 National Nuclear Security Administration Act  
22                 (50 U.S.C. 2409) is amended—

23                         (i) in the section heading, by striking  
24                         **“TO MODIFY ORGANIZATION OF”** and  
25                         inserting **“WITH RESPECT TO”**;

1                   (ii) by striking “Notwithstanding”  
2                   and inserting the following:

3           “(a) IN GENERAL.—(1) The Secretary of Energy,  
4 acting through the Administrator, shall be responsible for  
5 setting broad priorities for the Administration.

6           “(2) The Secretary may disapprove any action, pol-  
7 icy, regulation, or rule of the Administrator if—

8                   “(A) the Secretary submits to the congressional  
9 defense committees justification for such dis-  
10 approval; and

11                   “(B) a period of 15 days has elapsed following  
12 the date on which such justification was submitted.

13           “(3) Except as provided by this section, the Adminis-  
14 trator shall have complete authority to establish and con-  
15 duct oversight of policies, activities, and procedures of the  
16 Administration without direction or oversight by the Sec-  
17 retary.

18           “(4) The authority of the Secretary under para-  
19 graphs (1) and (2) may be delegated only to the Deputy  
20 Secretary of Energy, without further redelegation.

21           “(b) ORGANIZATION OF ADMINISTRATION.—Notwith-  
22 standing”; and

23                   (iii) in subsection (b), as designated  
24 by clause (ii), by striking “subsection (b)  
25 or (c) of”.

1                   (B) CLERICAL AMENDMENT.—The table of  
2 contents for the National Nuclear Security Ad-  
3 ministration Act is amended by striking the  
4 item relating to section 3219 and inserting the  
5 following new item:

“Sec. 3219. Scope of authority of Secretary of Energy with respect to Adminis-  
tration.”.

6                   (5) STATUS OF PERSONNEL.—Section 3220 of  
7 the National Nuclear Security Administration Act  
8 (50 U.S.C. 2410) is amended—

9                   (A) in subsection (a)—

10                   (i) in paragraph (1)—

11                   (I) by striking subparagraph (A);

12                   and

13                   (II) by redesignating subpara-  
14 graphs (B) and (C) as subparagraphs  
15 (A) and (B), respectively; and

16                   (ii) in paragraph (2), by striking the  
17 end period and inserting “, except as pro-  
18 vided by section 3219.”; and

19                   (B) in subsection (b), by striking the end  
20 period and inserting “and except as provided by  
21 section 3219.”.

22                   (6) OFFICE OF DEFENSE NUCLEAR SECUR-  
23 ITY.—Section 3232 of the National Nuclear Secu-

1 rity Administration Act (50 U.S.C. 2422) is amend-  
2 ed—

3 (A) in subsection (a), by striking “Sec-  
4 retary of Energy” and all that follows and in-  
5 serting “Administrator.”; and

6 (B) in subsection (b)—

7 (i) in paragraph (1), by striking “Sec-  
8 retary and”; and

9 (ii) in paragraph (2)—

10 (I) by striking “Secretary” and  
11 inserting “Secretary of Energy”; and

12 (II) by striking “Department”  
13 and inserting “Department of En-  
14 ergy”.

15 (7) COUNTERINTELLIGENCE PROGRAMS.—Sec-  
16 tion 3233 of the National Nuclear Security Adminis-  
17 tration Act (50 U.S.C. 2423) is amended—

18 (A) in subsection (a), by inserting “, in co-  
19 ordination with the Administrator,” after “Sec-  
20 retary of Energy”; and

21 (B) in subsection (b), by inserting “, in co-  
22 ordination with the Administrator,” after “Sec-  
23 retary of Energy”.

24 (8) AUTHORIZED PERSONNEL LEVELS.—

1 (A) IN GENERAL.—Section 3241A of the  
2 National Nuclear Security Administration Act  
3 (50 U.S.C. 2441a) is amended—

4 (i) in the section heading, by striking  
5 “**AUTHORIZED**” and inserting “**ANNUAL**  
6 **REPORT ON**”;

7 (ii) by amending subsection (a) to  
8 read as follows:

9 “(a) IN GENERAL.—The Administrator shall include  
10 in the budget justification materials submitted to Con-  
11 gress in support of the budget of the Administration for  
12 each fiscal year (as submitted with the budget of the  
13 President under section 1105(a) of title 31, United States  
14 Code) a report containing the following information as of  
15 the date of the report:

16 “(1) The number of full-time equivalent em-  
17 ployees of the Office of the Administrator.

18 “(2) The number of service support contracts of  
19 the Administration and whether such contracts are  
20 funded using program or program direction funds.

21 “(3) The number of full-time equivalent con-  
22 tractor employees working under each contract iden-  
23 tified under paragraph (2).

24 “(4) The number of full-time equivalent con-  
25 tractor employees described in paragraph (3) that

1 have been employed under such a contract for a pe-  
 2 riod greater than two years.

3 “(5) With respect to each contract identified  
 4 under paragraph (2)—

5 “(A) the cost of the contract; and

6 “(B) identification of the program or pro-  
 7 gram direction accounts that support the con-  
 8 tract.”;

9 (iii) by striking subsection (c);

10 (iv) by redesignating subsections (d)  
 11 and (e) as subsections (c) and (d), respec-  
 12 tively; and

13 (v) by striking subsection (f).

14 (B) CLERICAL AMENDMENT.—The table of  
 15 contents for the National Nuclear Security Ad-  
 16 ministration Act is amended by striking the  
 17 item relating to section 3241A and inserting  
 18 the following new item:

“Sec. 3241A. Annual report on personnel levels of the Office of the Adminis-  
 trator.”.

19 (9) COMPLIANCE WITH FEDERAL ACQUISITION  
 20 REGULATION.—Section 3262 of the National Nu-  
 21 clear Security Administration Act (50 U.S.C. 2462)  
 22 is amended—

23 (A) by striking “The Administrator” and  
 24 inserting the following:

1 “(a) IN GENERAL.—The Administrator”;

2 (B) by inserting “specific to the Adminis-  
3 tration” after “procedures”; and

4 (C) by adding at the end the following new  
5 subsection:

6 “(b) REQUIREMENT FOR PROCEDURES.—The proce-  
7 dures established under subsection (a) shall be separate  
8 from procedures applied to elements of the Department  
9 of Energy other than the Administration.”.

10 (10) DEFINITIONS.—Section 3281(2)(A) of the  
11 National Nuclear Security Administration Act (50  
12 U.S.C. 2471(2)(A)) is amended by striking “Plant”  
13 and inserting “National Security Campus”.

14 (c) AMENDMENTS TO ATOMIC ENERGY DEFENSE  
15 ACT.—

16 (1) DEFINITIONS.—Section 4002(9)(A) of the  
17 Atomic Energy Defense Act (50 U.S.C. 2501(9)(A))  
18 is amended striking “Plant” and inserting “National  
19 Security Campus”.

20 (2) STOCKPILE STEWARDSHIP PROGRAM.—Sec-  
21 tion 4201(a) of the Atomic Energy Defense Act (50  
22 U.S.C. 2521(a)) is amended by striking “The Sec-  
23 retary, acting through the Administrator,” and in-  
24 serting “The Administrator”.



1           (3) STOCKPILE STEWARDSHIP CRITERIA.—Sec-  
2           tion 4202 of the Atomic Energy Defense Act (50  
3           U.S.C. 2522) is amended—

4                   (A) in subsection (a)—

5                           (i) by striking “Secretary of Energy”  
6                           and inserting “Administrator”; and

7                           (ii) by striking “Department of En-  
8                           ergy” and inserting “Administration”; and

9                   (B) in subsection (b)—

10                           (i) in the subsection heading, by strik-  
11                           ing “SECRETARY” and inserting “DEPART-  
12                           MENT”;

13                           (ii) by striking “Secretary of Energy”  
14                           and inserting “Administrator”; and

15                           (iii) by striking “Secretary of De-  
16                           fense” and inserting “Chairman of the Nu-  
17                           clear Weapons Council”.

18           (4) STOCKPILE STEWARDSHIP, MANAGEMENT,  
19           AND RESPONSIVENESS PLAN.—Section 4203 of the  
20           Atomic Energy Defense Act (50 U.S.C. 2523) is  
21           amended—

22                   (A) in subsection (d)(4)(A)(ii), by striking  
23                   “quadrennial defense review if such strategy  
24                   has not been submitted as of the date of the

1 plan” and inserting “national defense strat-  
2 egy”;

3 (B) in subsection (e)(1)(A)(i), by striking  
4 “or the most recent quadrennial defense review,  
5 as applicable under subsection (d)(4)(A), and  
6 the” and inserting “, the national defense strat-  
7 egy, and the most recent”; and

8 (C) in subsection (f)—

9 (i) by striking paragraph (4);

10 (ii) by redesignating paragraph (3) as  
11 paragraph (4); and

12 (iii) by inserting after paragraph (2)  
13 the following new paragraph (3):

14 “(3) The term ‘national defense strategy’  
15 means the review of the defense programs and poli-  
16 cies of the United States that is carried out every  
17 four years under section 113(g) of title 10, United  
18 States Code.”.

19 (5) STOCKPILE MANAGEMENT PROGRAM.—Sec-  
20 tion 4204 of the Atomic Energy Defense Act (50  
21 U.S.C. 2524) is amended—

22 (A) in subsection (a), in the matter pre-  
23 ceding paragraph (1), by striking “Secretary of  
24 Energy, acting through the Administrator and  
25 in consultation with the Secretary of Defense”

1 and inserting “Administrator, in consultation  
2 with the Nuclear Weapons Council”; and

3 (B) in subsection (b), in the matter pre-  
4 ceeding paragraph (1), by striking “Secretary of  
5 Energy” and inserting “Administrator”.

6 (6) NUCLEAR TEST BAN READINESS PRO-  
7 GRAM.—Section 4207 of the Atomic Energy Defense  
8 Act (50 U.S.C. 2527) is amended, in subsections (a)  
9 and (c), by striking “Secretary of Energy” and in-  
10 sserting “Administrator”.

11 (7) REQUIREMENTS FOR SPECIFIC REQUEST  
12 FOR NEW OR MODIFIED NUCLEAR WEAPONS.—Sec-  
13 tion 4209 of the Atomic Energy Defense Act (50  
14 U.S.C. 2529) is amended—

15 (A) in subsection (a)(1)—

16 (i) by striking “Secretary of Energy”  
17 and inserting “Administrator”;

18 (ii) by striking “Secretary” and in-  
19 sserting “Administrator”; and

20 (iii) by striking “in the budget” and  
21 all that follows and inserting “in the budg-  
22 et justification materials submitted to Con-  
23 gress in support of the Department of En-  
24 ergy budget for that fiscal year (as sub-  
25 mitted with the budget of the President

1 under section 1105(a) of title 31, United  
2 States Code.”;

3 (B) in subsection (b), by striking “The  
4 Secretary shall include in a request for funds  
5 under subsection (a)” and inserting “A request  
6 for funds under subsection (a) shall include”;  
7 and

8 (C) in subsection (c), by striking “Sec-  
9 retary” and inserting “Secretary of Energy”.

10 (8) MANUFACTURING INFRASTRUCTURE FOR  
11 NUCLEAR WEAPONS STOCKPILE.—Section 4212 of  
12 the Atomic Energy Defense Act (50 U.S.C. 2532) is  
13 amended—

14 (A) in subsection (a)(1), in the matter pre-  
15 ceding subparagraph (A)—

16 (i) by striking “Secretary of Energy”  
17 and inserting “Administrator”; and

18 (ii) by inserting “most recent” before  
19 “Nuclear Posture Review”; and

20 (B) in subsection (b)—

21 (i) in paragraph (2), by striking  
22 “Plant” and inserting “National Security  
23 Complex”; and

1 (ii) in paragraph (4), by striking  
2 “Plant” and inserting “National Security  
3 Campus”.

4 (9) REPORTS ON LIFE EXTENSION PRO-  
5 GRAMS.—

6 (A) IN GENERAL.—Section 4216 of the  
7 Atomic Energy Defense Act (50 U.S.C. 2536)  
8 is amended—

9 (i) in the section heading, by striking  
10 “**LIFETIME**” and inserting “**LIFE**”; and

11 (ii) by striking “lifetime” each place it  
12 appears and inserting “life”.

13 (B) CLERICAL AMENDMENT.—The table of  
14 contents for the Atomic Energy Defense Act is  
15 amended by striking the item relating to section  
16 4216 and inserting the following new item:

“Sec. 4216. Reports on life extension programs.”.

17 (10) SELECTED ACQUISITION REPORTS.—Sec-  
18 tion 4217 of the Atomic Energy Defense Act (50  
19 U.S.C. 2537) is amended—

20 (A) in subsection (a)(1), by striking “the  
21 Secretary of Energy, acting through the Admin-  
22 istrator,” and inserting “the Administrator”;  
23 and

24 (B) in subsection (b)—

1 (i) in paragraph (1), in the matter  
2 preceding subparagraph (A), by striking  
3 “Secretary of Energy, acting through the  
4 Administrator,” and inserting “Adminis-  
5 trator”; and

6 (ii) in paragraph (2)(B), by striking  
7 “the Secretary or”.

8 (11) ADVICE ON SAFETY, SECURITY, AND RELI-  
9 ABILITY OF NUCLEAR WEAPONS STOCKPILE.—Sec-  
10 tion 4218 of the Atomic Energy Defense Act (50  
11 U.S.C. 2538) is amended—

12 (A) in subsection (d), by striking “or the  
13 Commander of the United States Strategic  
14 Command”; and

15 (B) in subsection (e)—

16 (i) by striking “, a member of the Nu-  
17 clear Weapons Council, or the Commander  
18 of the United States Strategic Command”  
19 and inserting “or a member of the Nuclear  
20 Weapons Council”; and

21 (ii) by striking “member, or Com-  
22 mander” and inserting “or member”.

23 (12) STOCKPILE RESPONSIVENESS PLAN.—Sec-  
24 tion 4220(b) of the Atomic Energy Defense Act (50  
25 U.S.C. 2538b(b)) is amended—

1 (A) by striking “Secretary of Energy, act-  
2 ing through the Administrator and” and insert-  
3 ing “Administrator,”; and

4 (B) by striking “Secretary of Defense”  
5 and inserting “Nuclear Weapons Council”.

6 (13) TRITIUM PRODUCTION PROGRAM.—Section  
7 4231 of the Atomic Energy Defense Act (50 U.S.C.  
8 2541) is amended—

9 (A) in subsection (a), by striking “Sec-  
10 retary of Energy” and inserting “Adminis-  
11 trator”; and

12 (B) in subsections (b) and (c), by striking  
13 “Secretary” and inserting “Administrator”.

14 (14) MODERNIZATION AND CONSOLIDATION OF  
15 TRITIUM RECYCLING FACILITIES.—Section 4234 of  
16 the Atomic Energy Defense Act (50 U.S.C. 2544) is  
17 amended, in the matter preceding paragraph (1), by  
18 striking “Secretary of Energy” and inserting “Ad-  
19 ministrator”.

20 (15) PROCEDURES FOR MEETING TRITIUM PRO-  
21 Duction REQUIREMENTS.—Section 4235 of the  
22 Atomic Energy Defense Act (50 U.S.C. 2545) is  
23 amended—

1 (A) in subsection (a), by striking “Sec-  
2 retary of Energy” and inserting “Adminis-  
3 trator”;

4 (B) in subsection (b), by striking “Sec-  
5 retary” and inserting “Administrator”; and

6 (C) by striking subsection (c).

7 (16) CERTIFICATION OF STATUS OF SECURITY  
8 OF FACILITIES.—Section 4506 of the Atomic Energy  
9 Defense Act (50 U.S.C. 2657) is amended—

10 (A) in subsection (a)—

11 (i) in paragraph (1)—

12 (I) in the matter preceding sub-  
13 paragraph (A)—

14 (aa) by striking “September  
15 30” and inserting “December  
16 31”; and

17 (bb) by striking “Secretary  
18 of Energy” and inserting “con-  
19 gressional defense committees”;  
20 and

21 (II) in subparagraph (B), by  
22 striking “and the Department of En-  
23 ergy”;

24 (ii) in paragraph (2), by striking “to  
25 the Secretary”; and



1 (iii) by striking paragraph (3); and

2 (B) in subsection (b)(1), in the matter pre-  
3 ceding subparagraph (A), by striking “Decem-  
4 ber 1 of each even-numbered year, the Sec-  
5 retary” and inserting “December 31 of each  
6 even-numbered year, the Secretary of Energy”.

7 (17) CERTIFICATES OF COMMENDATION FOR  
8 EXEMPLARY SERVICE.—

9 (A) IN GENERAL.—Section 4605 of the  
10 Atomic Energy Defense Act (50 U.S.C. 2705)  
11 is amended—

12 (i) in the section heading, by striking  
13 “**DEPARTMENT OF ENERGY**” and insert-  
14 ing “**ADMINISTRATION**”;

15 (ii) in subsection (a)—

16 (I) by striking “Department of  
17 Energy” and inserting “Administra-  
18 tion”;

19 (II) by striking “a Department”  
20 and inserting “an Administration”;  
21 and

22 (III) by striking “the Depart-  
23 ment” each place it appears and in-  
24 serting “the Administration”; and

25 (iii) in subsection (c)—

1 (I) in the subsection heading, by  
 2 striking “DEPARTMENT OF ENERGY”  
 3 and inserting “ADMINISTRATION”;  
 4 and

5 (II) by striking “Department of  
 6 Energy” each place it appears and in-  
 7 serting “Administration”.

8 (B) CLERICAL AMENDMENT.—The table of  
 9 contents for the Atomic Energy Defense Act is  
 10 amended by striking the item relating to section  
 11 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.”.

12 (18) EXECUTIVE MANAGEMENT TRAINING.—  
 13 Section 4621 of the Atomic Energy Defense Act (50  
 14 U.S.C. 2721) is amended—

15 (A) in subsection (a)—

16 (i) by inserting “and the Adminis-  
 17 trator” after “Secretary of Energy”; and

18 (ii) by inserting “and the Administra-  
 19 tion” after “Department of Energy”; and

20 (B) in subsection (b)(1), by inserting “and  
 21 Administration” after “Department of Energy”.

22 (19) STOCKPILE STEWARDSHIP RECRUITMENT  
 23 AND TRAINING PROGRAM.—Section 4622 of the

1 Atomic Energy Defense Act (50 U.S.C. 2722) is  
2 amended—

3 (A) in subsection (a), by striking “Sec-  
4 retary of Energy” and inserting “Adminis-  
5 trator”; and

6 (B) in subsection (c), by striking “Sec-  
7 retary” and inserting “Administrator”.

8 (20) FELLOWSHIP PROGRAM.—Section 4623 of  
9 the Atomic Energy Defense Act (50 U.S.C. 2723) is  
10 amended—

11 (A) in subsection (a)—

12 (i) by striking “Secretary of Energy”  
13 and inserting “Administrator”; and

14 (ii) by striking “Secretary” and in-  
15 serting “Administrator”;

16 (B) in subsection (b)(1), by striking “De-  
17 partment of Energy” and inserting “Adminis-  
18 tration”;

19 (C) in subsections (c) and (d), by striking  
20 “Secretary” and inserting “Administrator”;

21 (D) in subsection (e), by striking “Sec-  
22 retary” and all that follows through “Defense  
23 Programs,” and inserting “Administrator  
24 shall”; and

25 (E) in subsection (f)—

1 (i) in paragraph (1), by striking “Sec-  
2 retary” and inserting “Administrator”;  
3 and

4 (ii) in paragraph (2), by striking  
5 “Secretary of Energy” and inserting “Ad-  
6 ministrator”.

7 (21) TRANSFER OF WEAPONS ACTIVITIES  
8 FUNDS.—Section 4711 of the Atomic Energy De-  
9 fense Act (50 U.S.C. 2751) is amended—

10 (A) in subsection (a)—

11 (i) by striking “Secretary of Energy”  
12 and inserting “Administrator”; and

13 (ii) by striking “Department of En-  
14 ergy” and inserting “Administration”;

15 (B) in subsection (d), by striking “Sec-  
16 retary, acting through the Administrator,” and  
17 inserting “Administrator”; and

18 (C) in subsection (e)(1)—

19 (i) by striking “Department of En-  
20 ergy” and inserting “Administration”; and

21 (ii) by striking “Department” and in-  
22 serting “Administration”.

23 (22) NOTIFICATION OF COST OVERRUNS.—Sec-  
24 tion 4713(c)(2)(B) of the Atomic Energy Defense  
25 Act (50 U.S.C. 2753(c)(2)(B)) is amended by insert-

1 ing “or the Administration” after “Department of  
2 Energy”.

3 (23) LIFE-CYCLE COST ESTIMATES.—Section  
4 4714(a) of the Atomic Energy Defense Act (50  
5 U.S.C. 2754(a)) is amended—

6 (A) by striking “413.3” and inserting  
7 “413.3B”; and

8 (B) by inserting “, or a successor order,”  
9 after “assets”).

10 (24) UNFUNDED PRIORITIES.—

11 (A) IN GENERAL.—Section 4716 of the  
12 Atomic Energy Defense Act (50 U.S.C. 2756)  
13 is amended in the section heading by striking  
14 “**NATIONAL NUCLEAR SECURITY ADMINIS-**  
15 **TRATION**” and inserting “**ADMINISTRA-**  
16 **TION**”.

17 (B) CLERICAL AMENDMENT.—The table of  
18 contents for the Atomic Energy Defense Act is  
19 amended by striking the item relating to section  
20 4716 and inserting the following new item:

“Sec. 4716. Unfunded priorities of the Administration.”.

21 (25) REVIEWS OF CAPITAL ASSETS ACQUISI-  
22 TION PROJECTS.—Section 4733(d)(3)(B) of the  
23 Atomic Energy Defense Act (50 U.S.C.  
24 2773(d)(3)(B)) is amended by striking “413.3” and  
25 inserting “413.3B”.

1           (26) LABORATORY-DIRECTED RESEARCH AND  
2           DEVELOPMENT PROGRAMS.—Section 4811 of the  
3           Atomic Energy Defense Act (50 U.S.C. 2791) is  
4           amended—

5                   (A) in subsection (a), by inserting “or the  
6           Administration” after “Department of Energy”;

7                   (B) in subsection (b)—

8                           (i) by striking “The Secretary” and  
9                           inserting “(1) Except as provided by para-  
10                          graph (2), the Secretary”;

11                           (ii) by striking “such laboratories”  
12                           and inserting “government-owned, con-  
13                           tractor-operated laboratories funded out of  
14                           funds available to the Department of En-  
15                           ergy”; and

16                           (iii) by adding at the end the fol-  
17                           lowing new paragraph:

18           “(2) The Administrator shall prescribe regulations  
19           for the conduct of laboratory-directed research and devel-  
20           opment at government-owned, contractor-operated labora-  
21           tories funded out of funds available to the Administra-  
22           tion.”; and

23                   (C) in subsection (c)—

24                           (i) by inserting “or the Administra-  
25                           tion” after “Department of Energy”; and

1 (ii) by inserting “or the Adminis-  
2 trator, as applicable,” after “Secretary”.

3 (27) REPORT ON USE OF FUNDS FOR RE-  
4 SEARCH AND DEVELOPMENT.—Section 4812A of the  
5 Atomic Energy Defense Act (50 U.S.C. 2793) is  
6 amended—

7 (A) in subsection (a)—

8 (i) in the subsection heading, by strik-  
9 ing “REQUIRED” and inserting “OF SEC-  
10 RETARY OF ENERGY”; and

11 (ii) in the second sentence, by striking  
12 “national security mission of the Depart-  
13 ment of Energy” and inserting “defense  
14 environmental cleanup and other defense  
15 missions of the Department of Energy  
16 (other than the national security mission of  
17 the Administration)”;

18 (B) by redesignating subsections (b) and  
19 (c) as subsections (c) and (d), respectively; and

20 (C) by inserting after subsection (a) the  
21 following new subsection (b):

22 “(b) REPORT OF ADMINISTRATOR.—The Adminis-  
23 trator shall submit to the congressional defense commit-  
24 tees, with the report of the Secretary required by sub-  
25 section (a), a report on the funds expended during the pre-

1 ceding fiscal year on activities under the laboratory-di-  
2 rected research and development program of the Adminis-  
3 tration. The purpose of the report is to permit an assess-  
4 ment of the extent to which such activities support the  
5 national security mission of the Administration.”.

6 **SEC. 3112. NATIONAL NUCLEAR SECURITY ADMINISTRA-**  
7 **TION PERSONNEL SYSTEM.**

8 (a) IN GENERAL.—Subtitle C of the National Nu-  
9 clear Security Administration Act (50 U.S.C. 2441 et  
10 seq.) is amended by adding at the end the following new  
11 section:

12 **“SEC. 3248. ALTERNATIVE PERSONNEL SYSTEM.**

13 “(a) IN GENERAL.—The Administrator may adapt  
14 the pay banding and performance-based pay adjustment  
15 demonstration project carried out by the Administration  
16 under the authority provided by section 4703 of title 5,  
17 United States Code, into a permanent alternative per-  
18 sonnel system for the Administration (to be known as the  
19 ‘National Nuclear Security Administration Personnel Sys-  
20 tem’) and implement that system with respect to employ-  
21 ees of the Administration.

22 “(b) MODIFICATIONS.—In adapting the demonstra-  
23 tion project described in subsection (a) into a permanent  
24 alternative personnel system, the Administrator—



1           “(1) may, subject to paragraph (2), revise the  
2 requirements and limitations of the demonstration  
3 project to the extent necessary; and

4           “(2) shall—

5           “(A) ensure that the permanent alternative  
6 personnel system is carried out in a manner  
7 consistent with the final plan for the dem-  
8 onstration project published in the Federal Reg-  
9 ister on December 21, 2007 (72 Fed. Reg.  
10 72776);

11           “(B) ensure that significant changes in the  
12 system not take effect until revisions to the  
13 plan for the demonstration project are approved  
14 by the Office of Personnel Management and  
15 published in the Federal Register;

16           “(C) ensure that procedural modifications  
17 or clarifications to the final plan for the dem-  
18 onstration project be made through local notifi-  
19 cation processes;

20           “(D) authorize, and establish incentives  
21 for, employees of the Administration to have ro-  
22 tational assignments among different programs  
23 of the Administration, the headquarters and  
24 field offices of the Administration, and the

1 management and operating contractors of the  
2 Administration; and

3 “(E) establish requirements for employees  
4 of the Administration who are in the permanent  
5 alternative personnel system described in sub-  
6 section (a) to be promoted to senior-level posi-  
7 tions in the Administration, including require-  
8 ments with respect to—

9 “(i) professional training and con-  
10 tinuing education; and

11 “(ii) a certain number and types of  
12 rotational assignments under subpara-  
13 graph (D), as determined by the Adminis-  
14 trator.

15 “(c) APPLICATION TO NAVAL NUCLEAR PROPULSION  
16 PROGRAM.—The Director of the Naval Nuclear Propul-  
17 sion Program established pursuant to section 4101 of the  
18 Atomic Energy Defense Act (50 U.S.C. 2511) and section  
19 3216 of this Act may, with the concurrence of the Sec-  
20 retary of the Navy, apply the alternative personnel system  
21 under subsection (a) to—

22 “(1) all employees of the Naval Nuclear Propul-  
23 sion Program in the competitive service (as defined  
24 in section 2102 of title 5, United States Code); and

1           “(2) all employees of the Department of Navy  
2           who are assigned to the Naval Nuclear Propulsion  
3           Program and are in the excepted service (as defined  
4           in section 2103 of title 5, United States Code)  
5           (other than such employees in statutory excepted  
6           service systems).”.

7           (b) BRIEFING.—

8           (1) IN GENERAL.—Not later than 180 days  
9           after the date of the enactment of this Act, the Ad-  
10          ministrator for Nuclear Security shall provide a  
11          briefing to the appropriate congressional committees  
12          on the implementation of section 3248 of the Na-  
13          tional Nuclear Security Administration Act, as  
14          added by subsection (a).

15          (2) APPROPRIATE CONGRESSIONAL COMMIT-  
16          TEES DEFINED.—In this subsection, the term “ap-  
17          propriate congressional committees” means—

18                 (A) the congressional defense committees;

19                 (B) the Committee on Energy and Natural  
20                 Resources of the Senate and the Committee on  
21                 Energy and Commerce of the House of Rep-  
22                 resentatives; and

23                 (C) the Committee on Homeland Security  
24                 and Governmental Affairs of the Senate and the

1           Committee on Oversight and Government Re-  
2           form of the House of Representatives.

3           (c) CONFORMING AMENDMENTS.—Section 3116 of  
4 the National Defense Authorization Act for Fiscal Year  
5 2018 (Public Law 115–91) is amended—

6           (1) by striking subsection (a);

7           (2) by redesignating subsections (b), (c), and  
8           (d) as subsections (a), (b), and (c), respectively; and

9           (3) in paragraph (1) of subsection (c), as so re-  
10          designated—

11           (A) in subparagraph (A), by striking “im-  
12           plementation of” and all that follows through  
13           “subsection (b)” and inserting “implementation  
14           of subsection (a)”; and

15           (B) in subparagraph (B), by striking “sub-  
16           section (c)” and inserting “subsection (b)”.

17          (d) CLERICAL AMENDMENT.—The table of contents  
18 for the National Nuclear Security Administration Act is  
19 amended by inserting after the item relating to section  
20 3247 the following new item:

“Sec. 3248. Alternative personnel system.”.

21 **SEC. 3113. AMENDMENTS TO THE ATOMIC ENERGY ACT OF**  
22 **1954.**

23          (a) CONSULTATIONS.—Section 57 b.(2) of the Atomic  
24 Energy Act of 1954 (42 U.S.C. 2077(b)(2)) is amended  
25 by inserting after “the Department of Defense.” the fol-

1 lowing: “The Department of State, the Nuclear Regu-  
2 latory Commission, the Department of Commerce, and the  
3 Department of Defense shall submit to the Secretary of  
4 Energy their comments on the determination of the Sec-  
5 retary under the previous sentence and any information  
6 and analysis needed to support their positions.”.

7 (b) DELEGATION OF FUNCTIONS.—Section 161 of  
8 the Atomic Energy Act of 1954 (42 U.S.C. 2201) is  
9 amended by striking subsection n. and inserting the fol-  
10 lowing new subsection n.:

11 “n. delegate to the General Manager or other officers  
12 of the Commission—

13 “(1) the functions assigned to the Commission  
14 under section 57 b. on a case-by-case basis con-  
15 sistent with the national security interests of the  
16 United States; and

17 “(2) any of the other functions assigned to the  
18 Commission under this Act except those specified in  
19 section 51, 61, 108, 123, 145 b. (with respect to the  
20 determination of those persons to whom the Com-  
21 mission may reveal Restricted Data in the national  
22 interest), 145 f., or 161 a.;”.

23 (c) CIVIL PENALTIES.—Section 234 a. of the Atomic  
24 Energy Act (42 U.S.C. 2282(a)) is amended—

25 (1) by striking “57,”; and

1           (2) by striking “or (2)” and inserting “(2) vio-  
2           lates any provision of section 57, or (3)”.

3           (d) REPORT.—Section 3136(e)(2) of the National  
4 Defense Authorization Act for Fiscal Year 2016 (42  
5 U.S.C. 2077a(e)(2)) is amended—

6           (1) in subparagraph (C), by striking “; and”  
7           and inserting a semicolon;

8           (2) by redesignating subparagraph (D) as sub-  
9           paragraph (E);

10          (3) by inserting after subparagraph (C) the fol-  
11          lowing new subparagraph (D):

12                 “(D) any delegation of the functions under  
13                 such section 57 b. made under section 161  
14                 n.(1) of that Act, including to whom such func-  
15                 tions were delegated;”;

16          (4) in subparagraph (E), as redesignated by  
17          paragraph (2), by striking the period at the end and  
18          inserting “; and”; and

19          (5) by adding at the end the following new sub-  
20          paragraph:

21                 “(F)(i) an explanation and justification of  
22                 any determination under paragraph (2) of such  
23                 section 57 b. that an authorization to transfer  
24                 United States civil nuclear technology to a for-  
25                 eign country is not in the interest of the United

1 States, and any conditions placed on such an  
2 authorization, including any such determination  
3 or conditions resulting from coordination with  
4 the Department of State, the Nuclear Regu-  
5 latory Commission, the Department of Com-  
6 merce, and the Department of Defense; and

7 “(ii) an explanation and justification of  
8 any extensions of the deadlines established  
9 under the procedures required by section 57  
10 b.”.

11 (e) SENSE OF CONGRESS.—It is the sense of Con-  
12 gress that the Secretary of Energy has the authority to  
13 impose civil penalties for violations of section 57 b.(2) of  
14 the Atomic Energy Act of 1954 (42 U.S.C. 2077(b)(2)),  
15 any rule, regulation, or order issued under that section,  
16 or any term, condition, or limitation of any license or cer-  
17 tification issued under that section.

18 (f) REGULATIONS.—Not later than one year after the  
19 date of the enactment of this Act, the Secretary of Energy  
20 shall—

21 (1) revise the regulations of the Department of  
22 Energy to reflect the authority of the Secretary to  
23 impose civil penalties for the violations described in  
24 subsection (e); or

25 (2) submit to Congress a report describing—

1 (A) why the Secretary cannot make such  
2 revisions; and

3 (B) what additional amendments to law  
4 would be required to enable the Secretary to do  
5 so.

6 **SEC. 3114. EXTENSION OF ENHANCED PROCUREMENT AU-**  
7 **THORITY TO MANAGE SUPPLY CHAIN RISK.**

8 Section 4806(g)(3) of the Atomic Energy Defense  
9 Act (50 U.S.C. 2786(g)(3)) is amended by striking “four”  
10 and inserting “10”.

11 **SEC. 3115. PILOT PROGRAM ON CONDUCT BY DEPARTMENT**  
12 **OF ENERGY OF BACKGROUND REVIEWS FOR**  
13 **ACCESS BY CERTAIN INDIVIDUALS TO NA-**  
14 **TIONAL SECURITY LABORATORIES.**

15 (a) IN GENERAL.—The Secretary of Energy shall es-  
16 tablish a pilot program to assess the feasibility and advis-  
17 ability of conducting background reviews required by sec-  
18 tion 4502(a) of the Atomic Energy Defense Act (50  
19 U.S.C. 2652(a)) within the Department of Energy.

20 (b) REQUIREMENTS.—Under the pilot program es-  
21 tablished under subsection (a), the Secretary may admit  
22 an individual described in section 4502(a) of the Atomic  
23 Energy Defense Act (50 U.S.C. 2652(a)) to a facility of  
24 a national security laboratory described in that section if,



1 in addition to the conduct of a background review under  
2 subsection (a) with respect to that individual—

3           (1) the Secretary determines that the admission  
4           of that individual to that facility is in the national  
5           interest and will further science, technology, and en-  
6           gineering capabilities in support of the mission of  
7           the Department of Energy; and

8           (2) a security plan is developed and imple-  
9           mented to mitigate the risks associated with the ad-  
10          mission of that individual to that facility.

11          (c) ROLES OF SECRETARY AND DIRECTOR OF NA-  
12          TIONAL INTELLIGENCE AND DIRECTOR OF FEDERAL BU-  
13          REAU OF INVESTIGATION.—

14           (1) ROLE OF SECRETARY.—Under the pilot  
15          program under subsection (a), the Secretary shall  
16          conduct background reviews for all individuals de-  
17          scribed in section 4502(a) of the Atomic Energy De-  
18          fense Act (50 U.S.C. 2652(a)) seeking admission to  
19          facilities of national security laboratories described  
20          in that section. Such reviews by the Secretary shall  
21          be conducted independent of and in addition to  
22          background reviews conducted by the Director of  
23          National Intelligence and the Director of the Federal  
24          Bureau of Investigation under that section.

1           (2) ROLES OF DIRECTOR OF NATIONAL INTEL-  
2           LIGENCE AND DIRECTOR OF FEDERAL BUREAU OF  
3           INVESTIGATION.—Notwithstanding paragraph (1),  
4           during the period during which the pilot program es-  
5           tablished under subsection (a) is being carried out,  
6           the Director of National Intelligence and the Direc-  
7           tor of the Federal Bureau of Investigation shall re-  
8           tain primary responsibility for the conduct of all  
9           background reviews required by section 4502(a) of  
10          the Atomic Energy Defense Act (50 U.S.C.  
11          2652(a)).

12          (d) TERMINATION.—The pilot program established  
13          under subsection (a) shall terminate on the date that is  
14          two years after the date of the enactment of this Act.

15          (e) REPORT REQUIRED.—Not later than 90 days  
16          after the date on which the pilot program established  
17          under subsection (a) terminates under subsection (d), the  
18          Secretary of Energy, in consultation with the Director of  
19          National Intelligence and the Director of the Federal Bu-  
20          reau of Investigation, shall submit to the appropriate con-  
21          gressional committees a report on the conduct of back-  
22          ground reviews under the pilot program that includes—  
23                  (1) a comparison of the effectiveness of and  
24                  timelines required for background reviews conducted  
25                  by the Secretary under the pilot program and back-

1 ground reviews conducted by the Director of Na-  
2 tional Intelligence and the Director of the Federal  
3 Bureau of Investigation under section 4502(a) of the  
4 Atomic Energy Defense Act (50 U.S.C. 2652(a));  
5 and

6 (2) the number of such reviews conducted for  
7 individuals who are citizens or agents of each coun-  
8 try on the sensitive countries list referred to in that  
9 section.

10 (f) DEFINITIONS.—In this section:

11 (1) APPROPRIATE CONGRESSIONAL COMMIT-  
12 TEES.—The term “appropriate congressional com-  
13 mittees” means—

14 (A) the Committee on Armed Services and  
15 the Select Committee on Intelligence of the  
16 Senate; and

17 (B) the Committee on Armed Services and  
18 the Permanent Select Committee on Intelligence  
19 of the House of Representatives.

20 (2) NATIONAL SECURITY LABORATORY.—The  
21 term “national security laboratory” has the meaning  
22 given that term in section 4002 of the Atomic En-  
23 ergy Defense Act (50 U.S.C. 2501).

1 **SEC. 3116. EXTENSION OF AUTHORITY FOR ACCEPTANCE**  
2 **OF CONTRIBUTIONS FOR ACCELERATION OF**  
3 **REMOVAL OR SECURITY OF FISSILE MATE-**  
4 **RIALS, RADIOLOGICAL MATERIALS, AND RE-**  
5 **LATED EQUIPMENT AT VULNERABLE SITES**  
6 **WORLDWIDE.**

7 Section 3132(f)(7) of the Ronald W. Reagan Na-  
8 tional Defense Authorization Act for Fiscal Year 2005 (50  
9 U.S.C. 2569(f)(7)) is amended by striking “December 31,  
10 2018” and inserting “December 31, 2023”.

11 **SEC. 3117. MODIFICATION OF LIMITATION ON DEVELOP-**  
12 **MENT OF LOW-YIELD NUCLEAR WEAPONS.**

13 (a) FINDINGS.—Congress makes the following find-  
14 ings:

15 (1) The global posture of strategic nuclear  
16 forces has changed dramatically during the 10 years  
17 preceding the date of the enactment of this Act.

18 (2) The Government of the Russian Federa-  
19 tion—

20 (A) is violating the Treaty between the  
21 United States of America and the Union of So-  
22 viet Socialist Republics on the Elimination of  
23 their Intermediate-Range and Shorter-Range  
24 Missiles, signed at Washington December 8,  
25 1987, and entered into force June 1, 1988  
26 (commonly known as the “INF Treaty”);

1 (B) is expanding its nuclear delivery sys-  
2 tems beyond the limitations provided for under  
3 the Treaty between the United States of Amer-  
4 ica and the Russian Federation on Measures  
5 for the Further Reduction and Limitation of  
6 Strategic Offensive Arms, signed on April 8,  
7 2010, and entered into force on February 5,  
8 2011 (commonly known as the “New START  
9 Treaty”); and

10 (C) has considerable numerical advantages  
11 over the United States in tactical nuclear weap-  
12 ons.

13 (3) Congress concurs with the findings of the  
14 2018 Nuclear Posture Review.

15 (4) United States nuclear forces must adjust to  
16 new strategic realities.

17 (b) MODIFICATION OF LIMITATION.—Section  
18 3116(e) of the National Defense Authorization Act for  
19 Fiscal Year 2004 (Public Law 108–136; 117 Stat. 1746;  
20 50 U.S.C. 2529 note) is amended by striking “specifically  
21 authorized by Congress” and inserting “the Secretary spe-  
22 cifically requests funding for the development of that  
23 weapon pursuant to section 4209(a) of the Atomic Energy  
24 Defense Act (50 U.S.C. 2529(a))”.

1 **SEC. 3118. PROHIBITION ON USE OF FUNDS FOR TERMI-**  
2 **NATING ACTIVITIES AT MOX FACILITY.**

3 (a) IN GENERAL.—None of the funds authorized to  
4 be appropriated or otherwise made available for the De-  
5 partment of Energy by this Act or any other Act for any  
6 fiscal year before fiscal year 2020 may be obligated or ex-  
7 pended—

8 (1) to terminate construction and project sup-  
9 port activities at the MOX facility; or

10 (2) to convert the MOX facility to be used for  
11 any purpose other than its original mission.

12 (b) DEFINITIONS.—In this section, the terms “MOX  
13 facility” and “project support activities” have the mean-  
14 ings given those terms in section 3121(c) of the National  
15 Defense Authorization Act for Fiscal Year 2018 (Public  
16 Law 115–91).

17 **Subtitle C—Plans and Reports**

18 **SEC. 3121. MODIFICATIONS TO COST-BENEFIT ANALYSES**  
19 **FOR COMPETITION OF MANAGEMENT AND**  
20 **OPERATING CONTRACTS.**

21 Section 3121 of the National Defense Authorization  
22 Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat.  
23 2175), as most recently amended by section 3135 of the  
24 National Defense Authorization Act for Fiscal Year 2016  
25 (Public Law 114–92; 129 Stat. 1207), is further amend-  
26 ed—

1           (1) by amending subsection (a) to read as fol-  
2       lows:

3       “(a) REPORTS REQUIRED.—If the Administrator for  
4 Nuclear Security awards a new contract to manage and  
5 operate a facility of the National Nuclear Security Admin-  
6 istration, the Administrator shall submit to the congres-  
7 sional defense committees a report described in subsection  
8 (b) with respect to the contract by not later than 30 days  
9 after the completion of the period required to transition  
10 to the contract.”;

11           (2) in subsection (b)(3), by inserting “, the  
12 costs of the transition to the contract from the pre-  
13 vious contract,” after “conducting the competition”;  
14 and

15           (3) in subsection (d)—

16           (A) by amending paragraph (2) to read as  
17 follows:

18       “(2) COMPREHENSIVE REVIEW.—

19           “(A) DETERMINATION.—Except as pro-  
20 vided in paragraph (3), the Comptroller General  
21 shall determine, in consultation with the con-  
22 gressional defense committees, whether to con-  
23 duct a comprehensive review of a report re-  
24 quired by subsection (a).

1           “(B) SUBMISSION.—The Comptroller Gen-  
2           eral shall submit a comprehensive review con-  
3           ducted under subparagraph (A) of a report re-  
4           quired by subsection (a) to the congressional  
5           defense committees not later than 3 years after  
6           that report is submitted to such committees.

7           “(C) ELEMENTS.—A comprehensive review  
8           conducted under subparagraph (A) of a report  
9           required by subsection (a) shall include an as-  
10          sessment, based on the most current informa-  
11          tion available, of the following:

12                   “(i) The actual cost savings achieved  
13                   compared to cost savings estimated under  
14                   subsection (b)(1), and any increased costs  
15                   incurred under the contract that were un-  
16                   expected or uncertain at the time the con-  
17                   tract was awarded.

18                   “(ii) Any disruptions or delays in mis-  
19                   sion activities or deliverables resulting  
20                   from the competition for the contract com-  
21                   pared to the disruptions and delays esti-  
22                   mated under subsection (b)(4).

23                   “(iii) Whether expected benefits of the  
24                   competition with respect to mission per-  
25                   formance or operations have been achieved.



1                   “(iv) Such other matters as the  
2                   Comptroller General considers appro-  
3                   priate.”; and

4                   (B) by striking paragraph (3).

5 **SEC. 3122. REVIEW OF DEFENSE ENVIRONMENTAL CLEAN-**  
6 **UP ACTIVITIES.**

7           (a) **IN GENERAL.**—The Secretary of Energy shall  
8 enter into an arrangement with the National Academies  
9 of Sciences, Engineering, and Medicine to conduct a re-  
10 view of the defense environmental cleanup activities of the  
11 Office of Environmental Management of the Department  
12 of Energy.

13           (b) **ELEMENTS.**—The review conducted under sub-  
14 section (a) shall include—

15                   (1) an assessment of—

16                           (A) project management practices with re-  
17                           spect to the activities described in subsection  
18                           (a);

19                           (B) the outcomes of such activities; and

20                           (C) the appropriateness of the level of en-  
21                           gagement and oversight of the Office of Envi-  
22                           ronmental Management with respect to such ac-  
23                           tivities; and

24                   (2) recommendations with respect to actions to  
25                   enhance the effectiveness of such activities.

1 **SEC. 3123. SURVEY OF WORKFORCE OF NATIONAL SECU-**  
2 **RITY LABORATORIES AND NUCLEAR WEAP-**  
3 **ONS PRODUCTION FACILITIES.**

4 (a) IN GENERAL.—Not later than 180 days after the  
5 date of the enactment of this Act, the Administrator for  
6 Nuclear Security shall submit to the congressional defense  
7 committees a report that includes—

8 (1) a detailed proposal for a survey of the work-  
9 force of the national security laboratories and nu-  
10 clear weapons production facilities that is modeled  
11 on the Federal Employee Viewpoint Survey of the  
12 Office of Personnel Management;

13 (2) the determination of the Administrator with  
14 respect to whether to implement the survey; and

15 (3) if the Administrator determines not to im-  
16 plement the survey, a description of the reasons for  
17 that determination.

18 (b) IMPLEMENTATION FACTORS.—The report re-  
19 quired by subsection (a) shall address factors associated  
20 with implementation of the survey described in that sub-  
21 section, including—

22 (1) the costs of designing the survey;

23 (2) the time required for and the costs of ad-  
24 ministering the survey and analyzing the data from  
25 the survey;

1           (3) the periodicity of administering the survey  
2           to ascertain trends; and

3           (4) any other matters the Administrator con-  
4           siders appropriate.

5           (c) DEFINITIONS.—In this section, the terms “na-  
6           tional security laboratory” and “nuclear weapons produc-  
7           tion facility” have the meanings given those terms in sec-  
8           tion 4002 of the Atomic Energy Defense Act (50 U.S.C.  
9           2501).

10 **SEC. 3124. ELIMINATION OF CERTAIN REPORTS.**

11           (a) REPORT OF OWNER’S AGENT ON HANFORD  
12           WASTE TREATMENT AND IMMOBILIZATION PLANT CON-  
13           TRACT.—Section 4446 of the Atomic Energy Defense Act  
14           (50 U.S.C. 2626) is amended—

15           (1) by striking subsection (d); and

16           (2) by redesignating subsections (e) and (f) as  
17           subsections (d) and (e), respectively.

18           (b) FUTURE-YEARS DEFENSE ENVIRONMENTAL  
19           MANAGEMENT PLAN.—

20           (1) IN GENERAL.—Section 4402A of the Atom-  
21           ic Energy Defense Act (50 U.S.C. 2582a) is re-  
22           pealed.

23           (2) CLERICAL AMENDMENT.—The table of con-  
24           tents for the Atomic Energy Defense Act is amended  
25           by striking the item relating to section 4402A.

1 (c) ANNUAL CERTIFICATION OF SHIPMENTS TO  
2 WASTE ISOLATION PILOT PLANT.—Section 3115 of the  
3 National Defense Authorization Act for Fiscal Year 2017  
4 (Public Law 114–328; 130 Stat. 2759) is repealed.

5 **SEC. 3125. IMPLEMENTATION OF NUCLEAR POSTURE RE-**  
6 **VIEW BY NATIONAL NUCLEAR SECURITY AD-**  
7 **MINISTRATION.**

8 (a) REPORT REQUIRED.—Not later than December  
9 1, 2018, the Administrator for Nuclear Security shall sub-  
10 mit to the congressional defense committees a report on  
11 the implementation of the 2018 Nuclear Posture Review  
12 by the National Nuclear Security Administration.

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

15 (1) A list of specific actions associated with im-  
16 plementation of the policies set forth in the 2018  
17 Nuclear Posture Review applicable to the National  
18 Nuclear Security Administration.

19 (2) For each such action—

20 (A) an identification of the office within  
21 the Administration with responsibility for the  
22 action; and

23 (B) key milestones for the action.

24 (3) A discussion of any challenges to success-  
25 fully implementing such actions.

1 (4) A description of the process established for  
2 monitoring the implementation of such actions.

3 (5) A description of policy decisions by the Ad-  
4 ministrator that are necessary to complete the imple-  
5 mentation of such actions.

6 **TITLE XXXII—DEFENSE NU-**  
7 **CLEAR FACILITIES SAFETY**  
8 **BOARD**

9 **SEC. 3201. AUTHORIZATION.**

10 There are authorized to be appropriated for fiscal  
11 year 2019, \$31,243,000 for the operation of the Defense  
12 Nuclear Facilities Safety Board under chapter 21 of the  
13 Atomic Energy Act of 1954 (42 U.S.C. 2286 et seq.).

14 **TITLE XXXV—MARITIME**  
15 **ADMINISTRATION**

16 **SEC. 3501. MARITIME ADMINISTRATION.**

17 Section 109 of title 49, United States Code, is  
18 amended to read as follows:

19 **“§ 109. Maritime Administration**

20 “(a) ORGANIZATION AND MISSION.—The Maritime  
21 Administration is an administration in the Department of  
22 Transportation. The mission of the Maritime Administra-  
23 tion is to foster, promote, and develop the merchant mari-  
24 time industry of the United States.

1       “(b) MARITIME ADMINISTRATOR.—The head of the  
2 Maritime Administration is the Maritime Administrator,  
3 who is appointed by the President by and with the advice  
4 and consent of the Senate. The Administrator shall report  
5 directly to the Secretary of Transportation and carry out  
6 the duties prescribed by the Secretary.

7       “(c) DEPUTY MARITIME ADMINISTRATOR.—The  
8 Maritime Administration shall have a Deputy Maritime  
9 Administrator, who is appointed in the competitive service  
10 by the Secretary, after consultation with the Adminis-  
11 trator. The Deputy Administrator shall carry out the du-  
12 ties prescribed by the Administrator. The Deputy Admin-  
13 istrator shall be Acting Administrator during the absence  
14 or disability of the Administrator and, unless the Sec-  
15 retary designates another individual, during a vacancy in  
16 the office of Administrator.

17       “(d) DUTIES AND POWERS VESTED IN SEC-  
18 RETARY.—All duties and powers of the Maritime Adminis-  
19 tration are vested in the Secretary.

20       “(e) REGIONAL OFFICES.—The Maritime Adminis-  
21 tration shall have regional offices for the Atlantic, Gulf,  
22 Great Lakes, and Pacific port ranges, and may have other  
23 regional offices as necessary. The Secretary shall appoint  
24 a qualified individual as Director of each regional office.  
25 The Secretary shall carry out appropriate activities and

1 programs of the Maritime Administration through the re-  
2 gional offices.

3 “(f) INTERAGENCY AND INDUSTRY RELATIONS.—

4 The Secretary shall establish and maintain liaison with  
5 other agencies, and with representative trade organiza-  
6 tions throughout the United States, concerned with the  
7 transportation of commodities by water in the export and  
8 import foreign commerce of the United States, for the pur-  
9 pose of securing preference to vessels of the United States  
10 for the transportation of those commodities.

11 “(g) DETAILING OFFICERS FROM ARMED FORCES.—

12 To assist the Secretary in carrying out duties and powers  
13 relating to the Maritime Administration, not more than  
14 five officers of the Armed Forces may be detailed to the  
15 Secretary at any one time, in addition to details author-  
16 ized by any other law. During the period of a detail, the  
17 Secretary shall pay the officer an amount that, when  
18 added to the officer’s pay and allowances as an officer in  
19 the Armed Forces, makes the officer’s total pay and allow-  
20 ances equal to the amount that would be paid to an indi-  
21 vidual performing work the Secretary considers to be of  
22 similar importance, difficulty, and responsibility as that  
23 performed by the officer during the detail.

24 “(h) CONTRACTS, COOPERATIVE AGREEMENTS, AND

25 AUDITS.—

1           “(1) CONTRACTS AND COOPERATIVE AGREE-  
2           MENTS.—In the same manner that a private cor-  
3           poration may make a contract within the scope of its  
4           authority under its charter, the Secretary may make  
5           contracts and cooperative agreements for the United  
6           States Government and disburse amounts to—

7                   “(A) carry out the Secretary’s duties and  
8                   powers under this section, subtitle V of title 46,  
9                   and all other Maritime Administration pro-  
10                  grams; and

11                   “(B) protect, preserve, and improve collat-  
12                  eral held by the Secretary to secure indebted-  
13                  ness.

14           “(2) AUDITS.—The financial transactions of  
15           the Secretary under paragraph (1) shall be audited  
16           by the Comptroller General. The Comptroller Gen-  
17           eral shall allow credit for an expenditure shown to  
18           be necessary because of the nature of the business  
19           activities authorized by this section or subtitle V of  
20           title 46. At least once a year, the Comptroller Gen-  
21           eral shall report to Congress any departure by the  
22           Secretary from this section or subtitle V of title 46.

23           “(i) GRANT ADMINISTRATIVE EXPENSES.—Except as  
24           otherwise provided by law, the administrative and related



1 expenses for the administration of any grant programs by  
2 the Maritime Administrator may not exceed 3 percent.

3 “(j) AUTHORIZATION OF APPROPRIATIONS.—

4 “(1) IN GENERAL.—Except as otherwise pro-  
5 vided in this subsection, there are authorized to be  
6 appropriated such amounts as may be necessary to  
7 carry out the duties and powers of the Secretary re-  
8 lating to the Maritime Administration.

9 “(2) LIMITATIONS.—Only those amounts spe-  
10 cifically authorized by law may be appropriated for  
11 the use of the Maritime Administration for—

12 “(A) acquisition, construction, or recon-  
13 struction of vessels;

14 “(B) construction-differential subsidies in-  
15 cident to the construction, reconstruction, or re-  
16 conditioning of vessels;

17 “(C) costs of national defense features;

18 “(D) payments of obligations incurred for  
19 operating-differential subsidies;

20 “(E) expenses necessary for research and  
21 development activities, including reimbursement  
22 of the Vessel Operations Revolving Fund for  
23 losses resulting from expenses of experimental  
24 vessel operations;

1           “(F) the Vessel Operations Revolving  
2 Fund;

3           “(G) National Defense Reserve Fleet ex-  
4 penses;

5           “(H) expenses necessary to carry out part  
6 B of subtitle V of title 46; and

7           “(I) other operations and training expenses  
8 related to the development of waterborne trans-  
9 portation systems, the use of waterborne trans-  
10 portation systems, and general administra-  
11 tion.”.

12 **SEC. 3502. PERMANENT AUTHORITY OF SECRETARY OF**  
13 **TRANSPORTATION TO ISSUE VESSEL WAR**  
14 **RISK INSURANCE.**

15       (a) IN GENERAL.—Section 53912 of title 46, United  
16 States Code, is repealed.

17       (b) CLERICAL AMENDMENT.—The table of sections  
18 at the beginning of chapter 539 of such title is amended  
19 by striking the item relating to section 53912.

20 **DIVISION D—FUNDING TABLES**

21 **SEC. 4001. AUTHORIZATION OF AMOUNTS IN FUNDING TA-**  
22 **BLES.**

23       (a) IN GENERAL.—Whenever a funding table in this  
24 division specifies a dollar amount authorized for a project,  
25 program, or activity, the obligation and expenditure of the

1 specified dollar amount for the project, program, or activ-  
2 ity is hereby authorized, subject to the availability of ap-  
3 propriations.

4 (b) MERIT-BASED DECISIONS.—A decision to com-  
5 mit, obligate, or expend funds with or to a specific entity  
6 on the basis of a dollar amount authorized pursuant to  
7 subsection (a) shall—

8 (1) be based on merit-based selection proce-  
9 dures in accordance with the requirements of sec-  
10 tions 2304(k) and 2374 of title 10, United States  
11 Code, or on competitive procedures; and

12 (2) comply with other applicable provisions of  
13 law.

14 (c) RELATIONSHIP TO TRANSFER AND PROGRAM-  
15 MING AUTHORITY.—An amount specified in the funding  
16 tables in this division may be transferred or repro-  
17 grammed under a transfer or reprogramming authority  
18 provided by another provision of this Act or by other law.  
19 The transfer or reprogramming of an amount specified in  
20 such funding tables shall not count against a ceiling on  
21 such transfers or reprogrammings under section 1001 or  
22 section 1522 of this Act or any other provision of law,  
23 unless such transfer or reprogramming would move funds  
24 between appropriation accounts.

1 (d) APPLICABILITY TO CLASSIFIED ANNEX.—This  
 2 section applies to any classified annex that accompanies  
 3 this Act.

4 (e) ORAL WRITTEN COMMUNICATIONS.—No oral or  
 5 written communication concerning any amount specified  
 6 in the funding tables in this division shall supersede the  
 7 requirements of this section.

## 8 TITLE XLI—PROCUREMENT

### 9 SEC. 4101. PROCUREMENT.

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Senate Authorized
<b>AIRCRAFT PROCUREMENT, ARMY</b>			
<b>FIXED WING</b>			
2	UTILITY F/W AIRCRAFT .....	744	744
3	MQ-1 UAV .....	43,326	43,326
4	RQ-11 (RAVEN) .....	46,416	46,416
<b>ROTARY</b>			
7	AH-64 APACHE BLOCK IIIA REMAN .....	753,248	753,248
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
<b>MODIFICATION OF AIRCRAFT</b>			
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
<b>GROUND SUPPORT AVIONICS</b>			
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
<b>OTHER SUPPORT</b>			
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
	<b>TOTAL AIRCRAFT PROCUREMENT, ARMY .....</b>	<b>3,782,558</b>	<b>3,782,558</b>
<b>MISSILE PROCUREMENT, ARMY</b>			
<b>SURFACE-TO-AIR MISSILE SYSTEM</b>			
1	LOWER TIER AIR AND MISSILE DEFENSE (AMD) .....	111,395	111,395

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
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
	<b>AIR-TO-SURFACE MISSILE SYSTEM</b>		
6	JOINT AIR-TO-GROUND MSLS (JAGM) .....	276,462	276,462
	<b>ANTI-TANK/ASSAULT MISSILE SYS</b>		
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
	<b>MODIFICATIONS</b>		
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
	<b>SPARES AND REPAIR PARTS</b>		
23	SPARES AND REPAIR PARTS .....	27,737	27,737
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
24	AIR DEFENSE TARGETS .....	6,417	6,417
25	PRODUCTION BASE SUPPORT .....	1,202	1,202
	<b>TOTAL MISSILE PROCUREMENT, ARMY</b> .....	<b>3,355,777</b>	<b>3,775,777</b>
	 <b>PROCUREMENT OF W&amp;TCV, ARMY</b>		
	<b>TRACKED COMBAT VEHICLES</b>		
2	ARMORED MULTI PURPOSE VEHICLE (AMPV) .....	479,801	379,801
	Program decrease .....		[-100,000]
	<b>MODIFICATION OF TRACKED COMBAT VEHICLES</b>		
4	STRYKER (MOD) .....	287,490	138,100
	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
	<b>WEAPONS &amp; OTHER COMBAT VEHICLES</b>		
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
	<b>MOD OF WEAPONS AND OTHER COMBAT VEH</b>		
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
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
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
	<b>TOTAL PROCUREMENT OF W&amp;TCV, ARMY</b> .....	<b>4,489,118</b>	<b>4,175,118</b>

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
<b>PROCUREMENT OF AMMUNITION, ARMY</b>			
<b>SMALL/MEDIUM CAL AMMUNITION</b>			
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 .....	63,573	63,573
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
<b>MORTAR AMMUNITION</b>			
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
<b>TANK AMMUNITION</b>			
12	CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES .....	168,101	168,101
<b>ARTILLERY AMMUNITION</b>			
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]
<b>MINES</b>			
17	MINES & CLEARING CHARGES, ALL TYPES .....	15,905	15,905
<b>ROCKETS</b>			
18	SHOULDER LAUNCHED MUNITIONS, ALL TYPES .....	4,503	4,503
19	ROCKET, HYDRA 70, ALL TYPES .....	211,211	211,211
<b>OTHER AMMUNITION</b>			
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
<b>MISCELLANEOUS</b>			
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
<b>PRODUCTION BASE SUPPORT</b>			
32	INDUSTRIAL FACILITIES .....	394,133	394,133
33	CONVENTIONAL MUNITIONS DEMILITARIZATION .....	157,535	157,535
34	ARMS INITIATIVE .....	3,771	3,771
	<b>TOTAL PROCUREMENT OF AMMUNITION, ARMY .....</b>	<b>2,234,761</b>	<b>2,128,061</b>
<b>OTHER PROCUREMENT, ARMY</b>			
<b>TACTICAL VEHICLES</b>			
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
<b>NON-TACTICAL VEHICLES</b>			
16	HEAVY ARMORED VEHICLE .....	790	790
17	PASSENGER CARRYING VEHICLES .....	1,390	1,390
18	NONTACTICAL VEHICLES, OTHER .....	15,415	15,415
<b>COMM—JOINT COMMUNICATIONS</b>			
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
<b>COMM—SATELLITE COMMUNICATIONS</b>			
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

**SEC. 4101. PROCUREMENT**  
**(In Thousands of Dollars)**

Line	Item	FY 2019 Request	Senate Authorized
32	ENROUTE MISSION COMMAND (EMC) .....	37,401	37,401
	<b>COMM—C3 SYSTEM</b>		
36	COE TACTICAL SERVER INFRASTRUCTURE (TSI) .....	20,500	20,500
	<b>COMM—COMBAT COMMUNICATIONS</b>		
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
	<b>COMM—INTELLIGENCE COMM</b>		
50	CI AUTOMATION ARCHITECTURE (MIP) .....	9,740	9,740
51	DEFENSE MILITARY DECEPTION INITIATIVE .....	2,667	2,667
	<b>INFORMATION SECURITY</b>		
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
	<b>COMM—LONG HAUL COMMUNICATIONS</b>		
59	BASE SUPPORT COMMUNICATIONS .....	34,434	34,434
	<b>COMM—BASE COMMUNICATIONS</b>		
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
	<b>ELECT EQUIP—TACT INT REL ACT (TIARA)</b>		
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
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
	<b>ELECT EQUIP—ELECTRONIC WARFARE (EW)</b>		
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
	<b>ELECT EQUIP—TACTICAL SURV. (TAC SURV)</b>		
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: LHMBX XM32 .....	8,553	8,553
98	MORTAR FIRE CONTROL SYSTEM .....	21,489	21,489
99	COUNTERFIRE RADARS .....	162,121	162,121
	<b>ELECT EQUIP—TACTICAL C2 SYSTEMS</b>		
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
	<b>ELECT EQUIP—AUTOMATION</b>		
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
	<b>ELECT EQUIP—AUDIO VISUAL SYS (A/V)</b>		

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
117	TACTICAL DIGITAL MEDIA .....	4,392	4,392
118	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) .....	1,970	1,970
	<b>ELECT EQUIP--SUPPORT</b>		
119	PRODUCTION BASE SUPPORT (C-E) .....	506	506
	CLASSIFIED PROGRAMS .....	4,501	4,501
	<b>CLASSIFIED PROGRAMS</b>		
	<b>CHEMICAL DEFENSIVE EQUIPMENT</b>		
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
	<b>BRIDGING EQUIPMENT</b>		
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
	<b>ENGINEER (NON-CONSTRUCTION) EQUIPMENT</b>		
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
	<b>COMBAT SERVICE SUPPORT EQUIPMENT</b>		
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
	<b>PETROLEUM EQUIPMENT</b>		
149	QUALITY SURVEILLANCE EQUIPMENT .....	1,770	1,770
150	DISTRIBUTION SYSTEMS, PETROLEUM & WATER .....	39,730	39,730
	<b>MEDICAL EQUIPMENT</b>		
151	COMBAT SUPPORT MEDICAL .....	57,752	57,752
	<b>MAINTENANCE EQUIPMENT</b>		
152	MOBILE MAINTENANCE EQUIPMENT SYSTEMS .....	37,722	37,722
153	ITEMS LESS THAN \$5.0M (MAINT EQ) .....	4,985	4,985
	<b>CONSTRUCTION EQUIPMENT</b>		
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
	<b>RAIL FLOAT CONTAINERIZATION EQUIPMENT</b>		
163	ARMY WATERCRAFT ESP .....	27,711	27,711
164	ITEMS LESS THAN \$5.0M (FLOAT/RAIL) .....	8,385	8,385
	<b>GENERATORS</b>		
165	GENERATORS AND ASSOCIATED EQUIP .....	133,772	133,772
166	TACTICAL ELECTRIC POWER RECAPITALIZATION .....	8,333	8,333
	<b>MATERIAL HANDLING EQUIPMENT</b>		
167	FAMILY OF FORKLIFTS .....	12,901	12,901
	<b>TRAINING EQUIPMENT</b>		
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
	<b>TEST MEASURE AND DIG EQUIPMENT (TMD)</b>		
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
	<b>OTHER SUPPORT EQUIPMENT</b>		
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



SEC. 4101. PROCUREMENT  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
<b>OPA2</b>			
184	INITIAL SPARES—C&E .....	9,817	9,817
	<b>TOTAL OTHER PROCUREMENT, ARMY</b> .....	<b>7,999,529</b>	<b>7,736,329</b>
<b>AIRCRAFT PROCUREMENT, NAVY</b>			
<b>COMBAT AIRCRAFT</b>			
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]
<b>AIRLIFT AIRCRAFT</b>			
18	C-40A .....	206,000	0
	Funded in FY18 Omnibus .....		[-206,000]
<b>OTHER AIRCRAFT</b>			
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	STUASLO UAV .....	14,866	14,866
26	VH-92A EXECUTIVE HELO .....	649,015	649,015
72	UAV .....	0	100,000
	Procurement of UAV .....		[100,000]
<b>MODIFICATION OF AIRCRAFT</b>			
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 Adaptive 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

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
63	RQ-21 SERIES .....	6,904	6,904
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>		
64	SPARES AND REPAIR PARTS .....	1,792,920	1,842,920
	F-35B and F-35C spares quantity increase .....		[50,000]
	<b>AIRCRAFT SUPPORT EQUIP &amp; FACILITIES</b>		
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
	<b>TOTAL AIRCRAFT PROCUREMENT, NAVY</b> .....	<b>19,041,799</b>	<b>19,217,199</b>
	<b>WEAPONS PROCUREMENT, NAVY</b>		
	<b>MODIFICATION OF MISSILES</b>		
1	TRIDENT II MODS .....	1,078,750	1,078,750
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
2	MISSILE INDUSTRIAL FACILITIES .....	6,998	6,998
	<b>STRATEGIC MISSILES</b>		
3	TOMAHAWK .....	98,570	98,570
	<b>TACTICAL MISSILES</b>		
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]
18	LCS OTH MISSILE .....	18,156	18,156
	<b>MODIFICATION OF MISSILES</b>		
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]
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
23	WEAPONS INDUSTRIAL FACILITIES .....	2,006	2,006
24	FLEET SATELLITE COMM FOLLOW-ON .....	66,779	66,779
	<b>ORDNANCE SUPPORT EQUIPMENT</b>		
25	ORDNANCE SUPPORT EQUIPMENT .....	62,008	62,008
	<b>TORPEDOES AND RELATED EQUIP</b>		
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
	<b>MOD OF TORPEDOES AND RELATED EQUIP</b>		
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
	<b>SUPPORT EQUIPMENT</b>		
32	TORPEDO SUPPORT EQUIPMENT .....	79,371	79,371
33	ASW RANGE SUPPORT .....	3,872	3,872
	<b>DESTINATION TRANSPORTATION</b>		
34	FIRST DESTINATION TRANSPORTATION .....	3,726	3,726
	<b>GUNS AND GUN MOUNTS</b>		
35	SMALL ARMS AND WEAPONS .....	15,067	15,067
	<b>MODIFICATION OF GUNS AND GUN MOUNTS</b>		
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
	<b>SPARES AND REPAIR PARTS</b>		
43	SPARES AND REPAIR PARTS .....	135,688	135,688
	<b>TOTAL WEAPONS PROCUREMENT, NAVY</b> .....	<b>3,702,393</b>	<b>3,680,493</b>
	<b>PROCUREMENT OF AMMO, NAVY &amp; MC</b>		
	<b>NAVY AMMUNITION</b>		
1	GENERAL PURPOSE BOMBS .....	79,871	79,871
2	JDAM .....	87,900	87,900

**SEC. 4101. PROCUREMENT**  
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Line	Item	FY 2019 Request	Senate Authorized
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
	<b>MARINE CORPS AMMUNITION</b>		
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
	<b>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC</b> .....	<b>1,006,209</b>	<b>993,209</b>
	<b>SHIPBUILDING AND CONVERSION, NAVY</b>		
	<b>FLEET BALLISTIC MISSILE SHIPS</b>		
1	OHIO REPLACEMENT SUBMARINE AP .....	3,005,330	3,005,330
	<b>OTHER WARSHIPS</b>		
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
	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]
	<b>AMPHIBIOUS SHIPS</b>		
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
	<b>AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST</b>		
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]
	<b>TOTAL SHIPBUILDING AND CONVERSION, NAVY</b> .....	<b>21,871,437</b>	<b>23,126,937</b>
	<b>OTHER PROCUREMENT, NAVY</b>		
	<b>SHIP PROPULSION EQUIPMENT</b>		
1	SURFACE POWER EQUIPMENT .....	19,700	19,700
	<b>GENERATORS</b>		
3	SURFACE COMBATANT HM&E .....	23,495	23,495
	<b>NAVIGATION EQUIPMENT</b>		
4	OTHER NAVIGATION EQUIPMENT .....	63,330	73,330
	Accelerate ECDIS-N 9.3, 9.4, 9.5 implementation .....		[10,000]
	<b>OTHER SHIPBOARD EQUIPMENT</b>		
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

**SEC. 4101. PROCUREMENT**  
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<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
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
	<b>REACTOR PLANT EQUIPMENT</b>		
25	REACTOR POWER UNITS .....	346,325	346,325
26	REACTOR COMPONENTS .....	497,063	497,063
	<b>OCEAN ENGINEERING</b>		
27	DIVING AND SALVAGE EQUIPMENT .....	10,706	10,706
	<b>SMALL BOATS</b>		
28	STANDARD BOATS .....	49,771	49,771
	<b>PRODUCTION FACILITIES EQUIPMENT</b>		
29	OPERATING FORCES IPE .....	225,181	225,181
	<b>OTHER SHIP SUPPORT</b>		
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
	<b>LOGISTIC SUPPORT</b>		
36	LSD MIDLIFE & MODERNIZATION .....	4,784	4,784
	<b>SHIP SONARS</b>		
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
	<b>ASW ELECTRONIC EQUIPMENT</b>		
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
	<b>ELECTRONIC WARFARE EQUIPMENT</b>		
45	AN/SLQ-32 .....	420,344	420,344
	<b>RECONNAISSANCE EQUIPMENT</b>		
46	SHIPBOARD IW EXPLOIT .....	220,883	220,883
47	AUTOMATED IDENTIFICATION SYSTEM (AIS) .....	4,028	4,028
	<b>OTHER SHIP ELECTRONIC EQUIPMENT</b>		
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
	<b>AVIATION ELECTRONIC EQUIPMENT</b>		
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
	<b>OTHER SHORE ELECTRONIC EQUIPMENT</b>		
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

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<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
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]
	<b>SHIPBOARD COMMUNICATIONS</b>		
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
	<b>SUBMARINE COMMUNICATIONS</b>		
75	SUBMARINE BROADCAST SUPPORT .....	30,897	30,897
76	SUBMARINE COMMUNICATION EQUIPMENT .....	78,580	78,580
	<b>SATELLITE COMMUNICATIONS</b>		
77	SATELLITE COMMUNICATIONS SYSTEMS .....	41,205	41,205
78	NAVY MULTIBAND TERMINAL (NMT) .....	113,885	113,885
	<b>SHORE COMMUNICATIONS</b>		
79	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) .....	4,292	4,292
	<b>CRYPTOGRAPHIC EQUIPMENT</b>		
80	INFO SYSTEMS SECURITY PROGRAM (ISSP) .....	153,526	153,526
81	MIO INTEL EXPLOITATION TEAM .....	951	951
	<b>CRYPTOLOGIC EQUIPMENT</b>		
82	CRYPTOLOGIC COMMUNICATIONS EQUIP .....	14,209	17,009
	SOUTHCOM CCO Sensor (2 suites) .....		[2,800]
	<b>OTHER ELECTRONIC SUPPORT</b>		
86	COAST GUARD EQUIPMENT .....	40,713	40,713
	<b>SONOBUOYS</b>		
88	SONOBUOYS—ALL TYPES .....	177,891	213,891
	Navy UPL .....		[36,000]
	<b>AIRCRAFT SUPPORT EQUIPMENT</b>		
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
96	AVIATION SUPPORT EQUIPMENT .....	39,374	39,374
97	UMCS-UNMAN CARRIER AVIATION(UCA)MISSION CNTRL .....	35,405	35,405
	<b>SHIP GUN SYSTEM EQUIPMENT</b>		
98	SHIP GUN SYSTEMS EQUIPMENT .....	5,337	5,337
	<b>SHIP MISSILE SYSTEMS EQUIPMENT</b>		
99	SHIP MISSILE SUPPORT EQUIPMENT .....	213,090	213,090
100	TOMAHAWK SUPPORT EQUIPMENT .....	92,890	92,890
	<b>FBM SUPPORT EQUIPMENT</b>		
101	STRATEGIC MISSILE SYSTEMS EQUIP .....	271,817	271,817
	<b>ASW SUPPORT EQUIPMENT</b>		
102	SSN COMBAT CONTROL SYSTEMS .....	129,501	129,501
103	ASW SUPPORT EQUIPMENT .....	19,436	19,436
	<b>OTHER ORDNANCE SUPPORT EQUIPMENT</b>		
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIP .....	14,258	14,258
105	ITEMS LESS THAN \$5 MILLION .....	5,378	5,378
	<b>OTHER EXPENDABLE ORDNANCE</b>		
106	SUBMARINE TRAINING DEVICE MODS .....	65,543	65,543
107	SURFACE TRAINING EQUIPMENT .....	230,425	230,425
	<b>CIVIL ENGINEERING SUPPORT EQUIPMENT</b>		
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
	<b>SUPPLY SUPPORT EQUIPMENT</b>		
117	SUPPLY EQUIPMENT .....	18,786	18,786
118	FIRST DESTINATION TRANSPORTATION .....	5,375	5,375
119	SPECIAL PURPOSE SUPPLY SYSTEMS .....	580,371	580,371
	<b>TRAINING DEVICES</b>		
120	TRAINING SUPPORT EQUIPMENT .....	3,400	3,400
121	TRAINING AND EDUCATION EQUIPMENT .....	24,283	24,283
	<b>COMMAND SUPPORT EQUIPMENT</b>		
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

**SEC. 4101. PROCUREMENT**  
**(In Thousands of Dollars)**

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
	New Navy port waterborne security barriers increase .....		[20,000]
130	ENTERPRISE INFORMATION TECHNOLOGY .....	25,393	25,393
	<b>OTHER</b>		
133	NEXT GENERATION ENTERPRISE SERVICE .....	96,269	96,269
	CLASSIFIED PROGRAMS .....	15,681	15,681
	<b>CLASSIFIED PROGRAMS</b>		
	<b>SPARES AND REPAIR PARTS</b>		
134	SPARES AND REPAIR PARTS .....	326,838	326,838
	<b>TOTAL OTHER PROCUREMENT, NAVY</b> .....	<b>9,414,355</b>	<b>9,373,855</b>
	<b>PROCUREMENT, MARINE CORPS</b>		
	<b>TRACKED COMBAT VEHICLES</b>		
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
	<b>ARTILLERY AND OTHER WEAPONS</b>		
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
	<b>OTHER SUPPORT</b>		
8	MODIFICATION KITS .....	22,904	22,904
	<b>GUIDED MISSILES</b>		
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
	<b>COMMAND AND CONTROL SYSTEMS</b>		
13	COMMON AVIATION COMMAND AND CONTROL SYSTEM (C .....	35,467	35,467
	<b>REPAIR AND TEST EQUIPMENT</b>		
14	REPAIR AND TEST EQUIPMENT .....	46,081	46,081
	<b>OTHER SUPPORT (TEL)</b>		
15	MODIFICATION KITS .....	971	971
	<b>COMMAND AND CONTROL SYSTEM (NON-TEL)</b>		
16	ITEMS UNDER \$5 MILLION (COMM & ELEC) .....	69,203	69,203
17	AIR OPERATIONS C2 SYSTEMS .....	14,269	14,269
	<b>RADAR + EQUIPMENT (NON-TEL)</b>		
18	RADAR SYSTEMS .....	6,694	6,694
19	GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .....	224,969	224,969
	<b>INTELL/COMM EQUIPMENT (NON-TEL)</b>		
21	GCSM-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
	<b>OTHER SUPPORT (NON-TEL)</b>		
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
	<b>CLASSIFIED PROGRAMS</b>		
	<b>ADMINISTRATIVE VEHICLES</b>		
36	COMMERCIAL CARGO VEHICLES .....	25,441	25,441
	<b>TACTICAL VEHICLES</b>		
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
	<b>ENGINEER AND OTHER EQUIPMENT</b>		
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
	<b>MATERIALS HANDLING EQUIPMENT</b>		
46	PHYSICAL SECURITY EQUIPMENT .....	28,306	28,306
	<b>GENERAL PROPERTY</b>		
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
	<b>OTHER SUPPORT</b>		
51	ITEMS LESS THAN \$5 MILLION .....	11,608	11,608

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
<b>SPARES AND REPAIR PARTS</b>			
53	SPARES AND REPAIR PARTS .....	25,804	25,804
	<b>TOTAL PROCUREMENT, MARINE CORPS</b> .....	<b>2,860,410</b>	<b>2,746,934</b>
<b>AIRCRAFT PROCUREMENT, AIR FORCE</b>			
<b>TACTICAL FORCES</b>			
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 O/A-X aircraft and long lead materials .....		[350,000]
<b>OTHER COMBAT AIRCRAFT</b>			
3	C-135B .....	222,176	222,176
<b>TACTICAL AIRLIFT</b>			
4	KC-46A TANKER .....	2,559,911	2,312,011
	Interim contractor support .....		[-102,700]
	Restore program accountability .....		[-145,200]
<b>OTHER AIRLIFT</b>			
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
<b>HELICOPTERS</b>			
11	COMBAT RESCUE HELICOPTER .....	680,201	680,201
<b>MISSION SUPPORT AIRCRAFT</b>			
13	CIVIL AIR PATROL A/C .....	2,719	2,719
<b>OTHER AIRCRAFT</b>			
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]
<b>STRATEGIC AIRCRAFT</b>			
19	B-2A .....	60,301	60,301
20	B-1B .....	51,290	51,290
21	B-52 .....	105,519	100,719
	Air Force requested realignment .....		[-14,800]
	LRASM certification .....		[10,000]
<b>TACTICAL AIRCRAFT</b>			
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
<b>AIRLIFT AIRCRAFT</b>			
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
<b>TRAINER AIRCRAFT</b>			
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
<b>OTHER AIRCRAFT</b>			
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]

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
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 .....	53,466	53,466
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
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>		
70	INITIAL SPARES/REPAIR PARTS .....	956,408	1,006,408
	F-35A spares .....		[50,000]
	<b>COMMON SUPPORT EQUIPMENT</b>		
71	AIRCRAFT REPLACEMENT SUPPORT EQUIP .....	81,241	81,241
	<b>POST PRODUCTION SUPPORT</b>		
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
	<b>INDUSTRIAL PREPAREDNESS</b>		
86	INDUSTRIAL RESPONSIVENESS .....	17,378	17,378
	<b>WAR CONSUMABLES</b>		
88	WAR CONSUMABLES .....	29,342	29,342
	<b>OTHER PRODUCTION CHARGES</b>		
89	OTHER PRODUCTION CHARGES .....	1,502,386	1,502,386
	CLASSIFIED PROGRAMS .....	28,278	28,278
	<b>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</b> .....	<b>16,206,937</b>	<b>16,620,737</b>
	<b>MISSILE PROCUREMENT, AIR FORCE</b>		
	<b>MISSILE REPLACEMENT EQUIPMENT—BALLISTIC</b>		
1	MISSILE REPLACEMENT EQ-BALLISTIC .....	36,786	36,786
	<b>TACTICAL</b>		
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]
	<b>INDUSTRIAL FACILITIES</b>		
9	INDUSTRIAL PREPAREDNS/POL PREVENTION .....	787	787
	<b>CLASS IV</b>		
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
	<b>MISSILE SPARES AND REPAIR PARTS</b>		
16	REPLEN SPARES/REPAIR PARTS .....	97,481	97,481
	<b>SPECIAL PROGRAMS</b>		
18	SPECIAL UPDATE PROGRAMS .....	188,539	188,539
	CLASSIFIED PROGRAMS .....	895,183	895,183
	<b>TOTAL MISSILE PROCUREMENT, AIR FORCE</b> .....	<b>2,669,454</b>	<b>2,671,654</b>
	<b>SPACE PROCUREMENT, AIR FORCE</b>		
	<b>SPACE PROGRAMS</b>		
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 POSITIONING (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



**SEC. 4101. PROCUREMENT**  
**(In Thousands of Dollars)**

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
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
	<b>SPARES</b>		
22	SPARES AND REPAIR PARTS .....	21,812	21,812
	<b>TOTAL SPACE PROCUREMENT, AIR FORCE</b> .....	<b>2,527,542</b>	<b>2,527,542</b>
	<b>PROCUREMENT OF AMMUNITION, AIR FORCE</b>		
	<b>ROCKETS</b>		
1	ROCKETS .....	345,911	345,911
	<b>CARTRIDGES</b>		
2	CARTRIDGES .....	163,840	163,840
	<b>BOMBS</b>		
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
	<b>OTHER ITEMS</b>		
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
	<b>FLARES</b>		
15	FLARES .....	125,286	125,286
	<b>FUZES</b>		
16	FUZES .....	109,358	109,358
	<b>SMALL ARMS</b>		
17	SMALL ARMS .....	64,502	64,502
	<b>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE</b> .....	<b>1,587,304</b>	<b>1,587,304</b>
	<b>OTHER PROCUREMENT, AIR FORCE</b>		
	<b>PASSENGER CARRYING VEHICLES</b>		
1	PASSENGER CARRYING VEHICLES .....	6,949	6,949
	<b>CARGO AND UTILITY VEHICLES</b>		
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]
	<b>SPECIAL PURPOSE VEHICLES</b>		
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]
	<b>FIRE FIGHTING EQUIPMENT</b>		
8	FIRE FIGHTING/CRASH RESCUE VEHICLES .....	23,328	32,308
	Procurement of 7 DABs for PACOM .....		[8,980]
	<b>MATERIALS HANDLING EQUIPMENT</b>		
9	MATERIALS HANDLING VEHICLES .....	11,537	31,309
	Procurement of 7 DABs for PACOM .....		[19,772]
	<b>BASE MAINTENANCE SUPPORT</b>		
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
	<b>COMM SECURITY EQUIPMENT(COMSEC)</b>		
12	COMSEC EQUIPMENT .....	114,372	114,372
	<b>INTELLIGENCE PROGRAMS</b>		
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
	<b>ELECTRONICS PROGRAMS</b>		
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
	<b>SPCL COMM-ELECTRONICS PROJECTS</b>		
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

**SEC. 4101. PROCUREMENT**  
**(In Thousands of Dollars)**

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
	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
	<b>AIR FORCE COMMUNICATIONS</b>		
41	BASE INFORMATION TRANSPRT 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
	<b>ORGANIZATION AND BASE</b>		
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
	<b>MODIFICATIONS</b>		
50	COMM ELECT MODS .....	10,654	10,654
	<b>PERSONAL SAFETY &amp; RESCUE EQUIP</b>		
51	PERSONAL SAFETY AND RESCUE EQUIPMENT .....	51,906	51,906
	<b>DEPOT PLANT+MTRLS HANDLING EQ</b>		
52	MECHANIZED MATERIAL HANDLING EQUIP .....	88,298	88,298
	<b>BASE SUPPORT EQUIPMENT</b>		
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]
	<b>SPECIAL SUPPORT PROJECTS</b>		
58	DARP RC135 .....	26,262	26,262
59	DCGS-AF .....	448,290	448,290
61	SPECIAL UPDATE PROGRAM .....	913,813	913,813
	CLASSIFIED PROGRAMS .....	17,258,069	17,258,069
	<b>CLASSIFIED PROGRAMS</b>		
	<b>SPARES AND REPAIR PARTS</b>		
63	SPARES AND REPAIR PARTS .....	86,365	86,365
	<b>TOTAL OTHER PROCUREMENT, AIR FORCE</b> .....	<b>20,890,164</b>	<b>20,968,260</b>
	<b>PROCUREMENT, DEFENSE-WIDE</b>		
	<b>MAJOR EQUIPMENT, OSD</b>		
43	MAJOR EQUIPMENT, OSD .....	35,295	35,295
	<b>MAJOR EQUIPMENT, NSA</b>		
42	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP) .....	5,403	5,403
	<b>MAJOR EQUIPMENT, WHS</b>		
46	MAJOR EQUIPMENT, WHS .....	497	497
	<b>MAJOR EQUIPMENT, DISA</b>		
7	INFORMATION SYSTEMS SECURITY .....	21,590	41,590
	Sharksceer .....		[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]
	<b>MAJOR EQUIPMENT, DLA</b>		
18	MAJOR EQUIPMENT .....	5,225	5,225
	<b>MAJOR EQUIPMENT, DSS</b>		
21	MAJOR EQUIPMENT .....	1,196	1,196
	<b>MAJOR EQUIPMENT, DCAA</b>		
1	ITEMS LESS THAN \$5 MILLION .....	2,542	2,542
	<b>MAJOR EQUIPMENT, TJS</b>		
44	MAJOR EQUIPMENT, TJS .....	4,360	4,360
45	MAJOR EQUIPMENT, TJS—CE2T2 .....	904	904
	<b>MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY</b>		
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

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
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
	<b>MAJOR EQUIPMENT, DHRA</b>		
3	PERSONNEL ADMINISTRATION .....	10,630	10,630
	<b>MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY</b>		
23	VEHICLES .....	207	207
24	OTHER MAJOR EQUIPMENT .....	5,592	5,592
	<b>MAJOR EQUIPMENT, DODEA</b>		
20	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS .....	1,723	1,723
	<b>MAJOR EQUIPMENT, DCMA</b>		
2	MAJOR EQUIPMENT .....	3,873	3,873
	<b>MAJOR EQUIPMENT, DMACT</b>		
19	MAJOR EQUIPMENT .....	13,106	13,106
	CLASSIFIED PROGRAMS .....	589,691	589,691
	<b>CLASSIFIED PROGRAMS</b>		
	<b>AVIATION PROGRAMS</b>		
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
	<b>SHIPBUILDING</b>		
60	UNDERWATER SYSTEMS .....	136,723	136,723
	<b>AMMUNITION PROGRAMS</b>		
61	ORDNANCE ITEMS <\$5M .....	357,742	357,742
	<b>OTHER PROCUREMENT PROGRAMS</b>		
62	INTELLIGENCE SYSTEMS .....	85,699	85,699
63	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	17,863	17,863
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
	<b>CBDP</b>		
74	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS .....	166,418	166,418
75	CB PROTECTION & HAZARD MITIGATION .....	144,519	144,519
	<b>TOTAL PROCUREMENT, DEFENSE-WIDE</b>	<b>6,786,271</b>	<b>6,786,771</b>
	<b>JOINT URGENT OPERATIONAL NEEDS FUND</b>		
	<b>JOINT URGENT OPERATIONAL NEEDS FUND</b>		
1	JOINT URGENT OPERATIONAL NEEDS FUND .....	100,025	100,025
	<b>TOTAL JOINT URGENT OPERATIONAL NEEDS FUND</b>	<b>100,025</b>	<b>100,025</b>
	<b>TOTAL PROCUREMENT</b>	<b>130,526,043</b>	<b>131,998,763</b>

**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
	<b>AIRCRAFT PROCUREMENT, ARMY</b>		
	<b>FIXED WING</b>		
3	MQ-1 UAV .....	60,000	60,000
	<b>ROTARY</b>		
11	UH-60 BLACKHAWK M MODEL (MYP) .....	21,246	21,246
14	CH-47 HELICOPTER .....	25,000	25,000
	<b>MODIFICATION OF AIRCRAFT</b>		
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

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
32	RQ-7 UAV MODS .....	50,868	50,868
33	UAS MODS .....	3,402	3,402
	<b>GROUND SUPPORT AVIONICS</b>		
36	CMWS .....	84,387	84,387
37	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	24,060	24,060
	<b>TOTAL AIRCRAFT PROCUREMENT, ARMY</b> .....	<b>363,363</b>	<b>363,363</b>
	<b>MISSILE PROCUREMENT, ARMY</b>		
	<b>SURFACE-TO-AIR MISSILE SYSTEM</b>		
2	MSE MISSILE .....	260,000	260,000
	<b>AIR-TO-SURFACE MISSILE SYSTEM</b>		
5	HELLFIRE SYS SUMMARY .....	255,040	255,040
	<b>ANTI-TANK/ASSAULT MISSILE SYS</b>		
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
	<b>MODIFICATIONS</b>		
16	ATACMS MODS .....	225,580	225,580
21	MLRS MODS .....	122,000	122,000
	<b>TOTAL MISSILE PROCUREMENT, ARMY</b> .....	<b>1,802,351</b>	<b>1,802,351</b>
	<b>PROCUREMENT OF W&amp;TCV, ARMY</b>		
	<b>TRACKED COMBAT VEHICLES</b>		
1	BRADLEY PROGRAM .....	205,000	205,000
2	ARMORED MULTI PURPOSE VEHICLE (AMPV) .....	230,359	230,359
	<b>MODIFICATION OF TRACKED COMBAT VEHICLES</b>		
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
	<b>WEAPONS &amp; OTHER COMBAT VEHICLES</b>		
18	M240 MEDIUM MACHINE GUN (7.62MM) .....	126	126
22	MORTAR SYSTEMS .....	11,842	11,842
25	CARBINE .....	1,800	1,800
27	COMMON REMOTELY OPERATED WEAPONS STATION .....	3,378	3,378
	<b>MOD OF WEAPONS AND OTHER COMBAT VEH</b>		
32	M2 50 CAL MACHINE GUN MODS .....	4,920	4,920
34	M240 MEDIUM MACHINE GUN MODS .....	7	7
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
39	ITEMS LESS THAN \$5.0M (WOCV-WTCV) .....	1,397	1,397
	<b>TOTAL PROCUREMENT OF W&amp;TCV, ARMY</b> .....	<b>1,107,183</b>	<b>1,107,183</b>
	<b>PROCUREMENT OF AMMUNITION, ARMY</b>		
	<b>SMALL/MEDIUM CAL AMMUNITION</b>		
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
	<b>MORTAR AMMUNITION</b>		
9	60MM MORTAR, ALL TYPES .....	218	218
10	81MM MORTAR, ALL TYPES .....	484	484
	<b>ARTILLERY AMMUNITION</b>		
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
	<b>ROCKETS</b>		
18	SHOULDER LAUNCHED MUNITIONS, ALL TYPES .....	22,242	22,242
19	ROCKET, HYDRA 70, ALL TYPES .....	39,974	39,974
	<b>OTHER AMMUNITION</b>		
21	DEMOLITION MUNITIONS, ALL TYPES .....	5	5
22	GRENADES, ALL TYPES .....	8	8
	<b>MISCELLANEOUS</b>		
27	ITEMS LESS THAN \$5 MILLION (AMMO) .....	66	66
	<b>TOTAL PROCUREMENT OF AMMUNITION, ARMY</b> .....	<b>309,525</b>	<b>309,525</b>
	<b>OTHER PROCUREMENT, ARMY</b>		
	<b>TACTICAL VEHICLES</b>		
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
	<b>COMM—SATELLITE COMMUNICATIONS</b>		

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
28	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS .....	7,100	7,100
	<b>COMM—COMBAT COMMUNICATIONS</b>		
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
	<b>COMM—INTELLIGENCE COMM</b>		
50	CI AUTOMATION ARCHITECTURE (MIP) .....	9,800	9,800
	<b>INFORMATION SECURITY</b>		
55	COMMUNICATIONS SECURITY (COMSEC) .....	3	3
	<b>COMM—LONG HAUL COMMUNICATIONS</b>		
59	BASE SUPPORT COMMUNICATIONS .....	690	690
	<b>COMM—BASE COMMUNICATIONS</b>		
60	INFORMATION SYSTEMS .....	8,750	8,750
63	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM .....	60,337	60,337
	<b>ELECT EQUIP—TACT INT REL ACT (TIARA)</b>		
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
	<b>ELECT EQUIP—ELECTRONIC WARFARE (EW)</b>		
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
	<b>ELECT EQUIP—TACTICAL SURV. (TAC SURV)</b>		
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: LHMCB XM32 .....	960	960
98	MORTAR FIRE CONTROL SYSTEM .....	7,660	7,660
99	COUNTERFIRE RADARS .....	165,200	165,200
	<b>ELECT EQUIP—AUTOMATION</b>		
112	AUTOMATED DATA PROCESSING EQUIP .....	28,475	28,475
	<b>CHEMICAL DEFENSIVE EQUIPMENT</b>		
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
	<b>ENGINEER (NON-CONSTRUCTION) EQUIPMENT</b>		
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
	<b>COMBAT SERVICE SUPPORT EQUIPMENT</b>		
139	HEATERS AND ECUS .....	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
	<b>MEDICAL EQUIPMENT</b>		
151	COMBAT SUPPORT MEDICAL .....	17,527	17,527
	<b>MAINTENANCE EQUIPMENT</b>		
153	ITEMS LESS THAN \$5.0M (MAINT EQ) .....	268	268
	<b>CONSTRUCTION EQUIPMENT</b>		
159	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE) .....	25,700	25,700
	<b>GENERATORS</b>		
165	GENERATORS AND ASSOCIATED EQUIP .....	569	569
	<b>TEST MEASURE AND DIG EQUIPMENT (TMD)</b>		
174	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) .....	9,495	9,495
	<b>OTHER SUPPORT EQUIPMENT</b>		
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
	<b>TOTAL OTHER PROCUREMENT, ARMY</b> .....	<b>1,382,047</b>	<b>1,382,047</b>
	<b>AIRCRAFT PROCUREMENT, NAVY</b>		
	<b>OTHER AIRCRAFT</b>		
25	STUASL0 UAV .....	35,065	35,065
	<b>MODIFICATION OF AIRCRAFT</b>		
32	SH-60 SERIES .....	4,858	4,858

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<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
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
	<b>TOTAL AIRCRAFT PROCUREMENT, NAVY .....</b>	<b>80,119</b>	<b>80,119</b>
	<b>WEAPONS PROCUREMENT, NAVY</b>		
	<b>STRATEGIC MISSILES</b>		
3	TOMAHAWK .....		82,800
	Buy-back Tomahawk .....		[82,800]
	<b>TACTICAL MISSILES</b>		
4	AMRAAM .....	1,183	1,183
5	SIDEWINDER .....	381	381
12	HELLFIRE .....	1,530	1,530
15	AERIAL TARGETS .....	6,500	6,500
	<b>GUNS AND GUN MOUNTS</b>		
35	SMALL ARMS AND WEAPONS .....	1,540	1,540
	<b>MODIFICATION OF GUNS AND GUN MOUNTS</b>		
38	GUN MOUNT MODS .....	3,000	3,000
	<b>TOTAL WEAPONS PROCUREMENT, NAVY .....</b>	<b>14,134</b>	<b>96,934</b>
	<b>PROCUREMENT OF AMMO, NAVY &amp; MC</b>		
	<b>NAVY AMMUNITION</b>		
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
	Excess balances .....		[-2,000]
	<b>MARINE CORPS AMMUNITION</b>		
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
	<b>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC .....</b>	<b>246,541</b>	<b>244,541</b>
	<b>OTHER PROCUREMENT, NAVY</b>		
	<b>OTHER SHIPBOARD EQUIPMENT</b>		
21	UNDERWATER EOD PROGRAMS .....	9,200	9,200
	<b>SMALL BOATS</b>		
28	STANDARD BOATS .....	19,060	19,060
	<b>ASW ELECTRONIC EQUIPMENT</b>		
43	FIXED SURVEILLANCE SYSTEM .....	56,950	56,950
	<b>SATELLITE COMMUNICATIONS</b>		
77	SATELLITE COMMUNICATIONS SYSTEMS .....	3,200	3,200
	<b>CRYPTOLOGIC EQUIPMENT</b>		
82	CRYPTOLOGIC COMMUNICATIONS EQUIP .....	2,000	2,000
	<b>SONOBUOYS</b>		
88	SONOBUOYS—ALL TYPES .....	21,156	21,156
	<b>OTHER ORDNANCE SUPPORT EQUIPMENT</b>		
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIP .....	33,580	33,580
	<b>CIVIL ENGINEERING SUPPORT EQUIPMENT</b>		
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
	<b>SUPPLY SUPPORT EQUIPMENT</b>		
118	FIRST DESTINATION TRANSPORTATION .....	500	500
	<b>COMMAND SUPPORT EQUIPMENT</b>		
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
	<b>TOTAL OTHER PROCUREMENT, NAVY .....</b>	<b>187,173</b>	<b>187,173</b>
	<b>PROCUREMENT, MARINE CORPS</b>		
	<b>INTELL/COMM EQUIPMENT (NON-TEL)</b>		
22	FIRE SUPPORT SYSTEM .....	5,583	5,583
	<b>TACTICAL VEHICLES</b>		
37	MOTOR TRANSPORT MODIFICATIONS .....	44,440	44,440

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
<b>ENGINEER AND OTHER EQUIPMENT</b>			
45	EOD SYSTEMS .....	8,000	8,000
	<b>TOTAL PROCUREMENT, MARINE CORPS</b> .....	<b>58,023</b>	<b>58,023</b>
<b>AIRCRAFT PROCUREMENT, AIR FORCE</b>			
<b>OTHER AIRLIFT</b>			
6	HC-130J .....	100,000	100,000
<b>OTHER AIRCRAFT</b>			
17	MQ-9 .....	339,740	339,740
18	RQ-20B PUMA .....	13,500	13,500
<b>STRATEGIC AIRCRAFT</b>			
20	B-1B .....	4,000	4,000
22	LARGE AIRCRAFT INFRARED COUNTERMEASURES .....	149,778	149,778
<b>TACTICAL AIRCRAFT</b>			
23	A-10 .....	10,350	10,350
<b>OTHER AIRCRAFT</b>			
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
<b>AIRCRAFT SPARES AND REPAIR PARTS</b>			
70	INITIAL SPARES/REPAIR PARTS .....	91,500	91,500
<b>COMMON SUPPORT EQUIPMENT</b>			
71	AIRCRAFT REPLACEMENT SUPPORT EQUIP .....	32,529	32,529
72	OTHER PRODUCTION CHARGES .....	22,000	22,000
	<b>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</b> .....	<b>1,018,888</b>	<b>1,018,888</b>
<b>MISSILE PROCUREMENT, AIR FORCE</b>			
<b>TACTICAL</b>			
2	JOINT AIR-SURFACE STANDOFF MISSILE .....	61,600	84,400
	Buy-back JASSM-ER .....		[22,800]
5	AMRAAM .....	2,600	2,600
6	PREDATOR HELLFIRE MISSILE .....	255,000	255,000
7	SMALL DIAMETER BOMB .....	140,724	140,724
<b>CLASS IV</b>			
13	AGM-65D MAVERICK .....	33,602	33,602
	<b>TOTAL MISSILE PROCUREMENT, AIR FORCE</b> .....	<b>493,526</b>	<b>516,326</b>
<b>PROCUREMENT OF AMMUNITION, AIR FORCE</b>			
<b>CARTRIDGES</b>			
2	CARTRIDGES .....	29,587	29,587
<b>BOMBS</b>			
4	GENERAL PURPOSE BOMBS .....	551,862	551,862
6	JOINT DIRECT ATTACK MUNITION .....	738,451	738,451
<b>FLARES</b>			
15	FLARES .....	12,116	12,116
<b>FUZES</b>			
16	FUZES .....	81,000	81,000
<b>SMALL ARMS</b>			
17	SMALL ARMS .....	8,500	8,500
	<b>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE</b> .....	<b>1,421,516</b>	<b>1,421,516</b>
<b>OTHER PROCUREMENT, AIR FORCE</b>			
<b>PASSENGER CARRYING VEHICLES</b>			
1	PASSENGER CARRYING VEHICLES .....	9,680	9,680
<b>CARGO AND UTILITY VEHICLES</b>			
2	MEDIUM TACTICAL VEHICLE .....	9,680	9,680
4	CARGO AND UTILITY VEHICLES .....	19,680	19,680
<b>SPECIAL PURPOSE VEHICLES</b>			
6	SECURITY AND TACTICAL VEHICLES .....	24,880	24,880
7	SPECIAL PURPOSE VEHICLES .....	34,680	34,680
<b>FIRE FIGHTING EQUIPMENT</b>			
8	FIRE FIGHTING/CRASH RESCUE VEHICLES .....	9,736	9,736
<b>MATERIALS HANDLING EQUIPMENT</b>			
9	MATERIALS HANDLING VEHICLES .....	24,680	24,680
<b>BASE MAINTENANCE SUPPORT</b>			
10	RUNWAY SNOW REMOV AND CLEANING EQU .....	9,680	9,680
11	BASE MAINTENANCE SUPPORT VEHICLES .....	9,680	9,680
<b>INTELLIGENCE PROGRAMS</b>			
15	INTELLIGENCE COMM EQUIPMENT .....	6,156	6,156
<b>ELECTRONICS PROGRAMS</b>			
16	AIR TRAFFIC CONTROL & LANDING SYS .....	56,884	56,884
<b>SPCL COMM-ELECTRONICS PROJECTS</b>			
29	AIR FORCE PHYSICAL SECURITY SYSTEM .....	46,236	46,236
37	THEATER BATTLE MGT C2 SYSTEM .....	2,500	2,500

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
<b>ORGANIZATION AND BASE</b>			
45	TACTICAL C-E EQUIPMENT .....	27,911	27,911
<b>PERSONAL SAFETY &amp; RESCUE EQUIP</b>			
51	PERSONAL SAFETY AND RESCUE EQUIPMENT .....	13,600	13,600
<b>BASE SUPPORT EQUIPMENT</b>			
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
<b>SPECIAL SUPPORT PROJECTS</b>			
59	DCGS-AF .....	2,000	2,000
	CLASSIFIED PROGRAMS .....	3,229,364	3,229,364
	<b>TOTAL OTHER PROCUREMENT, AIR FORCE</b> .....	<b>3,725,944</b>	<b>3,725,944</b>
<b>PROCUREMENT, DEFENSE-WIDE</b>			
<b>MAJOR EQUIPMENT, DISA</b>			
8	TELEPORT PROGRAM .....	3,800	3,800
17	DEFENSE INFORMATION SYSTEMS NETWORK .....	12,000	12,000
<b>MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY</b>			
25	COUNTER IED & IMPROVISED THREAT TECHNOLOGIES .....	5,534	5,534
	CLASSIFIED PROGRAMS .....	41,559	41,559
<b>CLASSIFIED PROGRAMS</b>			
<b>AVIATION PROGRAMS</b>			
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
<b>AMMUNITION PROGRAMS</b>			
61	ORDNANCE ITEMS <\$5M .....	100,850	100,850
<b>OTHER PROCUREMENT PROGRAMS</b>			
62	INTELLIGENCE SYSTEMS .....	16,500	16,500
64	OTHER ITEMS <\$5M .....	7,700	7,700
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
	<b>TOTAL PROCUREMENT, DEFENSE-WIDE</b> .....	<b>572,135</b>	<b>572,135</b>
	<b>TOTAL PROCUREMENT</b> .....	<b>12,782,468</b>	<b>12,886,068</b>

1 **TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
 2 **TION**

4 **SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
 5 **TION.**

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY</b>				
<b>BASIC RESEARCH</b>				
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]
		<b>SUBTOTAL BASIC RESEARCH</b> .....	<b>445,895</b>	<b>463,395</b>
<b>APPLIED RESEARCH</b>				



**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
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
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>919,609</b>	<b>929,609</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
30	0603001A	WARFIGHTER ADVANCED TECHNOLOGY .....	39,338	39,338
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]
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>1,026,698</b>	<b>1,129,698</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
54	0603305A	ARMY MISSILE 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
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>1,329,393</b>	<b>1,386,393</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
84	0604201A	AIRCRAFT AVIONICS .....	32,293	32,293
85	0604270A	ELECTRONIC WARFARE DEVELOPMENT .....	78,699	78,699
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

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(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
		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 (PPS-A) .....	166,603	166,603
121	0605028A	ARMORED MULTI-PURPOSE VEHICLE (AMPV) .....	118,239	118,239
122	0605029A	INTEGRATED GROUND SECURITY SURVEILLANCE RE- SPONSE 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 VEHI- CLE (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 (NIP) .....	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
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>3,192,689</b>	<b>3,084,761</b>
		<b>RDT&amp;E MANAGEMENT SUPPORT</b>		
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
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 SURVIVABILITY/LETHALITY ANALYSIS .....	62,379	62,379
161	0605604A	AIRCRAFT CERTIFICATION .....	40,496	40,496
162	0605606A	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES .....	3,941	3,941
163	0605702A	MATERIEL SYSTEMS ANALYSIS .....	9,767	9,767
164	0605706A	EXPLOITATION OF FOREIGN ITEMS .....	21,226	21,226
165	0605709A	SUPPORT OF OPERATIONAL TESTING .....	13,026	13,026
166	0605712A	ARMY EVALUATION CENTER .....	52,718	52,718
167	0605716A	ARMY MODELING & SIM X-CMD COLLABORATION & INTEG ..	57,049	57,049
168	0605718A	PROGRAMWIDE ACTIVITIES .....	2,801	2,801
169	0605801A	TECHNICAL INFORMATION ACTIVITIES .....	60,942	60,942
170	0605803A	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY. ....	29,050	29,050
171	0605805A	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT .....	42,332	42,332
172	0605857A	ARMY DIRECT REPORT HEADQUARTERS—R&D - MHA .....	3,216	3,216
173	0605898A	MILITARY GROUND-BASED CREW TECHNOLOGY .....	54,145	54,145
174	0606001A	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE .....	4,896	4,896
175	0606002A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION .....	63,011	63,011
176	0606003A	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES. ....	2,636	2,636
177	0606942A	<b>SUBTOTAL RDT&amp;E MANAGEMENT SUPPORT .....</b>	<b>88,300</b>	<b>88,300</b>
		<b>CLASSIFIED PROGRAMS .....</b>	<b>5,955</b>	<b>5,955</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
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 PRO- GRAMS. ....	16,022	16,022

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
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<b>Line</b>	<b>Program Element</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
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
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>1,922,614</b>	<b>1,922,614</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY.</b>	<b>10,159,379</b>	<b>10,278,951</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY</b>		
		<b>BASIC RESEARCH</b>		
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]
		<b>SUBTOTAL BASIC RESEARCH</b>	<b>597,378</b>	<b>612,378</b>
		<b>APPLIED RESEARCH</b>		
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]

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Line	Program Element	Item	FY 2019 Request	Senate Authorized
16	0602861N	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACTIVITIES.	64,418	64,418
		<b>SUBTOTAL APPLIED RESEARCH</b> .....	<b>891,471</b>	<b>911,471</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
19	0603123N	FORCE PROTECTION ADVANCED TECHNOLOGY .....	2,423	2,423
21	0603640M	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD) ... Unjustified growth .....	150,245	140,245 [-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. DE & EW/unmanned and autonomous systems .....	161,859	166,359 [4,500]
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT</b> .....	<b>750,995</b>	<b>745,495</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
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 [2,500]
		Locust/HCUS/INP Transition .....		
37	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES. Barracuda EDMs ahead of PDR and CDR .....	62,727	36,727 [-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 [3,500]
		Advanced submarine propulsion development .....		
46	0603562N	SUBMARINE TACTICAL WARFARE SYSTEMS .....	9,374	9,374
47	0603563N	SHIP CONCEPT ADVANCED DESIGN .....	89,419	107,419 [18,000]
		CHAMP acceleration .....		
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 [-5,000]
		Project 2552: Align with deferred LCS-6 SSMM test .....		
		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	0603634N	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 [-15,529]
		Program delay and no GLGP EMD FYDP funding .....		
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

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Line	Program Element	Item	FY 2019 Request	Senate Authorized
		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	0604639N	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
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>4,293,713</b>	<b>4,273,967</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
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
		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 .....	163,881	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

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Line	Program Element	Item	FY 2019 Request	Senate Authorized
		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 FAC- TORS.	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 DEVELOP- MENT & DEMONSTRATION.	98,223	98,223
174	0605813M	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVEL- OPMENT & 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
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>6,042,480</b>	<b>6,148,080</b>
		<b>MANAGEMENT SUPPORT</b>		
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 ORGANIZA- TION.	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
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 SUP- PORT ACTIVITIES).	1,579	1,579
208	1206867N	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT .....	8,684	8,684
		<b>SUBTOTAL MANAGEMENT SUPPORT</b> .....	<b>1,020,569</b>	<b>1,011,569</b>
	9999999999	CLASSIFIED PROGRAMS .....	1,549,503	1,549,503
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
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

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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). Restore MST to maintain 2020 IOC .....	282,395	291,095 [8,700]
223	0204311N	INTEGRATED SURVEILLANCE SYSTEM .....	36,959	71,959 [35,000]
		Additional TRAPS units .....		
224	0204313N	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS .....	15,454	15,454
225	0204413N	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT). GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .....	6,073	6,073
226	0204460M	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT .....	45,029	45,029
227	0204571N	CRYPTOLOGIC DIRECT SUPPORT .....	104,903	104,903
228	0204574N	ELECTRONIC WARFARE (EW) READINESS SUPPORT .....	4,544	4,544
229	0204575N	HARM IMPROVEMENT .....	66,889	66,889
230	0205601N	Cancel ER program .....	120,762	21,522 [-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 [15,000]
		UPL—F/A-18 E/F Super Hornet Engine Enhancements .....		
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). MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS.	4,826	4,826
238	0206623M	MARINE CORPS COMBAT SERVICES SUPPORT .....	97,152	97,152
239	0206624M	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP). AMPHIBIOUS ASSAULT VEHICLE .....	30,156	30,156
240	0206625M	Lacks operational justification/need .....	39,976	39,976
241	0206629M	TACTICAL AIM MISSILES .....	22,637	0 [-22,637]
242	0207161N	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM) .....	40,121	40,121
243	0207163N	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES (CANES). INFORMATION SYSTEMS SECURITY PROGRAM .....	32,473	32,473
244	0303138N	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES .....	23,697	23,697
250	0303140N	TACTICAL UNMANNED AERIAL VEHICLES .....	44,228	44,228
252	0305192N	UAS INTEGRATION AND INTEROPERABILITY .....	6,081	6,081
253	0305204N	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	8,529	8,529
254	0305205N	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	41,212	41,212
255	0305208M	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	7,687	7,687
256	0305208N	MQ-4C TRITON .....	42,846	42,846
257	0305220N	MQ-8 UAV .....	14,395	14,395
258	0305231N	RQ-11 UAV .....	9,843	9,843
259	0305232M	SMALL (LEVEL 0) TACTICAL UAS (STUASL0) .....	524	524
260	0305234N	RQ-21A .....	5,360	5,360
261	0305239M	MULTI-INTELLIGENCE SENSOR DEVELOPMENT .....	10,914	10,914
262	0305241N	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP) .....	81,231	81,231
263	0305242M	RQ-4 MODERNIZATION .....	5,956	5,956
264	0305421N	MODELING AND SIMULATION SUPPORT .....	219,894	219,894
265	0308601N	DEPOT MAINTENANCE (NON-IF) .....	7,097	7,097
266	0702207N	MARITIME TECHNOLOGY (MARITECH) .....	36,560	36,560
267	0708730N	SATELLITE COMMUNICATIONS (SPACE) .....	7,284	7,284
268	1203109N	<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>4,885,060</b>	<b>4,833,883</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY.</b>	<b>18,481,666</b>	<b>18,536,843</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF BASIC RESEARCH</b>		
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]
		<b>SUBTOTAL BASIC RESEARCH</b>	<b>517,819</b>	<b>530,319</b>
		<b>APPLIED RESEARCH</b>		
4	0602102F	MATERIALS .....	125,373	129,373
		Advanced materials analysis .....		[4,000]



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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]
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>1,312,342</b>	<b>1,358,842</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
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
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>814,797</b>	<b>862,297</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
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
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

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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 EQUIP- MENT) (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]
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>	<b>6,529,943</b>	<b>6,764,566</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
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 IHC .....	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
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
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>	<b>5,272,191</b>	<b>5,557,191</b>
		<b>MANAGEMENT SUPPORT</b>		
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

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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
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>2,839,511</b>	<b>2,854,511</b>
	9999999999	CLASSIFIED PROGRAMS .....	16,534,124	16,534,124
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
165	0604233F	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING .....	11,344	11,344
167	0605018F	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS) .. Poor agile development implementation and lengthy delivery timeline.	47,287	13,141 [-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 [14,800]
		Air Force requested realignment .....		
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 NET- WORK.	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 MOD- ERNIZATION 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
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 [10,000]
		Increase to accelerate 21st Century Battle Management Command and Control.		
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

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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
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

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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 CON- TROL SEGMENT.	513,235	513,235
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>22,891,740</b>	<b>22,825,518</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF</b>	<b>40,178,343</b>	<b>40,753,244</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW</b>		
		<b>BASIC RESEARCH</b>		
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/MI- NORITY INSTITUTIONS.	30,412	30,412
7	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	42,103	42,103
		<b>SUBTOTAL BASIC RESEARCH</b>	<b>708,114</b>	<b>735,614</b>
		<b>APPLIED RESEARCH</b>		
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 PRI- ORITIES.	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 RE- SEARCH.	161,151	161,151
21	0602751D8Z	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RE- SEARCH.	9,300	9,300
22	1160401BB	SOF TECHNOLOGY DEVELOPMENT .....	35,921	35,921
		<b>SUBTOTAL APPLIED RESEARCH</b>	<b>1,976,937</b>	<b>1,954,437</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
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
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

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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]
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>3,699,612</b>	<b>4,038,712</b>
		<b>ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES</b>		
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]
74	0603884BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEMO/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 COMMUNICATIONS.	475,168	425,168
		Inconsistent capability delivery .....		[-50,000]

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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 HOMEMAND 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]
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES.</b>	<b>8,709,725</b>	<b>8,752,525</b>
		<b>SYSTEM DEVELOPMENT AND DEMONSTRATION</b>		
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
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

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
		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 (EEM).	2,435	2,435
136	0305310D8Z	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION.	17,048	17,048
		<b>SUBTOTAL SYSTEM DEVELOPMENT AND DEMONSTRATION.</b>	<b>831,189</b>	<b>816,327</b>
	9999999999	CLASSIFIED PROGRAMS .....	45,604	45,604
		<b>MANAGEMENT SUPPORT</b>		
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) Cyber range capacity and development .....	84,184	89,184
				[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
		<b>SUBTOTAL MANAGEMENT SUPPORT</b> .....	<b>1,117,030</b>	<b>1,132,030</b>
	9999999999	CLASSIFIED PROGRAMS .....	3,877,898	3,887,898
		Classified increase .....		[10,000]
		<b>OPERATIONAL SYSTEM DEVELOPMENT</b>		
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
		<b>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT ...</b>	<b>4,973,946</b>	<b>4,985,946</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW.</b>	<b>22,016,553</b>	<b>22,415,591</b>
		<b>OPERATIONAL TEST &amp; EVAL, DEFENSE MANAGEMENT SUPPORT</b>		
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]
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>221,009</b>	<b>231,909</b>
		<b>TOTAL OPERATIONAL TEST &amp; EVAL, DEFENSE .....</b>	<b>221,009</b>	<b>231,909</b>
		<b>TOTAL RDT&amp;E .....</b>	<b>91,056,950</b>	<b>92,216,538</b>

**1 SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
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**SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
**FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		

**SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION  
FOR OVERSEAS CONTINGENCY OPERATIONS  
(In Thousands of Dollars)**

<b>Line</b>	<b>Program Element</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
56	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING .....	1,000	1,000
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
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>28,500</b>	<b>28,500</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
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
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>236,863</b>	<b>236,863</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
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
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.</b>	<b>59,741</b>	<b>59,741</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY.</b>	<b>325,104</b>	<b>325,104</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
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
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>33,300</b>	<b>33,300</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
149	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL) .....	1,100	1,100
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>1,100</b>	<b>1,100</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
236	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS .....	16,130	16,130
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.</b>	<b>133,412</b>	<b>133,412</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY.</b>	<b>167,812</b>	<b>167,812</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
65	1206438F	SPACE CONTROL TECHNOLOGY .....	1,100	1,100
70	1206857F	OPERATIONALLY RESPONSIVE SPACE .....	12,395	12,395
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>13,495</b>	<b>13,495</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
	9999999999	CLASSIFIED PROGRAMS .....	188,127	188,127
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

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION  
FOR OVERSEAS CONTINGENCY OPERATIONS  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Senate Authorized
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.</b>	<b>300,776</b>	<b>300,776</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF.</b>	<b>314,271</b>	<b>314,271</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW ADVANCED TECHNOLOGY DEVELOPMENT</b>		
24	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT .....	25,000	25,000
26	0603134BR	COUNTER IMPROVISED-THREAT SIMULATION .....	13,648	13,648
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>38,648</b>	<b>38,648</b>
		<b>ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES</b>		
94	0604134BR	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.	242,668	242,668
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES.</b>	<b>242,668</b>	<b>242,668</b>
	9999999999	CLASSIFIED PROGRAMS .....	192,131	192,131
		<b>OPERATIONAL SYSTEM DEVELOPMENT</b>		
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
		<b>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT</b>	<b>219,228</b>	<b>219,228</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW.</b>	<b>500,544</b>	<b>500,544</b>
		<b>TOTAL RDT&amp;E .....</b>	<b>1,307,731</b>	<b>1,307,731</b>

1 **TITLE XLIII—OPERATION AND**  
2 **MAINTENANCE**  
3 **SEC. 4301. OPERATION AND MAINTENANCE.**

SEC. 4301. OPERATION AND MAINTENANCE  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	<b>OPERATION &amp; MAINTENANCE, ARMY</b>		
	<b>OPERATING FORCES</b>		
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
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>25,905,788</b>	<b>25,920,088</b>

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
<b>MOBILIZATION</b>			
220	STRATEGIC MOBILITY .....	370,941	370,941
230	ARMY PREPOSITIONED STOCKS .....	573,560	573,560
240	INDUSTRIAL PREPAREDNESS .....	7,678	7,678
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>952,179</b>	<b>952,179</b>
<b>TRAINING AND RECRUITING</b>			
250	OFFICER ACQUISITION .....	135,832	135,832
260	RECRUIT TRAINING .....	54,819	54,819
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
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>5,141,369</b>	<b>4,941,369</b>
	CLASSIFIED PROGRAMS .....	1,259,622	1,259,622
<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>			
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
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>10,009,981</b>	<b>10,009,981</b>
<b>UNDISTRIBUTED</b>			
1	UNDISTRIBUTED .....	0	-200,000
	Army misrepresentation of civilian pay budget request .....		[-200,000]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>-200,000</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY .....</b>	<b>42,009,317</b>	<b>41,623,617</b>
<b>OPERATION &amp; MAINTENANCE, ARMY RES</b>			
<b>OPERATING FORCES</b>			
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
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>2,797,361</b>	<b>2,797,361</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
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

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>119,548</b>	<b>119,548</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES</b>	<b>2,916,909</b>	<b>2,916,909</b>
	<b>OPERATION &amp; MAINTENANCE, ARNG</b>		
	<b>OPERATING FORCES</b>		
010	MANEUVER UNITS .....	810,269	810,269
020	MODULAR SUPPORT BRIGADES .....	193,402	193,402
030	ECHELONS ABOVE BRIGADE .....	753,815	753,815
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 & MOD- ERNIZATION .....	919,947	919,947
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	1,010,524	1,010,524
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>6,964,850</b>	<b>6,964,850</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
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
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>434,445</b>	<b>434,445</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARNG .....</b>	<b>7,399,295</b>	<b>7,399,295</b>
	<b>OPERATION &amp; MAINTENANCE, NAVY</b>		
	<b>OPERATING FORCES</b>		
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 WAR- FARE .....	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
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>41,725,992</b>	<b>42,088,692</b>
	<b>MOBILIZATION</b>		

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
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
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>1,165,532</b>	<b>1,165,532</b>
	<b>TRAINING AND RECRUITING</b>		
400	OFFICER ACQUISITION .....	145,481	145,481
410	RECRUIT TRAINING .....	9,637	9,637
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
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>1,995,288</b>	<b>1,995,288</b>
	CLASSIFIED PROGRAMS .....	574,994	574,994
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
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
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>4,116,821</b>	<b>4,116,821</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY .....</b>	<b>49,003,633</b>	<b>49,366,333</b>
	<b>OPERATION &amp; MAINTENANCE, MARINE CORPS OPERATING FORCES</b>		
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
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>5,547,397</b>	<b>5,547,397</b>
	<b>TRAINING AND RECRUITING</b>		
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
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>818,144</b>	<b>818,144</b>
	CLASSIFIED PROGRAMS .....	50,859	50,859
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
160	SERVICEWIDE TRANSPORTATION .....	29,735	29,735
170	ADMINISTRATION .....	386,375	386,375
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>466,969</b>	<b>466,969</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MARINE CORPS .....</b>	<b>6,832,510</b>	<b>6,832,510</b>
	<b>OPERATION &amp; MAINTENANCE, NAVY RES OPERATING FORCES</b>		
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

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
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
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>1,009,112</b>	<b>1,009,112</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
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
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>17,894</b>	<b>17,894</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES</b>	<b>1,027,006</b>	<b>1,027,006</b>
	<b>OPERATION &amp; MAINTENANCE, MC RESERVE OPERATING FORCES</b>		
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
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>260,394</b>	<b>260,394</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
050	ADMINISTRATION .....	11,176	11,176
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>11,176</b>	<b>11,176</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MC RESERVE .....</b>	<b>271,570</b>	<b>271,570</b>
	<b>OPERATION &amp; MAINTENANCE, AIR FORCE</b>		
	CLASSIFIED PROGRAMS .....	1,164,810	1,164,810
	<b>OPERATING FORCES</b>		
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]
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>33,797,280</b>	<b>34,699,980</b>
	<b>MOBILIZATION</b>		
230	AIRLIFT OPERATIONS .....	1,307,695	1,307,695
240	MOBILIZATION PREPAREDNESS .....	144,417	144,417

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
	<b>SUBTOTAL MOBILIZATION</b> .....	<b>1,452,112</b>	<b>1,452,112</b>
	<b>TRAINING AND RECRUITING</b>		
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
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
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>2,178,214</b>	<b>2,178,214</b>
	CLASSIFIED PROGRAMS .....	1,222,456	1,222,456
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
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
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>4,632,962</b>	<b>4,632,962</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE</b>	<b>42,060,568</b>	<b>42,963,268</b>
	<b>OPERATION &amp; MAINTENANCE, AF RESERVE OPERATING FORCES</b>		
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
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>3,152,279</b>	<b>3,207,079</b>
	<b>ADMINISTRATION AND SERVICEWIDE ACTIVITIES</b>		
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
	<b>SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES</b> .....	<b>107,955</b>	<b>107,955</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE</b> .....	<b>3,260,234</b>	<b>3,315,034</b>
	<b>OPERATION &amp; MAINTENANCE, ANG OPERATING FORCES</b>		
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]



SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Senate Authorized
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>6,345,376</b>	<b>6,357,976</b>
	<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>		
070	ADMINISTRATION .....	45,711	45,711
080	RECRUITING AND ADVERTISING .....	36,535	36,535
	<b>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b> .....	<b>82,246</b>	<b>82,246</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ANG</b> .....	<b>6,427,622</b>	<b>6,440,222</b>
	<b>OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES</b>		
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
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>6,421,651</b>	<b>6,424,151</b>
	<b>TRAINING AND RECRUITING</b>		
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
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>648,749</b>	<b>648,749</b>
	CLASSIFIED PROGRAMS .....	15,645,192	15,645,192
	<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>		
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
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES</b> .....	<b>29,282,225</b>	<b>29,441,825</b>
	<b>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE</b> .....	<b>36,352,625</b>	<b>36,514,725</b>
	<b>MISCELLANEOUS APPROPRIATIONS</b>		
	<b>US COURT OF APPEALS FOR ARMED FORCES, DEF</b>		
010	US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE .....	14,662	14,662

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Senate Authorized
	<b>SUBTOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF</b> .....	<b>14,662</b>	<b>14,662</b>
	<b>OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID</b>		
010	OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID ...	107,663	107,663
	<b>SUBTOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID</b> .....	<b>107,663</b>	<b>107,663</b>
	<b>COOPERATIVE THREAT REDUCTION ACCOUNT</b>		
010	FORMER SOVIET UNION (FSU) THREAT REDUCTION .....	335,240	335,240
	<b>SUBTOTAL COOPERATIVE THREAT REDUCTION ACCOUNT</b> .....	<b>335,240</b>	<b>335,240</b>
	<b>DOD ACQUISITION WORKFORCE DEVELOPMENT FUND</b>		
010	ACQ WORKFORCE DEV FD .....	400,000	400,000
	<b>SUBTOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND</b> .....	<b>400,000</b>	<b>400,000</b>
	<b>ENVIRONMENTAL RESTORATION, ARMY</b>		
060	ENVIRONMENTAL RESTORATION, ARMY .....	203,449	203,449
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION, ARMY</b> .....	<b>203,449</b>	<b>203,449</b>
	<b>ENVIRONMENTAL RESTORATION, NAVY</b>		
080	ENVIRONMENTAL RESTORATION, NAVY .....	329,253	329,253
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION, NAVY</b> .....	<b>329,253</b>	<b>329,253</b>
	<b>ENVIRONMENTAL RESTORATION, AIR FORCE</b>		
100	ENVIRONMENTAL RESTORATION, AIR FORCE .....	296,808	285,808
	PFAS Transfer .....		[-11,000]
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION, AIR FORCE</b> .....	<b>296,808</b>	<b>285,808</b>
	<b>ENVIRONMENTAL RESTORATION, DEFENSE</b>		
120	ENVIRONMENTAL RESTORATION, DEFENSE .....	8,926	8,926
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION, DEFENSE</b> .....	<b>8,926</b>	<b>8,926</b>
	<b>ENVIRONMENTAL RESTORATION FORMERLY USED SITES</b>		
140	ENVIRONMENTAL RESTORATION FORMERLY USED SITES .....	212,346	212,346
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION FORMERLY USED SITES</b> .....	<b>212,346</b>	<b>212,346</b>
	<b>TOTAL MISCELLANEOUS APPROPRIATIONS</b> .....	<b>1,908,347</b>	<b>1,897,347</b>
	<b>UNDISTRIBUTED</b>		
	<b>UNDISTRIBUTED</b>		
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]
	<b>SUBTOTAL UNDISTRIBUTED</b> .....	<b>0</b>	<b>-216,520</b>
	<b>TOTAL UNDISTRIBUTED</b> .....	<b>0</b>	<b>-216,520</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE</b> .....	<b>199,469,636</b>	<b>200,351,316</b>

## 1 SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS

## 2 CONTINGENCY OPERATIONS.

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Senate Authorized
<b>OPERATION &amp; MAINTENANCE, ARMY</b>			
<b>OPERATING FORCES</b>			
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 & MOD- ERNIZATION .....	60,807	60,807
140	ADDITIONAL ACTIVITIES .....	5,992,222	5,992,222
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
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>15,876,377</b>	<b>15,876,377</b>
<b>MOBILIZATION</b>			
230	ARMY PREPOSITIONED STOCKS .....	158,753	158,753
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>158,753</b>	<b>158,753</b>
	CLASSIFIED PROGRAMS .....	1,074,270	1,074,270
<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>			
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
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>2,175,370</b>	<b>2,175,370</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY .....</b>	<b>18,210,500</b>	<b>18,210,500</b>
<b>OPERATION &amp; MAINTENANCE, ARMY RES</b>			
<b>OPERATING FORCES</b>			
020	ECHELONS ABOVE BRIGADE .....	20,700	20,700
060	FORCE READINESS OPERATIONS SUPPORT .....	700	700
090	BASE OPERATIONS SUPPORT .....	20,487	20,487
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>41,887</b>	<b>41,887</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES ..</b>	<b>41,887</b>	<b>41,887</b>
<b>OPERATION &amp; MAINTENANCE, ARNG</b>			
<b>OPERATING FORCES</b>			
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
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>109,974</b>	<b>109,974</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
150	SERVICEWIDE COMMUNICATIONS .....	755	755
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>755</b>	<b>755</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARNG .....</b>	<b>110,729</b>	<b>110,729</b>
<b>AFGHANISTAN SECURITY FORCES FUND</b>			

**SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
<b>AFGHAN NATIONAL ARMY</b>			
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
	<b>SUBTOTAL AFGHAN NATIONAL ARMY .....</b>	<b>1,908,277</b>	<b>1,908,277</b>
<b>AFGHAN NATIONAL POLICE</b>			
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
	<b>SUBTOTAL AFGHAN NATIONAL POLICE .....</b>	<b>767,014</b>	<b>767,014</b>
<b>AFGHAN AIR FORCE</b>			
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
	<b>SUBTOTAL AFGHAN AIR FORCE .....</b>	<b>1,822,130</b>	<b>1,822,130</b>
<b>AFGHAN SPECIAL SECURITY FORCES</b>			
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
	<b>SUBTOTAL AFGHAN SPECIAL SECURITY FORCES ..</b>	<b>702,029</b>	<b>702,029</b>
	<b>TOTAL AFGHANISTAN SECURITY FORCES FUND ....</b>	<b>5,199,450</b>	<b>5,199,450</b>
<b>OPERATION &amp; MAINTENANCE, NAVY OPERATING FORCES</b>			
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
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>4,418,623</b>	<b>4,418,623</b>
<b>MOBILIZATION</b>			
370	EXPEDITIONARY HEALTH SERVICES SYSTEMS .....	12,902	12,902
390	COAST GUARD SUPPORT .....	165,000	165,000
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>177,902</b>	<b>177,902</b>
<b>TRAINING AND RECRUITING</b>			
430	SPECIALIZED SKILL TRAINING .....	51,138	51,138
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>51,138</b>	<b>51,138</b>
	CLASSIFIED PROGRAMS .....	16,076	16,076
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
510	ADMINISTRATION .....	4,145	4,145
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT .....	7,503	7,503
580	SERVICEWIDE TRANSPORTATION .....	69,297	69,297

**SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
610	ACQUISITION, LOGISTICS, AND OVERSIGHT .....	10,912	10,912
650	INVESTIGATIVE AND SECURITY SERVICES .....	1,559	1,559
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>109,492</b>	<b>109,492</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY .....</b>	<b>4,757,155</b>	<b>4,757,155</b>
	<b>OPERATION &amp; MAINTENANCE, MARINE CORPS</b>		
	<b>OPERATING FORCES</b>		
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
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>1,023,283</b>	<b>1,023,283</b>
	<b>TRAINING AND RECRUITING</b>		
120	TRAINING SUPPORT .....	30,459	30,459
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>30,459</b>	<b>30,459</b>
	CLASSIFIED PROGRAMS .....	4,650	4,650
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
160	SERVICEWIDE TRANSPORTATION .....	61,400	61,400
170	ADMINISTRATION .....	2,108	2,108
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>68,158</b>	<b>68,158</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MARINE CORPS .....</b>	<b>1,121,900</b>	<b>1,121,900</b>
	<b>OPERATION &amp; MAINTENANCE, NAVY RES</b>		
	<b>OPERATING FORCES</b>		
020	INTERMEDIATE MAINTENANCE .....	500	500
030	AIRCRAFT DEPOT MAINTENANCE .....	11,400	11,400
080	COMBAT SUPPORT FORCES .....	13,737	13,737
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>25,637</b>	<b>25,637</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES ...</b>	<b>25,637</b>	<b>25,637</b>
	<b>OPERATION &amp; MAINTENANCE, MC RESERVE</b>		
	<b>OPERATING FORCES</b>		
010	OPERATING FORCES .....	2,550	2,550
040	BASE OPERATING SUPPORT .....	795	795
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>3,345</b>	<b>3,345</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MC RE-SERVE .....</b>	<b>3,345</b>	<b>3,345</b>
	<b>OPERATION &amp; MAINTENANCE, AIR FORCE</b>		
	<b>OPERATING FORCES</b>		
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 & MOD-ERNIZATION .....	92,412	92,412
060	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUP-PORT .....	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
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>7,408,887</b>	<b>7,408,887</b>

**SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
	<b>MOBILIZATION</b>		
230	AIRLIFT OPERATIONS .....	1,287,659	1,287,659
240	MOBILIZATION PREPAREDNESS .....	107,064	107,064
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>1,394,723</b>	<b>1,394,723</b>
	<b>TRAINING AND RECRUITING</b>		
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
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>29,330</b>	<b>29,330</b>
	CLASSIFIED PROGRAMS .....	51,108	51,108
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
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
540	INTERNATIONAL SUPPORT .....	240	240
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>452,849</b>	<b>452,849</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE</b>	<b>9,285,789</b>	<b>9,285,789</b>
	<b>OPERATION &amp; MAINTENANCE, AF RESERVE OPERATING FORCES</b>		
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	51,000	51,000
060	BASE SUPPORT .....	9,500	9,500
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>60,500</b>	<b>60,500</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE .....</b>	<b>60,500</b>	<b>60,500</b>
	<b>OPERATION &amp; MAINTENANCE, ANG OPERATING FORCES</b>		
020	MISSION SUPPORT OPERATIONS .....	3,560	3,560
060	BASE SUPPORT .....	12,310	12,310
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>15,870</b>	<b>15,870</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ANG .....</b>	<b>15,870</b>	<b>15,870</b>
	<b>OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES</b>		
010	JOINT CHIEFS OF STAFF .....	28,671	28,671
040	SPECIAL OPERATIONS COMMAND/OPERATING FORCES ....	3,733,161	3,733,161
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>3,761,832</b>	<b>3,761,832</b>
	CLASSIFIED PROGRAMS .....	1,944,813	1,944,813
	<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>		
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
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>4,788,076</b>	<b>4,238,076</b>
	<b>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE .....</b>	<b>8,549,908</b>	<b>7,999,908</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE .....</b>	<b>47,382,670</b>	<b>46,832,670</b>

1 **TITLE XLIV—MILITARY**  
 2 **PERSONNEL**

3 **SEC. 4401. MILITARY PERSONNEL.**

SEC. 4401. MILITARY PERSONNEL (In Thousands of Dollars)		
Item	FY 2019 Request	Senate Authorized
<b>MILITARY PERSONNEL</b>		
<b>MILITARY PERSONNEL APPROPRIATIONS</b>		
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]
<b>SUBTOTAL MILITARY PERSONNEL APPROPRIATIONS .....</b>	<b>140,689,301</b>	<b>137,627,221</b>
<b>MEDICARE-ELIGIBLE RETIREE HEALTH FUND CONTRIBUTIONS</b>		
MEDICARE-ELIGIBLE RETIREE HEALTH FUND CONTRIBUTIONS .....	7,533,090	7,533,090
<b>SUBTOTAL MEDICARE-ELIGIBLE RETIREE HEALTH FUND CONTRIBUTIONS .....</b>	<b>7,533,090</b>	<b>7,533,090</b>
<b>TOTAL MILITARY PERSONNEL .....</b>	<b>148,222,391</b>	<b>145,160,311</b>

4 **SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTIN-**  
 5 **GENCY OPERATIONS.**

SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)		
Item	FY 2019 Request	Senate Authorized
<b>MILITARY PERSONNEL</b>		
<b>MILITARY PERSONNEL APPROPRIATIONS</b>		
MILITARY PERSONNEL APPROPRIATIONS .....	4,660,661	4,660,661
<b>SUBTOTAL MILITARY PERSONNEL APPROPRIATIONS .....</b>	<b>4,660,661</b>	<b>4,660,661</b>
<b>TOTAL MILITARY PERSONNEL .....</b>	<b>4,660,661</b>	<b>4,660,661</b>

6 **TITLE XLV—OTHER**  
 7 **AUTHORIZATIONS**

8 **SEC. 4501. OTHER AUTHORIZATIONS.**

SEC. 4501. OTHER AUTHORIZATIONS (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Senate Authorized
<b>WORKING CAPITAL FUND</b>			
<b>WORKING CAPITAL FUND, ARMY</b>			
010	Industrial Operations .....	59,002	59,002
020	Supply Management—Army .....	99,763	99,763

SEC. 4501. OTHER AUTHORIZATIONS (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Senate Authorized
	<b>SUBTOTAL WORKING CAPITAL FUND, ARMY .....</b>	<b>59,002</b>	<b>59,002</b>
	<b>SUBTOTAL WORKING CAPITAL FUND, ARMY .....</b>	<b>99,763</b>	<b>99,763</b>
	<b>WORKING CAPITAL FUND, AIR FORCE</b>		
020	Supplies and Materials .....	69,054	69,054
	<b>SUBTOTAL WORKING CAPITAL FUND, AIR FORCE .....</b>	<b>69,054</b>	<b>69,054</b>
	<b>WORKING CAPITAL FUND, DEFENSE-WIDE</b>		
020	Supply Chain Management—Def .....	48,096	48,096
	<b>SUBTOTAL WORKING CAPITAL FUND, DEFENSE-WIDE</b>	<b>48,096</b>	<b>48,096</b>
	<b>WORKING CAPITAL FUND, DECA</b>		
010	Working Capital Fund, DECA .....	1,266,200	1,266,200
	<b>SUBTOTAL WORKING CAPITAL FUND, DECA .....</b>	<b>1,266,200</b>	<b>1,266,200</b>
	<b>TOTAL WORKING CAPITAL FUND .....</b>	<b>1,542,115</b>	<b>1,542,115</b>
	<b>CHEM AGENTS &amp; MUNITIONS DESTRUCTION OPERATION AND MAINTENANCE</b>		
1	Chem Demilitarization—O&M .....	105,997	105,997
	<b>SUBTOTAL OPERATION AND MAINTENANCE .....</b>	<b>105,997</b>	<b>105,997</b>
	<b>RESEARCH, DEVELOPMENT, TEST, AND EVALUATION</b>		
2	Chem Demilitarization—RDT&E .....	886,728	886,728
	<b>SUBTOTAL RESEARCH, DEVELOPMENT, TEST, AND EVALUATION .....</b>	<b>886,728</b>	<b>886,728</b>
	<b>PROCUREMENT</b>		
3	Chem Demilitarization—Proc .....	1,091	1,091
	<b>SUBTOTAL PROCUREMENT .....</b>	<b>1,091</b>	<b>1,091</b>
	<b>TOTAL CHEM AGENTS &amp; MUNITIONS DESTRUCTION ....</b>	<b>993,816</b>	<b>993,816</b>
	<b>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF DRUG INTERDICTION AND COUNTER DRUG ACTIVI- TIES</b>		
010	Drug Interdiction and Counter-Drug Activities, Defense .....	547,171	547,171
	<b>SUBTOTAL DRUG INTERDICTION AND COUNTER DRUG ACTIVITIES .....</b>	<b>547,171</b>	<b>547,171</b>
	<b>DRUG DEMAND REDUCTION PROGRAM</b>		
020	Drug Demand Reduction Program .....	117,900	117,900
	<b>SUBTOTAL DRUG DEMAND REDUCTION PROGRAM .....</b>	<b>117,900</b>	<b>117,900</b>
	<b>READINESS COUNTERDRUG ACTIVITIES</b>		
040	Drug Interdiction and Counter-Drug Activities, Defense .....	5,276	5,276
	<b>SUBTOTAL READINESS COUNTERDRUG ACTIVITIES ....</b>	<b>5,276</b>	<b>5,276</b>
	<b>NATIONAL GUARD COUNTER-DRUG PROGRAM</b>		
030	National Guard Counter-Drug Program .....	117,178	117,178
	<b>SUBTOTAL NATIONAL GUARD COUNTER-DRUG PRO- GRAM .....</b>	<b>117,178</b>	<b>117,178</b>
	<b>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVI- TIES, DEF .....</b>	<b>787,525</b>	<b>787,525</b>
	<b>OFFICE OF THE INSPECTOR GENERAL OPERATION AND MAINTENANCE</b>		
010	Office of the Inspector General .....	327,611	327,611
	<b>SUBTOTAL OPERATION AND MAINTENANCE .....</b>	<b>327,611</b>	<b>327,611</b>
	<b>RDT&amp;E</b>		
020	Office of the Inspector General .....	1,602	1,602
	<b>SUBTOTAL RDT&amp;E .....</b>	<b>1,602</b>	<b>1,602</b>
	<b>PROCUREMENT</b>		
030	Office of the Inspector General .....	60	60
	<b>SUBTOTAL PROCUREMENT .....</b>	<b>60</b>	<b>60</b>
	<b>TOTAL OFFICE OF THE INSPECTOR GENERAL .....</b>	<b>329,273</b>	<b>329,273</b>



**SEC. 4501. OTHER AUTHORIZATIONS**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
<b>DEFENSE HEALTH PROGRAM</b>			
<b>OPERATION &amp; MAINTENANCE</b>			
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
	<b>SUBTOTAL OPERATION &amp; MAINTENANCE</b> .....	<b>32,145,395</b>	<b>32,147,895</b>
<b>RDT&amp;E</b>			
080	R&D Research .....	11,386	11,386
090	R&D Exploratory Development .....	75,010	75,010
100	R&D Advanced Development .....	275,258	275,258
110	R&D Demonstration/Validation .....	117,529	117,529
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
	<b>SUBTOTAL RDT&amp;E</b> .....	<b>710,637</b>	<b>710,637</b>
<b>PROCUREMENT</b>			
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
	<b>SUBTOTAL PROCUREMENT</b> .....	<b>873,160</b>	<b>873,160</b>
	<b>TOTAL DEFENSE HEALTH PROGRAM</b> .....	<b>33,729,192</b>	<b>33,731,692</b>
	<b>TOTAL OTHER AUTHORIZATIONS</b> .....	<b>37,381,921</b>	<b>37,384,421</b>

**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
<b>WORKING CAPITAL FUND</b>			
<b>WORKING CAPITAL FUND, ARMY</b>			
020	Supply Management—Army .....	6,600	6,600
	<b>SUBTOTAL WORKING CAPITAL FUND, ARMY</b> .....	<b>6,600</b>	<b>6,600</b>
<b>WORKING CAPITAL FUND, AIR FORCE</b>			
020	Supplies and Materials .....	8,590	8,590
	<b>SUBTOTAL WORKING CAPITAL FUND, AIR FORCE</b> .....	<b>8,590</b>	<b>8,590</b>
	<b>TOTAL WORKING CAPITAL FUND</b> .....	<b>15,190</b>	<b>15,190</b>
<b>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</b>			
<b>DRUG INTERDICTION AND COUNTER DRUG ACTIVITIES</b>			
010	Drug Interdiction and Counter-Drug Activities, Defense .....	153,100	153,100
	<b>SUBTOTAL DRUG INTERDICTION AND COUNTER DRUG ACTIVITIES</b> .....	<b>153,100</b>	<b>153,100</b>
	<b>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</b> .....	<b>153,100</b>	<b>153,100</b>
<b>OFFICE OF THE INSPECTOR GENERAL</b>			
<b>OPERATION AND MAINTENANCE</b>			
010	Office of the Inspector General .....	24,692	24,692
	<b>SUBTOTAL OPERATION AND MAINTENANCE</b> .....	<b>24,692</b>	<b>24,692</b>

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Senate Authorized
<b>TOTAL OFFICE OF THE INSPECTOR GENERAL .....</b>		<b>24,692</b>	<b>24,692</b>
<b>DEFENSE HEALTH PROGRAM OPERATION &amp; MAINTENANCE</b>			
010	In-House Care .....	72,627	72,627
020	Private Sector Care .....	277,066	277,066
030	Consolidated Health Support .....	2,375	2,375
<b>SUBTOTAL OPERATION &amp; MAINTENANCE .....</b>		<b>352,068</b>	<b>352,068</b>
<b>TOTAL DEFENSE HEALTH PROGRAM .....</b>		<b>352,068</b>	<b>352,068</b>
<b>COUNTER-ISIS TRAIN AND EQUIP FUND COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF)</b>			
010	IRAQ .....	850,000	850,000
020	SYRIA .....	300,000	300,000
030	Other .....	250,000	250,000
<b>SUBTOTAL COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF) .....</b>		<b>1,400,000</b>	<b>1,400,000</b>
<b>TOTAL COUNTER-ISIS TRAIN AND EQUIP FUND .....</b>		<b>1,400,000</b>	<b>1,400,000</b>
<b>TOTAL OTHER AUTHORIZATIONS .....</b>		<b>1,945,050</b>	<b>1,945,050</b>

1 **TITLE XLVI—MILITARY**  
2 **CONSTRUCTION**

3 **SEC. 4601. MILITARY CONSTRUCTION.**

SEC. 4601. MILITARY CONSTRUCTION  
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Senate Authorized
<b>MILITARY CONSTRUCTION</b>				
<b>ARMY</b>				
	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	Mission Training Complex .....	31,000	31,000
	Grafenwoehr			
	Hawaii			
ARMY	Fort Shafter	Command and Control Facility, Iner 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

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
ARMY	West Point Military Reservation	Parking Structure .....	65,000	65,000
ARMY	North Carolina Fort Bragg	Dining Facility .....	10,000	10,000
ARMY	South Carolina Fort Jackson	Trainee Barracks Complex 3, PH2 .....	52,000	52,000
ARMY	Texas Fort Bliss	Supply Support Activity .....	24,000	24,000
ARMY	Fort Hood	Supply Support Activity .....	0	9,600
ARMY	Virginia Arlington National Cemetery	Arlington National Cemetery Southern Expansion.	0	30,000
ARMY	Worldwide Unspecified 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
<b>SUBTOTAL ARMY</b> .....			<b>1,011,768</b>	<b>1,119,368</b>
<b>NAVY</b>				
NAVY	Arizona Camp Navajo	Missile Motor Magazines and U&SI .....	0	14,800
NAVY	Bahamas Andros Island	AUTEC Austere Quarters .....	31,050	31,050
NAVY	Bahrain Island SW Asia	Fleet Maintenance Facility & TOC .....	26,340	26,340
NAVY	California 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
NAVY	District of Columbia Naval Observatory	Master Time Clocks & Operations Facility .....	115,600	115,600
NAVY	Florida 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
NAVY	Georgia MCLB Albany	Welding and Body Repair Shop Facility .....	0	31,900
NAVY	Germany Panzer Kaserne	Marforeur HQ Modernization and Expansion	43,950	43,950
NAVY	Guam 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
NAVY	Guantanamo Bay, Cuba Guantanamo Bay	Solid Waste Management Facility .....	85,000	85,000
NAVY	Hawaii 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
NAVY	Japan Kadena AB	Tactical Operations Center .....	9,049	9,049
NAVY	Maine Kittery	Extend Portal Crane Rail .....	39,725	39,725
NAVY	Kittery	Dry Dock #1 Superflood Basin .....	109,960	109,960
NAVY	Mississippi Naval Construction Battalion Center	Expeditionary Combat Skills Student Berthing	0	22,300

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Senate Authorized
	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
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
<b>SUBTOTAL NAVY .....</b>			<b>2,543,189</b>	<b>2,572,752</b>
<b>AIR FORCE</b>				
	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-Linear 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

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<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2019 Request</b>	<b>Senate Authorized</b>
AIR FORCE	North Dakota Minot AFB	Consolidated Helo/TRF Ops/AMU and Alert Fac.	66,000	66,000
AIR FORCE	Ohio Wright-Patterson AFB	ADAL Intelligence Production Complex (NASIC).	116,100	116,100
AIR FORCE	Oklahoma 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
AIR FORCE	Qatar Al Udeid	Personnel Deployment Processing Facility .....	40,000	40,000
AIR FORCE	Al Udeid	Flightline Support Facilities .....	30,400	30,400
AIR FORCE	South Carolina Shaw AFB	CPIP MQ-9 MCE Group .....	53,000	53,000
AIR FORCE	Texas Joint Base San Antonio-Lackland	BMT Recruit Dormitory 6 .....	25,000	25,000
AIR FORCE	United Kingdom 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
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
AIR FORCE	Utah Hill AFB	Composite Aircraft Antenna Calibration Fac ..	0	26,000
AIR FORCE	Washington White Bluff	ADAL JPRA C2 Mission Support Facility .....	0	14,000
AIR FORCE	Worldwide Classified Classified Location	TACMOR—Utilities and Infrastructure Support.	18,000	18,000
AIR FORCE	Worldwide Unspecified 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
<b>SUBTOTAL AIR FORCE .....</b>			<b>1,725,707</b>	<b>1,752,157</b>
<b>DEFENSE-WIDE</b>				
DEFENSE-WIDE	Alabama Anniston Army Depot	Install microgrid .....	0	20,000
DEFENSE-WIDE	Alaska Clear AFS	Long Range Diserim 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
DEFENSE-WIDE	Arkansas Little Rock AFB	Hydrant Fuel System Alterations .....	14,000	14,000
DEFENSE-WIDE	Belgium U.S. Army Garrison Benelux (Chievres)	Europe West District Superintendent's Office	14,305	14,305
DEFENSE-WIDE	California 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
DEFENSE-WIDE	Colorado Fort Carson	SOF Human Performance Training Center ...	15,297	15,297

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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 Bar-	Medical Center Replacement Inc. 8 .....	319,589	319,589
	racks			
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
	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 Facil- ity.	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. Com- plex.	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 Anto- nio-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 Distribution Sys- tem (FLEDS).	0	2,520

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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
DEFENSE-WIDE	Various Worldwide Locations	Unspecified Minor Construction .....	17,366	17,366
DEFENSE-WIDE	Various Worldwide Locations	Planning and Design .....	55,699	55,699
	<b>SUBTOTAL DEFENSE-WIDE</b> .....		<b>2,693,324</b>	<b>2,403,288</b>
<b>ARMY NATIONAL GUARD</b>				
	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			

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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
<b>SUBTOTAL ARMY NATIONAL GUARD .....</b>			<b>180,122</b>	<b>306,122</b>
<b>AIR NATIONAL GUARD</b>				
	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			
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
<b>SUBTOTAL AIR NATIONAL GUARD .....</b>			<b>129,126</b>	<b>183,126</b>
<b>ARMY RESERVE</b>				
	California			
ARMY RESERVE	Barstow	ECS Modified TEMP / 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
<b>SUBTOTAL ARMY RESERVE .....</b>			<b>64,919</b>	<b>64,919</b>
<b>NAVY RESERVE</b>				
	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
<b>SUBTOTAL NAVY RESERVE .....</b>			<b>43,065</b>	<b>43,065</b>
<b>AIR FORCE RESERVE</b>				
	Indiana			
AIR FORCE RESERVE	Grissom ARB	Aerial Port Facility .....	0	9,400



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AIR FORCE RE-SERVE	Grissom ARB	Add/Alter Aircraft Maintenance Hangar .....	12,100	12,100
	Minnesota			
AIR FORCE RE-SERVE	Minneapolis-St Paul IAP	Small Arms Range .....	9,000	9,000
	Mississippi			
AIR FORCE RE-SERVE	Keesler AFB	Aeromedical Staging Squadron Facility .....	4,550	4,550
	New York			
AIR FORCE RE-SERVE	Niagara Falls IAP	Physical Fitness Center .....	14,000	14,000
	Texas			
AIR FORCE RE-SERVE	Fort Worth	Munitions Training/Admin Facility .....	3,100	3,100
	Worldwide Unspecified			
AIR FORCE RE-SERVE	Unspecified Worldwide Locations	Planning and Design .....	0	5,000
AIR FORCE RE-SERVE	Unspecified Worldwide Locations	Planning & Design .....	4,055	4,055
AIR FORCE RE-SERVE	Unspecified Worldwide Locations	Unspecified Minor Construction .....	3,358	3,358
<b>SUBTOTAL AIR FORCE RESERVE .....</b>			<b>50,163</b>	<b>64,563</b>
<b>NATO SECURITY INVESTMENT PROGRAM</b>				
	Worldwide Unspecified			
NATO SECURITY INVESTMENT PROGRAM	NATO Security Investment Program	NATO Security Investment Program .....	171,064	171,064
<b>SUBTOTAL NATO SECURITY INVESTMENT PROGRAM .....</b>			<b>171,064</b>	<b>171,064</b>
<b>TOTAL MILITARY CONSTRUCTION .....</b>			<b>8,612,447</b>	<b>8,680,424</b>
<b>FAMILY HOUSING CONSTRUCTION, ARMY</b>				
	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 Iner 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
<b>SUBTOTAL CONSTRUCTION, ARMY .....</b>			<b>330,660</b>	<b>330,660</b>
<b>OPERATION AND MAINTENANCE, ARMY</b>				
	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

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OPERATION AND MAINTENANCE, ARMY	Unspecified Worldwide Locations	Leasing .....	161,252	161,252
OPERATION AND MAINTENANCE, ARMY	Unspecified Worldwide Locations	Housing Privatization Support .....	18,801	18,801
<b>SUBTOTAL OPERATION AND MAINTENANCE, ARMY .....</b>			<b>376,509</b>	<b>376,509</b>
<b>CONSTRUCTION, NAVY AND MARINE CORPS</b>				
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
<b>SUBTOTAL CONSTRUCTION, NAVY AND MARINE CORPS .....</b>			<b>104,581</b>	<b>104,581</b>
<b>OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS</b>				
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
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
<b>SUBTOTAL OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS .....</b>			<b>314,536</b>	<b>314,536</b>
<b>CONSTRUCTION, AIR FORCE</b>				
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
<b>SUBTOTAL CONSTRUCTION, AIR FORCE .....</b>			<b>78,446</b>	<b>78,446</b>
<b>OPERATION AND MAINTENANCE, AIR FORCE</b>				
Worldwide Unspecified				
OPERATION AND MAINTENANCE, AIR FORCE	Unspecified Worldwide Locations	Housing Privatization .....	22,205	22,205

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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
<b>SUBTOTAL OPERATION AND MAINTENANCE, AIR FORCE .....</b>			<b>317,274</b>	<b>317,274</b>
<b>OPERATION AND MAINTENANCE, DEFENSE-WIDE</b>				
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
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
<b>SUBTOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE .....</b>			<b>58,373</b>	<b>58,373</b>
<b>IMPROVEMENT FUND</b>				
Worldwide Unspecified				
IMPROVEMENT FUND	Unspecified Worldwide Locations	Administrative Expenses—FHIF .....	1,653	1,653
<b>SUBTOTAL IMPROVEMENT FUND .....</b>			<b>1,653</b>	<b>1,653</b>
<b>UNACCOMP HSG IMPRV FUND</b>				
Worldwide Unspecified				
UNACCOMP HSG IMPRV FUND	Unaccompanied Housing Improvement Fund	Administrative Expenses—UHIF .....	600	600

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Senate Authorized
<b>SUBTOTAL UNACCOMP HSG IMPRV FUND</b> .....			<b>600</b>	<b>600</b>
<b>TOTAL FAMILY HOUSING</b> .....			<b>1,582,632</b>	<b>1,582,632</b>
<b>DEFENSE BASE REALIGNMENT AND CLOSURE</b>				
<b>ARMY</b>				
ARMY	Worldwide Unspecified Base Realignment & Closure, Army	Base Realignment and Closure .....	62,796	62,796
<b>NAVY</b>				
NAVY	Worldwide Unspecified Unspecified Worldwide Locations	Base Realignment & Closure .....	151,839	151,839
<b>AIR FORCE</b>				
AIR FORCE	Worldwide Unspecified Unspecified Worldwide Locations	DoD BRAC Activities—Air Force .....	52,903	52,903
<b>TOTAL DEFENSE BASE REALIGNMENT AND CLOSURE</b> .....			<b>267,538</b>	<b>267,538</b>
<b>TOTAL MILITARY CONSTRUCTION, FAMILY HOUSING, AND BRAC</b> .....			<b>10,462,617</b>	<b>10,530,594</b>

**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
<b>MILITARY CONSTRUCTION</b>				
<b>ARMY</b>				
ARMY	Bulgaria Nevo Selo FOS	EDI: Ammunition Holding Area .....	5,200	5,200
ARMY	Guantanamo Bay, Cuba	OCO: High Value Detention Facility .....	69,000	0
ARMY	Poland 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
ARMY	Romania Mihail Kogalniceanu FOS	EDI: Explosives & Ammo Load/Unload Apron ..	21,651	21,651
ARMY	Worldwide Unspecified Unspecified Worldwide Locations	EDI: Planning and Design .....	20,999	20,999
<b>SUBTOTAL ARMY</b> .....			<b>261,250</b>	<b>192,250</b>
<b>NAVY</b>				
NAVY	Greece Souda Bay	EDI: Marathi Logistics Support Center .....	6,200	6,200
NAVY	Souda Bay	EDI: Joint Mobility Processing Center .....	41,650	41,650
NAVY	Italy Sigonella	EDI: P-8A Taxiway .....	66,050	66,050
NAVY	Spain Rota	EDI: Port Operations Facilities .....	21,590	21,590
NAVY	United Kingdom Lossiemouth	EDI: P-8 Base Improvements .....	79,130	79,130
NAVY	Worldwide Unspecified Unspecified Worldwide Locations	EDI: Planning and Design .....	12,700	12,700
<b>SUBTOTAL NAVY</b> .....			<b>227,320</b>	<b>227,320</b>

**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
<b>AIR FORCE</b>				
AIR FORCE	Germany Ramstein AB	EDI—KMC DABS-FEV/RH Storage Warehouses.	119,000	119,000
AIR FORCE	Norway Rygge AS	EDI—Construct Taxiway .....	13,800	13,800
AIR FORCE	Slovakia Malacky AB	EDI—Regional Munitions Storage Area .....	59,000	59,000
AIR FORCE	United Kingdom RAF Fairford	EDI—Construct DABS-FEV Storage .....	87,000	87,000
AIR FORCE	RAF Fairford	EDI—Munitions Holding Area .....	19,000	19,000
AIR FORCE	Worldwide Unspecified Unspecified Worldwide Locations	EDI—Planning & Design Funds .....	48,000	48,000
<b>SUBTOTAL AIR FORCE</b> .....			<b>345,800</b>	<b>345,800</b>
<b>DEFENSE-WIDE</b>				
DEFENSE-WIDE	Estonia Unspecified Estonia	EDI: SOF Training Facility .....	9,600	9,600
DEFENSE-WIDE	Unspecified Estonia	EDI: SOF Operations Facility .....	6,100	6,100
DEFENSE-WIDE	Qatar Al Udeid	OCO: Trans-Regional Logistics Complex .....	60,000	60,000
DEFENSE-WIDE	Worldwide Unspecified Unspecified Worldwide Locations	EDI: Planning and Design .....	7,100	7,100
DEFENSE-WIDE	Various Worldwide Locations	EDI: Planning and Design .....	4,250	4,250
<b>SUBTOTAL DEFENSE-WIDE</b> .....			<b>87,050</b>	<b>87,050</b>
<b>TOTAL MILITARY CONSTRUCTION</b> .....			<b>921,420</b>	<b>852,420</b>
<b>TOTAL MILITARY CONSTRUCTION, FAMILY HOUSING, AND BRAC</b> .....			<b>921,420</b>	<b>852,420</b>

1 **TITLE XLVII—DEPARTMENT OF**  
2 **ENERGY NATIONAL SECURITY**  
3 **PROGRAMS**

4 **SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY**  
5 **PROGRAMS.**

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2019 Request	Senate Authorized
<b>Discretionary Summary By Appropriation</b>		
<b>Energy And Water Development, And Related Agencies</b>		
<b>Appropriation Summary:</b>		
<b>Energy Programs</b>		
Nuclear Energy .....	136,090	136,090
<b>Atomic Energy Defense Activities</b>		
<b>National nuclear security administration:</b>		
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
<b>Total, National nuclear security administration</b> .....	<b>15,091,050</b>	<b>15,091,050</b>
<b>Environmental and other defense activities:</b>		
Defense environmental cleanup .....	5,630,217	5,630,217
Other defense activities .....	853,300	853,300
Defense nuclear waste disposal .....	30,000	0
<b>Total, Environmental &amp; other defense activities</b> .....	<b>6,513,517</b>	<b>6,483,517</b>

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2019 Request	Senate Authorized
<b>Total, Atomic Energy Defense Activities</b> .....	<b>21,604,567</b>	<b>21,574,567</b>
<b>Total, Discretionary Funding</b> .....	<b>21,740,657</b>	<b>21,710,657</b>
<b>Nuclear Energy</b>		
Idaho sitewide safeguards and security .....	136,090	136,090
<b>Total, Nuclear Energy</b> .....	<b>136,090</b>	<b>136,090</b>
<b>Weapons Activities</b>		
<b>Directed stockpile work</b>		
<b>Life extension programs and major alterations</b>		
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
<b>Total, Life extension programs and major alterations</b> .....	<b>1,919,988</b>	<b>1,919,988</b>
<b>Stockpile systems</b>		
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
<b>Total, Stockpile systems</b> .....	<b>619,482</b>	<b>619,482</b>
<b>Weapons dismantlement and disposition</b>		
Operations and maintenance .....	56,000	56,000
<b>Stockpile services</b>		
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
<b>Total, Stockpile services</b> .....	<b>1,068,363</b>	<b>1,068,363</b>
<b>Strategic materials</b>		
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
<b>Total, Strategic materials</b> .....	<b>1,002,372</b>	<b>1,002,372</b>
<b>Total, Directed stockpile work</b> .....	<b>4,666,205</b>	<b>4,666,205</b>
<b>Research, development, test and evaluation (RDT&amp;E)</b>		
<b>Science</b>		
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
<b>Total, Science</b> .....	<b>564,860</b>	<b>564,860</b>
<b>Engineering</b>		
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
<b>Total, Engineering</b> .....	<b>211,367</b>	<b>211,367</b>

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2019 Request	Senate Authorized
<b>Inertial confinement fusion ignition and high yield</b>		
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
<b>Total, Inertial confinement fusion and high yield .....</b>	<b>418,927</b>	<b>418,927</b>
<b>Advanced simulation and computing</b>		
Advanced simulation and computing .....	656,401	656,401
<b>Construction:</b>		
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
<b>Total, Construction .....</b>	<b>47,000</b>	<b>47,000</b>
<b>Total, Advanced simulation and computing .....</b>	<b>703,401</b>	<b>703,401</b>
<b>Advanced manufacturing</b>		
Additive manufacturing .....	17,447	17,447
Component manufacturing development .....	48,477	48,477
Process technology development .....	30,914	30,914
<b>Total, Advanced manufacturing .....</b>	<b>96,838</b>	<b>96,838</b>
<b>Total, RDT&amp;E .....</b>	<b>1,995,393</b>	<b>1,995,393</b>
<b>Infrastructure and operations</b>		
Operations of facilities .....	891,000	891,000
Safety and environmental operations .....	115,000	115,000
Maintenance and repair of facilities .....	365,000	365,000
<b>Recapitalization:</b>		
Infrastructure and safety .....	431,631	431,631
Capability based investments .....	109,057	109,057
<b>Total, Recapitalization .....</b>	<b>540,688</b>	<b>540,688</b>
<b>Program increase to address high-priority deferred maintenance</b>		
<b>Construction:</b>		
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
<b>Total, Construction .....</b>	<b>1,091,048</b>	<b>1,091,048</b>
<b>Total, Infrastructure and operations .....</b>	<b>3,002,736</b>	<b>3,002,736</b>
<b>Secure transportation asset</b>		
Operations and equipment .....	176,617	176,617
Program direction .....	102,022	102,022
<b>Total, Secure transportation asset .....</b>	<b>278,639</b>	<b>278,639</b>
<b>Defense nuclear security</b>		
Operations and maintenance .....	690,638	690,638
<b>Total, Defense nuclear security .....</b>	<b>690,638</b>	<b>690,638</b>
Information technology and cybersecurity .....	221,175	221,175
Legacy contractor pensions .....	162,292	162,292
<b>Total, Weapons Activities .....</b>	<b>11,017,078</b>	<b>11,017,078</b>
<b>Defense Nuclear Nonproliferation</b>		
<b>Defense Nuclear Nonproliferation Programs</b>		
<b>Global material security</b>		
International nuclear security .....	46,339	46,339
Domestic radiological security .....	90,764	90,764

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2019 Request	Senate Authorized
International radiological security .....	59,576	59,576
Nuclear smuggling detection and deterrence .....	140,429	140,429
<b>Total, Global material security .....</b>	<b>337,108</b>	<b>337,108</b>
<b>Material management and minimization</b>		
HEU reactor conversion .....	98,300	98,300
Nuclear material removal .....	32,925	32,925
Material disposition .....	200,869	200,869
<b>Total, Material management &amp; minimization .....</b>	<b>332,094</b>	<b>332,094</b>
Nonproliferation and arms control .....	129,703	129,703
Defense nuclear nonproliferation R&D .....	456,095	456,095
<b>Nonproliferation Construction:</b>		
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
<b>Total, Nonproliferation construction .....</b>	<b>279,000</b>	<b>279,000</b>
<b>Total, Defense Nuclear Nonproliferation Programs .....</b>	<b>1,534,000</b>	<b>1,534,000</b>
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
<b>Total, Defense Nuclear Nonproliferation .....</b>	<b>1,862,825</b>	<b>1,862,825</b>
<b>Naval Reactors</b>		
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, KS 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
<b>Total, Construction .....</b>	<b>311,194</b>	<b>311,194</b>
Program direction .....	48,709	48,709
<b>Total, Naval Reactors .....</b>	<b>1,788,618</b>	<b>1,788,618</b>
<b>Federal Salaries And Expenses</b>		
Program direction .....	422,529	422,529
<b>Total, Office Of The Administrator .....</b>	<b>422,529</b>	<b>422,529</b>
<b>Defense Environmental Cleanup</b>		
<b>Closure sites:</b>		
Closure sites administration .....	4,889	4,889
<b>Richland:</b>		
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
<b>Construction:</b>		
18-D-404 WESF Modifications and Capsule Storage .....	1,000	1,000
<b>Total, Construction .....</b>	<b>1,000</b>	<b>1,000</b>
<b>Total, Hanford site .....</b>	<b>658,171</b>	<b>658,171</b>
<b>Office of River Protection:</b>		
Waste Treatment Immobilization Plant Commissioning .....	15,000	15,000
Rad liquid tank waste stabilization and disposition .....	677,460	677,460
<b>Construction:</b>		
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
<b>Total, Construction .....</b>	<b>746,053</b>	<b>746,053</b>
<b>Total, Office of River protection .....</b>	<b>1,438,513</b>	<b>1,438,513</b>
<b>Idaho National Laboratory:</b>		
SNF stabilization and disposition—2012 .....	17,000	17,000
Solid waste stabilization and disposition .....	148,387	148,387



**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2019 Request	Senate Authorized
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
<b>Total, Idaho National Laboratory .....</b>	<b>349,226</b>	<b>349,226</b>
<b>NNSA sites and Nevada off-sites</b>		
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
<b>Total, NNSA sites and Nevada off-sites .....</b>	<b>271,069</b>	<b>271,069</b>
<b>Oak Ridge Reservation:</b>		
<b>OR Nuclear facility D &amp; D</b>		
OR-0041—D&D—Y-12 .....	30,214	30,214
OR-0042—D&D—ORNL .....	60,007	60,007
<b>Total, OR Nuclear facility D &amp; D .....</b>	<b>90,221</b>	<b>90,221</b>
U233 Disposition Program .....	45,000	45,000
<b>OR cleanup and waste disposition</b>		
OR cleanup and disposition .....	67,000	67,000
<b>Construction:</b>		
17-D-401 On-site waste disposal facility .....	5,000	5,000
14-D-403 Outfall 200 Mercury Treatment Facility .....	11,274	11,274
<b>Total, Construction .....</b>	<b>16,274</b>	<b>16,274</b>
<b>Total, OR cleanup and waste disposition .....</b>	<b>83,274</b>	<b>83,274</b>
OR community & regulatory support .....	4,711	4,711
OR technology development and deployment .....	3,000	3,000
<b>Total, Oak Ridge Reservation .....</b>	<b>226,206</b>	<b>226,206</b>
<b>Savannah River Sites:</b>		
Nuclear Material Management .....	351,331	351,331
<b>Environmental Cleanup</b>		
Environmental Cleanup .....	166,105	166,105
<b>Construction:</b>		
18-D-402, Emergency Operations Center .....	1,259	1,259
<b>Total, Environmental Cleanup .....</b>	<b>167,364</b>	<b>167,364</b>
SR community and regulatory support .....	4,749	4,749
Radioactive liquid tank waste stabilization and disposition .....	805,686	805,686
<b>Construction:</b>		
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
<b>Total, Construction .....</b>	<b>143,693</b>	<b>143,693</b>
<b>Total, Savannah River site .....</b>	<b>1,472,823</b>	<b>1,472,823</b>
<b>Waste Isolation Pilot Plant</b>		
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
<b>Construction:</b>		
15-D-411 Safety significant confinement ventilation system, WIPP .....	84,212	84,212
15-D-412 Exhaust shaft, WIPP .....	1,000	1,000
<b>Total, Construction .....</b>	<b>85,212</b>	<b>85,212</b>
<b>Total, Waste Isolation Pilot Plant .....</b>	<b>396,907</b>	<b>396,907</b>
Program direction .....	300,000	300,000
Program support .....	6,979	6,979
Minority Serving Institution Partnership .....	6,000	6,000
<b>Safeguards and Security</b>		
Oak Ridge Reservation .....	14,023	14,023
Paducah .....	15,577	15,577
Portsmouth .....	15,078	15,078
Richland/Hanford Site .....	86,686	86,686

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2019 Request	Senate Authorized
Savannah River Site .....	183,357	183,357
Waste Isolation Pilot Project .....	6,580	6,580
West Valley .....	3,133	3,133
<b>Total, Safeguards and Security .....</b>	<b>324,434</b>	<b>324,434</b>
Technology development .....	25,000	25,000
HQEF-0040—Excess Facilities .....	150,000	150,000
<b>Total, Defense Environmental Cleanup .....</b>	<b>5,630,217</b>	<b>5,630,217</b>
<b>Other Defense Activities</b>		
<b>Environment, health, safety and security</b>		
Environment, health, safety and security .....	135,194	135,194
Program direction .....	70,653	70,653
<b>Total, Environment, Health, safety and security .....</b>	<b>205,847</b>	<b>205,847</b>
<b>Independent enterprise assessments</b>		
Independent enterprise assessments .....	24,068	24,068
Program direction .....	52,702	52,702
<b>Total, Independent enterprise assessments .....</b>	<b>76,770</b>	<b>76,770</b>
Specialized security activities .....	254,378	254,378
<b>Office of Legacy Management</b>		
Legacy management .....	140,575	140,575
Program direction .....	18,302	18,302
<b>Total, Office of Legacy Management .....</b>	<b>158,877</b>	<b>158,877</b>
<b>Defense related administrative support</b>		
Chief financial officer .....	48,484	48,484
Chief information officer .....	96,793	96,793
Project management oversight and Assessments .....	8,412	8,412
<b>Total, Defense related administrative support .....</b>	<b>153,689</b>	<b>153,689</b>
Office of hearings and appeals .....	5,739	5,739
<b>Subtotal, Other defense activities .....</b>	<b>855,300</b>	<b>855,300</b>
Rescission of prior year balances (OHA) .....	-2,000	-2,000
<b>Total, Other Defense Activities .....</b>	<b>853,300</b>	<b>853,300</b>
<b>Defense Nuclear Waste Disposal</b>		
Yucca mountain and interim storage .....	30,000	0
Program cut .....		[-30,000]
<b>Total, Defense Nuclear Waste Disposal .....</b>	<b>30,000</b>	<b>0</b>



Calendar No. 439

115<sup>TH</sup> CONGRESS  
2<sup>D</sup> SESSION

**S. 2987**

[Report No. 115-262]

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## **A BILL**

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.

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JUNE 5, 2018

Read twice and placed on the calendar