June 19, 2018

Ordered to be printed as passed

In the Senate of the United States,
June 18, 2018.

Resolved, That the bill from the House of Representatives (H.R. 5515) entitled “An Act to authorize appropriations for fiscal year 2019 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes.”, do pass with the following

AMENDMENT:

Strike out all after the enacting clause and insert:

SECTION 1. SHORT TITLE.

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


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

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

(1) Division A—Department of Defense Authorizations.

(2) Division B—Military Construction Authorizations.

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

(4) Division D—Funding Tables.

(5) Division E—Additional Provisions.

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

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

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

Subtitle A—Authorization of Appropriations

Sec. 101. Authorization of appropriations.

Subtitle B—Army Programs

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

Subtitle C—Navy Programs

Sec. 121. Multiyear procurement authority for F/A–18E/F Super Hornet and EA–18G aircraft program.
Sec. 122. Multiyear procurement authority for E–2D Advanced Hawkeye (AHE) aircraft program.

Sec. 123. Extension of limitation on use of sole-source shipbuilding contracts for certain vessels.

Sec. 124. Prohibition on availability of funds for Navy port waterborne security barriers.


Sec. 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. 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 polyfluoralkyl 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. 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. 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. 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. 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. 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.

† HR 5515 PAP
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. 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. 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. 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. 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.

Sec. 1207. Naval Small Craft Instruction and Technical Training School.

Subtitle B—Matters Relating to Afghanistan and Pakistan

Sec. 1211. Afghanistan Security Forces Fund.

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

Sec. 1213. Extension of authority to transfer defense articles and provide defense services to the military and security forces of Afghanistan.

Sec. 1214. Modification of reporting requirements for special immigrant visas for Afghan allies program.

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

Sec. 1221. Extension of authority to provide assistance to counter the Islamic State of Iraq and Syria.

Sec. 1222. Extension and modification of authority to provide assistance to the vetted Syrian opposition.

Sec. 1223. Extension and modification of authority to support operations and activities of the Office of Security Cooperation in Iraq.

Sec. 1224. Syria Study Group.

Sec. 1225. Modification of annual report on military power of Iran.

Subtitle D—Matters Relating to Europe and the Russian Federation

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

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

Sec. 1233. Extension of Ukraine Security Assistance Initiative.

Sec. 1234. Sense of Senate on relocation of Joint Intelligence Analysis Complex.
Sec. 1235. Sense of Senate on enhancing deterrence against Russian aggression in Europe.
Sec. 1236. Technical amendments related to NATO Support and Procurement Organization and related NATO agreements.
Sec. 1238. Sense of Senate on countering Russian malign influence.

Subtitle E—Matters Relating to the Indo-Pacific Region
Sec. 1241. Redesignation, expansion, and extension of Southeast Asia Maritime Security Initiative.
Sec. 1242. Modification of annual report on military and security developments involving the People’s Republic of China.
Sec. 1243. Sense of Senate on Taiwan.
Sec. 1244. Redesignation and modification of sense of Congress and initiative for the Indo-Asia-Pacific region.
Sec. 1245. Prohibition on participation of the People’s Republic of China in Rim of the Pacific (RIMPAC) naval exercises.
Sec. 1246. Assessment of and report on geopolitical conditions in the Indo-Pacific region.
Sec. 1247. Sense of Senate on United States-India defense relationship.
Sec. 1248. Sense of Senate on strategic importance of maintaining commitments under Compacts of Free Association.
Sec. 1249. Sense of Senate on United States military forces on the Korean Peninsula.

Subtitle F—Reports
Sec. 1251. Report on military and coercive activities of the People’s Republic of China in South China Sea.
Sec. 1254. Report on permanent stationing of United States forces in the Republic of Poland.
Sec. 1254A. Ineffectiveness of section 937.
Sec. 1254B. John S. McCain Strategic Defense Fellows Program.
Sec. 1255. Reports on nuclear capabilities of the Democratic People’s Republic of Korea.
Sec. 1256. Report on United States military training opportunities with allies and partners in the Indo-Pacific region.

Subtitle G—Other Matters
Sec. 1261. Modification of authorities relating to acquisition and cross-servicing agreements.
Sec. 1262. Extension of authority for transfer of amounts for Global Engagement Center.
Sec. 1263. Sense of Senate on purchase by Turkey of S-400 air defense system.
Sec. 1264. Department of Defense support for stabilization activities in national security interest of the United States.
Sec. 1265. Enhancement of U.S.-Israel defense cooperation.
Sec. 1266. Certifications regarding actions by Saudi Arabia in Yemen.
Sec. 1267. Sense of Senate on support for G5 Sahel Joint Force countries.
Sec. 1268. Sense of Congress on broadening and expanding strategic partnerships and allies.
Sec. 1369. Removal of Turkey from the F–35 program.
Sec. 1370. Increase in minimum amount of obligations from the Special Defense
Acquisition Fund for precision guided munitions.

TITLE XIII—COOPERATIVE THREAT REDUCTION

Sec. 1301. Specification of Cooperative Threat Reduction funds.
Sec. 1302. Funding allocations.

TITLE XIV—OTHER AUTHORIZATIONS

Subtitle A—Military Programs

Sec. 1401. Working capital funds.
Sec. 1402. Chemical Agents and Munitions Destruction, Defense.
Sec. 1403. Drug Interdiction and Counter-Drug Activities, Defense-wide.
Sec. 1405. Defense Health Program.

Subtitle B—National Defense Stockpile

Sec. 1411. Consolidation of reporting requirements under the Strategic and Critical Materials Stock Piling Act.

Subtitle C—Armed Forces Retirement Home

Sec. 1421. Authorization of appropriations for Armed Forces Retirement Home.
Sec. 1422. Expansion of eligibility for residence at the Armed Forces Retirement Home.
Sec. 1423. Oversight of health care provided to residents of the Armed Forces Retirement Home.
Sec. 1424. Modification of authority on acceptance of gifts for the Armed Forces Retirement Home.
Sec. 1425. Relief for residents of the Armed Forces Retirement Home impacted by increase in fees.
Sec. 1426. Limitation on applicability of fee increase for residents of the Armed Forces Retirement Home.

Subtitle D—Other Matters

Sec. 1431. Authority for transfer of funds to joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund for Captain James A. Lovell Health Care Center, Illinois.
Sec. 1432. Economical and efficient operation of working capital fund activities.

TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR
OVERSEAS CONTINGENCY OPERATIONS

Subtitle A—Authorizations of Appropriations

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

Subtitle B—Financial Matters

Sec. 1521. Treatment as additional authorizations.
Sec. 1522. Special transfer authority.

Subtitle C—Other Matters

Sec. 1531. Joint Improvised-Threat Defeat Organization.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

Subtitle A—Space Activities

Sec. 1601. Modifications to Space Rapid Capabilities Office.
Sec. 1602. Space warfighting policy and review of space capabilities.
Sec. 1604. Streamline of commercial space launch operations.
Sec. 1605. Reusable launch vehicles.
Sec. 1606. Review of and report on activities of International Space Station.

Subtitle B—Defense Intelligence and Intelligence-related Activities

Sec. 1611. Framework on governance, mission management, resourcing, and effective oversight of Department of Defense combat support agencies that are also elements of the intelligence community.

Subtitle C—Cyberspace-related Matters

PART I—CYBERSPACE GENERALLY

Sec. 1621. Policy of the United States on cyberspace, cybersecurity, cyber warfare, and cyber deterrence.
Sec. 1622. Affirming the authority of the Secretary of Defense to conduct military activities and operations in cyberspace.
Sec. 1623. Active defense and surveillance against Russian Federation attacks in cyberspace.
Sec. 1624. Reorganization and consolidation of certain cyber provisions.
Sec. 1625. Designation of official for matters relating to integrating cybersecurity and industrial control systems within the Department of Defense.
Sec. 1626. Assistance for small manufacturers in the defense industrial supply chain on matters relating to cybersecurity.
Sec. 1627. Modification of acquisition authority of the Commander of the United States Cyber Command.
Sec. 1628. Email and Internet website security and authentication.
Sec. 1629. Matters pertaining to the Sharkseer cybersecurity program.
Sec. 1630. Pilot program on modeling and simulation in support of military homeland defense operations in connection with cyber attacks on critical infrastructure.
Sec. 1632. Report on enhancement of software security for critical systems.
Sec. 1633. Comply to connect and cybersecurity scorecard.
Sec. 1634. Cyberspace Solarium Commission.
Sec. 1635. Program to establish cyber institutes at institutions of higher learning.
Sec. 1636. Establishment of Cybersecurity for Defense Industrial Base Manufacturing Activity.

PART II—MITIGATION OF RISKSPOSED BY PROVIDERS OF INFORMATION TECHNOLOGY WITH OBLIGATIONS TO FOREIGN GOVERNMENTS

Sec. 1637. Definitions.
Sec. 1638. Identification of countries of concern regarding cybersecurity.
Sec. 1639. Mitigation of risks to national security posed by providers of information technology products and services who have obligations to foreign governments.
Sec. 1640. Establishment of registry of disclosures.

Subtitle D—Nuclear Forces

Sec. 1641. Oversight and management of the command, control, and communications system for the national leadership of the United States.
Sec. 1642. Modification to requirement for conventional long-range standoff weapon.
Sec. 1643. Exchange program for nuclear weapons program employees.
Sec. 1644. Procurement authority for certain parts of intercontinental ballistic missile fuzes.
Sec. 1645. Plan to train officers in nuclear command, control, and communications.
Sec. 1646. Plan for alignment of acquisition of warhead life extension programs and delivery vehicles for such warheads.
Sec. 1647. Extension of annual report on plan for the nuclear weapons stockpile, nuclear weapons complex, nuclear weapons delivery systems, and nuclear weapons command and control system.
Sec. 1648. Prohibition on use of funds for activities to modify United States aircraft to implement Open Skies Treaty.
Sec. 1649. Sense of Senate on Nuclear Posture Review.

Subtitle E—Missile Defense Programs

Sec. 1651. Extension of prohibition relating to missile defense information and systems.
Sec. 1653. Extension of requirement for reports on unfunded priorities of Missile Defense Agency.
Sec. 1654. Iron Dome short-range rocket defense system and Israeli cooperative missile defense program co-development and co-production.
Sec. 1655. Metrics for evaluating effectiveness of integrated Ballistic Missile Defense System against operationally realistic ballistic missile attacks.
Sec. 1656. Modification of requirement relating to transition of ballistic missile defense programs to military departments.
Sec. 1657. Sense of the Senate on acceleration of missile defense capabilities.
Sec. 1658. Integrated air and missile defense for evolving theater missile threats.
Sec. 1659. Acceleration of hypersonic missile defense program.
Sec. 1660. Sense of the Senate on allied partnerships for missile defense.
Sec. 1660A. Sense of the Senate on results of tests carried out by Missile Defense Agency.
Sec. 1660B. Sense of the Senate on discrimination for missile defense.
Sec. 1660C. Development and deployment of persistent space-based sensor architecture.

Sec. 1660D. Modification of requirement to develop a space-based ballistic missile intercept layer.

Subtitle F—Other Matters

Sec. 1661. Assessment of electronic warfare capabilities of Russia and China.

Sec. 1662. Budget exhibit on support provided to entities outside Department of Defense.

Sec. 1663. Development of Electromagnetic Battle Management capability for joint electromagnetic operations.

TITLE XVII—COMMITTEE ON FOREIGN INVESTMENT IN THE UNITED STATES

Sec. 1701. Short title.

Sec. 1702. Sense of Congress.

Sec. 1703. Definitions.

Sec. 1704. Acceptance of written notices.

Sec. 1705. Inclusion of partnership and side agreements in notice.

Sec. 1706. Declarations for certain covered transactions.

Sec. 1707. Stipulations regarding transactions.

Sec. 1708. Authority for unilateral initiation of reviews.

Sec. 1709. Timing for reviews and investigations.

Sec. 1710. Monitoring of non-notified and non-declared transactions.

Sec. 1711. Submission of certifications to Congress.

Sec. 1712. Analysis by Director of National Intelligence.

Sec. 1713. Information sharing.

Sec. 1714. Action by the President.

Sec. 1715. Judicial review.

Sec. 1716. Membership and staff of Committee.

Sec. 1717. Actions by the Committee to address national security risks.

Sec. 1718. Modification of annual report and other reporting requirements.

Sec. 1719. Certification of notices and information.

Sec. 1720. Implementation plans.

Sec. 1721. Assessment of need for additional resources for Committee.

Sec. 1722. Funding.

Sec. 1723. Centralization of certain Committee functions.

Sec. 1724. Conforming amendments.

Sec. 1725. Requirements to identify and control the export of emerging and foundational technologies.

Sec. 1726. Export control enforcement authority.

Sec. 1727. Prohibition on modification of civil penalties under export control and sanctions laws.

Sec. 1728. Under Secretary of Commerce for Industry and Security.

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.

Sec. 1730. Review of and report on certain defense technologies critical to the United States maintaining superior military capabilities.

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.

Sec. 1733. Severability.
DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

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

TITLE XXI—ARMY MILITARY CONSTRUCTION

Sec. 2101. Authorized Army construction and land acquisition projects.
Sec. 2102. Family housing.
Sec. 2103. Authorization of appropriations, Army.
Sec. 2104. Extension of authorizations of certain fiscal year 2015 projects.
Sec. 2105. Extension of authorizations of certain fiscal year 2016 project.

TITLE XXII—NAVY MILITARY CONSTRUCTION

Sec. 2201. Authorized Navy construction and land acquisition projects.
Sec. 2202. Family housing.
Sec. 2203. Improvements to military family housing units.
Sec. 2204. Authorization of appropriations, Navy.

TITLE XXIII—AIR FORCE MILITARY CONSTRUCTION

Sec. 2301. Authorized Air Force construction and land acquisition projects.
Sec. 2302. Family housing.
Sec. 2303. Improvements to military family housing units.
Sec. 2305. Modification of authority to carry out certain phased project authorized in fiscal years 2015, 2016, and 2017.
Sec. 2306. Modification of authority to carry out certain fiscal year 2017 project.
Sec. 2307. Modification of authority to carry out certain fiscal year 2018 project.
Sec. 2308. Additional authority to carry out certain fiscal year 2019 projects.

TITLE XXIV—DEFENSE AGENCIES MILITARY CONSTRUCTION

Sec. 2401. Authorized defense agencies construction and land acquisition projects.
Sec. 2402. Energy Resilience and Conservation Investment Program.
Sec. 2403. Authorization of appropriations, defense agencies.
Sec. 2404. Extension of authorizations of certain fiscal year 2015 projects.
Sec. 2405. Authorization of certain fiscal year 2018 project.

TITLE XXV—INTERNATIONAL PROGRAMS

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

Subtitle B—Host Country In-kind Contributions
Sec. 2511. Republic of Korea funded construction projects.

TITLE XXVI—GUARD AND RESERVE FORCES FACILITIES

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

Subtitle B—Other Matters
Sec. 2611. Modification of authority to carry out certain fiscal year 2016 project.
Sec. 2612. Modification of authority to carry out certain fiscal year 2018 project.
Sec. 2613. Additional authority to carry out certain fiscal year 2019 project.

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

TITLE XXVIII—MILITARY CONSTRUCTION AND GENERAL PROVISIONS
Subtitle A—Military Construction Program and Military Family Housing Changes
Sec. 2801. Additional authority to obtain architectural and engineering services and construction design for defense laboratory modernization pilot program.
Sec. 2802. Modification of contract authority for acquisition, construction, or furnishing of test facilities and equipment.
Sec. 2803. Extension of temporary, limited authority to use operation and maintenance funds for construction projects in certain areas outside the United States.
Sec. 2804. Unspecified minor military construction projects related to revitalization and recapitalization of Defense Industrial Base Facilities.
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.
Sec. 2812. Work in Process Curve charts and outlay tables for military construction projects.

Subtitle C—Land Conveyances
Sec. 2822. Land conveyance, Eglin Air Force Base, Florida.

Subtitle D—Other Matters
Sec. 2831. Commemoration of Freedman’s Village.
Sec. 2832. Strategic plan to improve capabilities of Department of Defense training ranges and installations.
Sec. 2833. Native American Indian lands environmental mitigation program.
Sec. 2834. Defense community infrastructure pilot program.
Sec. 2835. Representation of installation interests in negotiations and proceedings with carriers and other public utilities.
Sec. 2836. White Sands Missile Range land enhancements.
Sec. 2837. Authority to transfer funds for construction of Indian River Bridge.

TITLE XXIX—OVERSEAS CONTINGENCY OPERATIONS MILITARY CONSTRUCTION

Sec. 2901. Authorized Army construction and land acquisition projects.
Sec. 2902. Authorized Navy construction and land acquisition projects.
Sec. 2903. Authorized Air Force construction and land acquisition projects.
Sec. 2904. Authorized Defense Agencies construction and land acquisition projects.
Sec. 2905. Authorization of appropriations.

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

TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

Subtitle A—National Security Programs and Authorizations

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

Subtitle B—Program Authorizations, Restrictions, and Limitations

Sec. 3111. Clarification of roles and authorities of National Nuclear Security Administration.
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.
Sec. 3117. Modification of limitation on development of low-yield nuclear weapons.
Sec. 3118. Prohibition on use of funds for terminating activities at MOX facility.

Subtitle C—Plans and Reports

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.

TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

Sec. 3201. Authorization.

TITLE XXXV—MARITIME ADMINISTRATION

Sec. 3501. Maritime Administration.
Sec. 3502. Permanent authority of Secretary of Transportation to issue vessel war risk insurance.

DIVISION D—FUNDING TABLES

Sec. 4001. Authorization of amounts in funding tables.

TITLE XLI—PROCUREMENT

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

TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

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

TITLE XLIII—OPERATION AND MAINTENANCE

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

TITLE XLIV—MILITARY PERSONNEL

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

TITLE XLV—OTHER AUTHORIZATIONS

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

TITLE XLVI—MILITARY CONSTRUCTION

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

TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

Sec. 4701. Department of Energy national security programs.

DIVISION E—ADDITIONAL PROVISIONS

TITLE LI—PROCUREMENT

Sec. 5101. Briefing on procurement plan for Acquired Position Navigation and Timing (APNT) solution.
Sec. 5102. Sense of Congress on KC–46A aerial refueling tanker emergent requirements.

Sec. 5103. Additional element in the quarterly updates on the F–35 Joint Strike Fighter program.

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

Sec. 5201. Joint artificial intelligence research, development, and transition activities.

Sec. 5202. Scope of competitive acquisition strategy for the Bradley Fighting Vehicle transmission replacement.

Sec. 5203. Pilot program to test machine-vision technologies to determine the authenticity and security of microelectronic parts in weapon systems.

**TITLE LIII—OPERATION AND MAINTENANCE**

Sec. 5301. Prioritization of environmental impacts for Facilities Sustainment, Restoration, and Modernization demolition.

Sec. 5302. Core sampling at Joint Base San Antonio, Texas.

Sec. 5303. Transportation to continental United States of retired military working dogs outside the continental United States that are suitable for adoption in the United States.

Sec. 5304. Additional element in report on cold weather capabilities and readiness of the United States Armed Forces.

Sec. 5305. Report on Air Force training range requirements to address fifth generation threats.

Sec. 5306. Annual report on differences in ship repair contract and final delivery costs.

Sec. 5307. Report on Air Force airfield operational requirements.

**TITLE LV—MILITARY PERSONNEL POLICY**

Sec. 5501. Report on participation in the Transition Assistance Program.

Sec. 5502. Briefing on the status of the plan of the Army to transition to new insecticide pretreatments on combat uniforms.

**TITLE LVIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS**

Sec. 5801. Instruction on pilot program regarding employment of persons with disabilities.

Sec. 5802. Developing innovation and growing the Internet of Things.

**TITLE LIX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT**

Sec. 5901. Clarification of certain risk assessment requirements of the Chairman of the Joint Chiefs of Staff in connection with the National Military Strategy.

**TITLE LX—GENERAL PROVISIONS**

Sec. 6001. Business case analysis of Ready Reserve Force recapitalization options.

Sec. 6002. Transfer of excess naval vessel to Bahrain.

Sec. 6003. Members of panel conducting review of military aviation readiness in support of the National Defense Strategy.
Sec. 6004. Study on phasing out open burn pits.
Sec. 6005. Airborne Hazards and Open Burn Pit Registry.
Sec. 6006. Improving small business loan programs for employee-owned business concerns.
Sec. 6007. Comptroller General of the United States review of effect of other-than-honorable discharges on veteran employment outcomes.
Sec. 6008. Comptroller General study on availability of long-term care options for veterans from Department of Veterans Affairs.

TITLE LXI—CIVILIAN PERSONNEL MATTERS

Sec. 6101. Department of Defense Cyber Scholarship Program scholarships and grants.

Subtitle LXII—Matters Relating to Foreign Nations

Sec. 6201. Coordination of efforts to negotiate free trade agreements with certain sub-Saharan African countries.
Sec. 6202. Treatment of Rwandan Patriotic Front and Rwandan Patriotic Army under Immigration and Nationality Act.
Sec. 6203. Syrian war crimes accountability.
Sec. 6204. Clarification of limitation on the transfer of the F–35 to Turkey.
Sec. 6205. Report on Honduras, Guatemala, and El Salvador.
Sec. 6206. Report on arms embargo on Cyprus.

TITLE LXVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

Sec. 6601. Technical corrections to certain cyberspace matters.
Sec. 6602. Tier 1 exercise of support to civil authorities for a cyber incident.
Sec. 6603. Report on strengthening NATO cyber defense.
Sec. 6604. Briefing on cyber education and training.
Sec. 6605. Report on development of long-range stand-off weapon.

TITLE LXVII—COMMITTEE ON FOREIGN INVESTMENT IN THE UNITED STATES

Sec. 6701. Ineffectiveness of section 1727.
Sec. 6702. Prohibition on modification of civil penalties under export control and sanctions laws and prohibition on certain telecommunications equipment.

TITLE LXXVIII—MILITARY CONSTRUCTION AND GENERAL PROVISIONS

Sec. 6801. Clarification to include National Guard installations in Readiness and Environmental Protection Integration program.
Sec. 6802. Release of restrictions, University of California, San Diego.
Sec. 6803. Plan to allow increased public access to the National Naval Aviation Museum and Barrancas National Cemetery, Naval Air Station Pensacola.
TITLE LXXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

Sec. 7101. Additional amounts for inertial confinement fusion and high yield program.

TITLE LXXXV—MARITIME ADMINISTRATION

Sec. 7501. Ineffectiveness of title XXXV.
Sec. 7502. Authorization of the Maritime Administration.
Sec. 7503. Concurrent jurisdiction.
Sec. 7504. United States Merchant Marine Academy policy on sexual harassment, dating violence, domestic violence, sexual assault, and stalking.
Sec. 7505. Report on implementation of recommendations for the United States Merchant Marine Academy Sexual Assault Prevention and Response Program.
Sec. 7507. Electronic records on mariner availability to meet national security needs.
Sec. 7508. Small shipyard grants.
Sec. 7509. Domestic ship recycling facilities.
Sec. 7510. Sea year on contracted vessels.
Sec. 7511. GAO report on national maritime strategy.
Sec. 7512. Department of Transportation Inspector General report on Title XI program.
Sec. 7513. Multi-year contracts.
Sec. 7514. Use of State Maritime Academy training vessels.
Sec. 7515. Permanent authority of Secretary of Transportation to issue vessel war risk insurance.
Sec. 7516. Navigation system study and report.
Sec. 7517. Miscellaneous.
Sec. 7518. Superior National Forest Land Exchange.

SEC. 3. CONGRESSIONAL DEFENSE COMMITTEES.

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

SEC. 4. BUDGETARY EFFECTS OF THIS ACT.

The budgetary effects of this Act, for the purposes of complying with the Statutory Pay-As-You-Go Act of 2010, shall be determined by reference to the latest statement titled “Budgetary Effects of PAYGO Legislation” for this Act, jointly submitted for printing in the Congressional Record.
by the Chairmen of the House and Senate Budget Committees, provided that such statement has been submitted prior to the vote on passage in the House acting first on the conference report or amendment between the Houses.

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

Subtitle A—Authorization of Appropriations

SEC. 101. AUTHORIZATION OF APPROPRIATIONS.

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

Subtitle B—Army Programs

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

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

(b) Deployment Required.—The Army shall deploy an interim, fixed site cruise missile defense capability, in
anticipation of delivery to the Army of the Indirect Fire Protection Capability (IFPC), by the deadlines as follows:

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

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

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

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

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

(2) may use a combination of—

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

(B) use of existing systems, components, and capabilities already in the Joint Force inventory, including rockets and missiles as available;
(C) operational information technology for communication, detection, and fire control that is certified to work with existing joint information technology systems to ensure interoperability;

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

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

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

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

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

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

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

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

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

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

(b) Authority for Advance Procurement and Economic Order Quantity.—The Secretary may enter into one or more contracts for advance procurement associated with the E–2D AHE (including economic order quantity) for which authorization to enter into a multiyear procurement contract is provided under subsection (a).
(c) Cost Analysis Requirement.—The Secretary may not exercise the authority provided under subsection (a) or (b) until the Secretary of Defense submits to the congressional defense committees the report and confirmation required under subparagraphs (A) and (B), respectively, of section 2306b(i)(2) of title 10, United States Code.

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

SEC. 123. Extension of Limitation on Use of Sole-Source Shipbuilding Contracts for Certain Vessels.

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

† HR 5515 PAP
SEC. 124. PROHIBITION ON AVAILABILITY OF FUNDS FOR NAVY PORT WATERBORNE SECURITY BARRIERS.

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

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

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

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

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

(4) a certification that any contract award or awards for new Navy port waterborne security barriers will result from full and open competition to the maximum extent practicable.
SEC. 125. MULTIYEAR PROCUREMENT AUTHORITY FOR STANDARD MISSILE-6.

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

(b) Authority for Advance Procurement and Economic Order Quantity.—The Secretary may enter into one or more contracts for advance procurement associated with the missiles (including economic order quantity) for which authorization to enter into a multiyear procurement contract is provided under subsection (a).

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

(d) Condition for Out-Year Contract Payments.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations for that purpose for such later fiscal year.
SEC. 126. LIMITATION ON AVAILABILITY OF FUNDS FOR THE LITTORAL COMBAT SHIP.

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

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

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

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

(3) is necessary to maintain a full and open competition for the Guided Missile Frigate (FFG(X)) with a single source award in fiscal year 2020.
(c) **DEFINITION.**—The term “revision five of the Littoral Combat Ship acquisition strategy” means the fifth revision of the Littoral Combat Ship acquisition strategy approved by the Under Secretary of Defense for Acquisition and Sustainment on March 26, 2018.

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

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

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

(b) **CONDITION FOR OUT-YEAR PAYMENTS.**—Any contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to availability of appropriations for that purpose for that later fiscal year.
SEC. 128. LIMITATION ON FUNDING FOR AMPHIBIOUS ASSAULT VEHICLE PRODUCT IMPROVEMENT PROGRAM.

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

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

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

Subtitle D—Air Force Programs

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

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

(b) Additional Limitation on Retirement.—

(1) In general.—In addition to the prohibition in subsection (a), the Secretary of the Air Force may
not retire, or prepare to retire, any E–8C aircraft until the Under Secretary of Defense for Acquisition and Sustainment submits to the congressional defense committees the certification described under paragraph (2).

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

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

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

Not later than 180 days after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the congressional defense committees a report on the long
term modernization of the B–52H aircraft, including an
estimated timeline and requirements as an integrated air-
craft system of—

(1) electronic warfare and defensive systems;
(2) communications including secure jam resistant capability;
(3) radar replacement;
(4) engine replacement;
(5) future weapons and targeting capability; and
(6) mission planning systems.

SEC. 143. REPEAL OF FUNDING RESTRICTION FOR EC–130H

COMPASS CALL RECAPITALIZATION PROGRAM AND REVIEW OF PROGRAM ACCELERATION OPPORTUNITIES.

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

(b) PERIODIC REPORTS REQUIRED.—

(1) In general.—Not later than December 30, 2018, June 30, 2019, and December 30, 2019, the Secretary of the Air Force shall submit to the congress-
ional defense committees a series of updated program status reports for the EC–130H Compass Call Recapitalization Program.
(2) **ELEMENTS.**—The reports required under paragraph (1) shall include—

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

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

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

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

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

(i) meets the requirements of combatant commanders; and

(ii) is more operationally effective and survivable than the existing EC–130H Compass Call aircraft platform.
Subtitle E—Defense-wide, Joint, and Multiservice Matters

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

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

(b) Authority for Advance Procurement and Economic Order Quantity.—The Secretary of the Air Force may enter into one or more contracts for advance procurement associated with the C–130J aircraft, including economic order quantity, for which authorization to enter into a multiyear procurement contract is provided under subsection (a).

(c) Condition for Out-Year Contract Payments.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations for that purpose for such later fiscal year.
(d) Treatment of Fiscal Year 2018 Aircraft.—
The multiyear contract authority under subsection (a) includes C–130J aircraft for which funds were appropriated for fiscal year 2018.

Sec. 152. Quarterly Updates on the F–35 Joint Strike Fighter Program.

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

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

(1) An overview of the program schedule.

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

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

(A) modernization;

(B) modification;

(C) testing;

(D) delivery;
(E) sustainment; and
(F) program management.

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

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

(1) in the section heading, by striking “ICE-
BREAKER VESSEL” and inserting “AUTHORIZATION TO PROCURE UP TO SIX POLAR-CLASS
ICEBREAKERS”;

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

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

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

“(1) polar-class heavy icebreakers; and
“(2) polar-class medium icebreakers.”;

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

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

† HR 5515 PAP
TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Subtitle A—Authorization of Appropriations

SEC. 201. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Department of Defense for research, development, test, and evaluation, as specified in the funding table in section 4201.

Subtitle B—Program Requirements, Restrictions, and Limitations

SEC. 211. CODIFICATION AND REAUTHORIZATION OF DEFENSE RESEARCH AND DEVELOPMENT RAPID INNOVATION PROGRAM.

(a) CODIFICATION.—

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

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

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

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

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

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

“(2) The review of candidate proposals by the Department of Defense and by each military department and the merit-based selection of the most promising cost-effective proposals for funding through contracts, cooperative agreements, and other transactions for the purposes of carrying out the program.
“(3) The total amount of funding provided to any project under the program from funding provided under subsection (d) shall not exceed $3,000,000, unless the Secretary, or the Secretary’s designee, approves a larger amount of funding for the project.

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

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

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

“(c) TREATMENT PURSUANT TO CERTAIN CONGRESSIONAL RULES.—Nothing in this section shall be interpreted to require or enable any official of the Department
of Defense to provide funding under this section to any earmark as defined pursuant to House Rule XXI, clause 9, or any congressionally directed spending item as defined pursuant to Senate Rule XLIV, paragraph 5.

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

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

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

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

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

(b) CONFORMING AMENDMENTS.—

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

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

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

(1) urgently needed—

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

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

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

(b) **ELEMENTS.**—The procedures prescribed under subsection (a) shall include the following:
(1) A process for streamlined communications between the Under Secretary, the Joint Chiefs of Staff, the commanders of the combatant commands, the science and technology executives within each military department, and the science and technology community, including—

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

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

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

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

(B) a process for developing a development strategy for a technology, including integration into future budget years; and
(C) a process for making investment determinations based on information obtained pursuant to subparagraphs (A) and (B).

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

(a) Activities Required.—

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

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

(b) Activities.—

(1) Continuous Evaluation Process.—For purposes of the activities required by subsection (a), the Secretary shall establish a process to continuously solicit from government, industry, academia, and other appropriate entities personal protective equipment that is ready for testing and evaluation in order to identify and evaluate equipment or clothing that is more effective in protecting members of the Armed...
Forces from the harmful effects of blast injuries, including traumatic brain injuries, and would be suitable for expedited procurement and fielding.

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

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

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

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

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

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

(3) Partnerships for Certain Assessments.—As part of the activities, the Secretary shall establish research partnerships with appropriate aca-
demic institutions for purposes of assessing the following:

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

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

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

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

(c) AUTHORITIES.—In carrying out activities under subsection (a), the Secretary may use any authority as follows:
(1) Experimental procurement authority under section 2373 of title 10, United States Code.

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

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

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

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

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

(e) On-going Assessment Following Activities.—After the completion of activities under subsection (a), the Secretary shall, on an on-going basis, do the following:

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

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

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

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

(f) Reports.—

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

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

(A) The results of the evaluation under subsection (e)(1).
(B) The estimate of costs and schedules under subsection (e)(2).

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

SEC. 214. HUMAN FACTORS MODELING AND SIMULATION ACTIVITIES.

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

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

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

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

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

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

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

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

(2) Program Executive Offices of the Department.

(3) Academia.

(4) The private sector.

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

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

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

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

(1) by redesignating paragraph (23) as paragraph (27); and
by inserting after paragraph (22) the following new paragraphs:

“(23) Space.

“(24) Infrastructure resilience.

“(25) Photonics.

“(26) Autonomy.”.

SEC. 216. ADVANCED MANUFACTURING ACTIVITIES.

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

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

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

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

(3) identify and implement appropriate information security protections to ensure security of advanced manufacturing;
(4) aid in the procurement of advanced manu-
facturing equipment and support services; and

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

(c) COOPERATIVE AGREEMENTS AND PARTNER-
SHIPS.—

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

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

(A) development and implementation of ad-
vanced manufacturing techniques and capabili-
ties;

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

(C) implementation of appropriate informa-
tion security protections into advanced manufac-
turing tools and techniques.
(d) **AUTHORITIES.**—In carrying out this section, the Under Secretaries may use the following authorities:

1. **Section 2196 of title 10, United States Code,** relating to the Manufacturing Engineering Education Program.
2. **Section 2368 of such title,** relating to centers for science, technology, and engineering partnership.
3. **Section 2374a of such title,** relating to prizes for advanced technology achievements.
4. **Section 2474 of such title,** relating to centers of industrial and technical excellence.
5. **Section 2521 of such title,** relating to the Manufacturing Technology Program.
7. **Such other authorities as the Under Secretaries considers appropriate.**

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

(a) **ESTABLISHMENT.**—The Under Secretary of Defense for Research and Engineering shall establish activities to develop interaction between the Department of Defense and the commercial technology industry and academia with
regard to emerging hardware products and technologies
with national security applications.

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

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

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

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

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

(c) TRANSFER OF PERSONNEL AND RESOURCES.—
(1) In general.—Subject to paragraph (2), the Under Secretary may transfer such personnel, resources, and authorities as the Under Secretary considers appropriate to carry out the activities established under subsection (a) from other elements of the Department.

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

(d) Establishment of nonprofit entity.—The Under Secretary may establish or fund a nonprofit entity to carry out the program activities under subsection (a).

(e) Plan.—

(1) In general.—Not later than one year after the date of the enactment of this Act, the Under Secretary shall submit to the congressional defense committees a detailed plan to carry out this section.
(2) **ELEMENTS.**—The plan required by paragraph (1) shall include the following:

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

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

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

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

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

(2) Section 1599g of title 10 of the United States Code, relating to public-private talent exchanges.
(3) Section 2368 of such title, relating to Centers for Science, Technology, and Engineering Partnerships.

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

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

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

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

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


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

(g) FUNDING.—Of the amount authorized to be appropriated for fiscal year 2019 for the Department of Defense by section 201 and subject to the availability of appropriations, up to $150,000,000 may be available to carry out this section.
SEC. 218. PARTNERSHIP INTERMEDIARIES FOR PROMOTION OF DEFENSE RESEARCH AND EDUCATION.

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

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

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

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

“(2) In this subsection, the term ‘partnership intermediary’ means an agency of a State or local government, or a nonprofit entity owned in whole or in part by, chartered by, funded in whole or in part by, or operated in whole or in part by or on behalf of a State or local government, that assists, counsels, advises, evaluates, or otherwise cooperates with industry or academic institutions that need
or can make demonstrably productive use of technology-re-
related assistance from a Center.”.

**SEC. 219. LIMITATION ON USE OF FUNDS FOR SURFACE**

**NAVY LASER WEAPON SYSTEM.**

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

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

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

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

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

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

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

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

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

(4) Associated funding and item quantities, disaggregated by fiscal year and appropriation, requested in the Fiscal Year 2019 Future Years Defense Program.
(5) An estimate of the acquisition costs, including the total costs for procurement, research, development, test, and evaluation.

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

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

“(16) The National Security Technology Accelerator.”

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

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

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

(2) the information required under paragraph (5) of such subsection.
SEC. 222. DEFENSE QUANTUM INFORMATION SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT PROGRAM.

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

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

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

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

(3) To develop and manage a portfolio of fundamental and applied quantum information science and technology and engineering research initiatives that is stable, consistent, and balanced across scientific disciplines.
(4) To accelerate the transition and deployment of technologies and concepts derived from quantum information science and technology research and development into the Armed Forces, and to establish policies, procedures, and standards for measuring the success of such efforts.

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

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

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

(1) prescribe a set of long-term challenges and a set of specific technical goals for the program, including—
(A) optimization of analysis of national security data sets;
(B) design of new materials and molecular functions;
(C) secure communications and cryptography;
(D) quantum sensing and metrology;
(E) development of mathematics to support defense missions related to quantum-based encryption techniques; and
(F) processing and manufacturing of low-cost, robust, and reliable quantum information science and technology-enabled devices and systems;
(2) develop a coordinated and integrated research and investment plan for meeting the near-, mid-, and long-term challenges with definitive milestones while achieving the specific technical goals that builds upon the Department’s increased investment in quantum information science and technology research and development, commercial sector and global investments, and other United States Government investments in the quantum sciences;
(3) not later than 180 days after the date of the enactment of this Act, develop and continuously up-
date guidance, including classification and data management plans for defense-related quantum information science and technology activities, and policies for control of personnel participating on such activities to minimize the effects of loss of intellectual property in basic and applied quantum science and information considered sensitive to the leadership of the United States in the field of quantum computing; and

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

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

SEC. 223. JOINT DIRECTED ENERGY TEST ACTIVITIES.

(a) Test Activities.—The Under Secretary of Defense for Research and Engineering shall develop, establish, and coordinate directed energy testing activities adequate to ensure the achievement by the Department of Defense of goals of the Department for developing and deploying directed energy systems to match national security needs.
(b) **ELEMENTS.**—The activity established under subsection (a) shall include the following:

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

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

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

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

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

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

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

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

(6) Reducing duplication of directed energy weapon testing.

(7) Ensuring that an adequate workforce and adequate testing facilities are maintained to support missions of the Department of Defense.
SEC. 224. REQUIREMENT FOR ESTABLISHMENT OF ARRANGEMENTS FOR EXPEDITED ACCESS TO TECHNICAL TALENT AND EXPERTISE AT ACADEMIC INSTITUTIONS TO SUPPORT DEPARTMENT OF DEFENSE MISSIONS.

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

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

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

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

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

(a) Establishment.—

(1) In General.—The Secretary of Defense shall establish a set of activities within the Department of
Defense to coordinate the efforts of the Department to develop, mature, and transition artificial intelligence technologies into operational use.

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

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

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

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

(A) A strategic roadmap for the identification and coordination of the development and
fielding of artificial intelligence technologies and key enabling capabilities.

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

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

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

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

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

(D) support the development of requirements for artificial intelligence capabilities that address the highest priority capability gaps of the Department and technical feasibility;
(E) develop and support capabilities for technical analysis and assessment of threat capabilities based on artificial intelligence;

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

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

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

(I) ensure—

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

(ii) appropriate coordination of artificial intelligence activities of the Department with interagency, industry, and inter-
national efforts relating to artificial intelligence, including relevant participation in standards setting bodies.

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

(e) STUDY ON ARTIFICIAL INTELLIGENCE TOPICS.—

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

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

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

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

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

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

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

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

Subtitle C—Reports and Other Matters

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

(a) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Director of the Defense Intelligence Agency shall submit to the Committees on
Armed Services of the Senate and the House of Representatives a report that sets forth a direct comparison between the capabilities of the United States in emerging technology areas (such as hypersonics, artificial intelligence, quantum information science, and directed energy weapons) and the capabilities of adversaries of the United States in such areas.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(C) Proposals for future development of such systems.

(D) A timeline for fielding such systems.

(2) Plans for how the Army will incorporate active protection systems into new armored combat and
tactical vehicle designs, such as Mobile Protection 
Firepower (MPF), Armored Multi-Purpose Vehicle 
(AMPV), and Next Generation Combat Vehicle 
(NGCV).

SEC. 233. NEXT GENERATION COMBAT VEHICLE.

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

(b) REPORT.—

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

(2) ANALYSIS.—

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

(B) RELEVANCE TO NATIONAL DEFENSE 
STRATEGY.—In carrying out subparagraph (A),
the Secretary shall ensure that the requirements are relevant to the most recently published National Defense Strategy.

(C) Threats and Terrain.—The Secretary shall ensure that the analysis includes consideration of threats and terrain.

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

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

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

(a) Report Required.—Not later than one year after the date of the enactment of this Act, the Under Secretary of Defense for Research and Engineering shall submit to the Committees on Armed Services of the Senate and
the House of Representatives a report setting forth recom-
mendations on the future of the defense research and en-
gineering enterprise, including such recommendations for
legislative or administrative action as the Under Secretary
considers appropriate in light of the anticipated future of
the defense research and engineering enterprise.

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

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

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

(2) The Department of Defense laboratories

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

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

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

(6) The Strategic Capabilities Office of the De-
partment.
The Small Business Innovation Research Program of the Department.

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

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

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

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

3. Facilities and research and test infrastructure.

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

5. Governance.

COMPARISONS.—For purposes of making recommendations under subsection (a), the Under Secretary shall conduct a comparison of the defense research and engineering enterprise of the United States, namely processes,
test infrastructure, and workforce, with the defense research and engineering enterprises of other countries and the private sector.

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

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

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

“(c) Release and Dissemination of Information on Contributions From Use of Authority to Military Missions.—

“(1) Collection of Information.—The Secretary shall establish and maintain mechanisms for the continuous collection of information on achievements, best practices identified, lessons learned, and
challenges arising in the exercise of the authority in this section.

“(2) Release of Information.—The Secretary shall establish and maintain mechanisms as follows:

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

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

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

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

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

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

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

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

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

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

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

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

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

(A) increase the availability of aircraft to the Air Force; and
(B) decrease backlogs and lead times for the production of parts for such aircraft.

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

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

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

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

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

(a) INITIAL REVIEW.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall review the firing limits for heavy weapons during training exercises.
(b) ELEMENTS.—The review required by subsection (a) shall take into account current data and evidence on the cognitive effects of blast exposure and shall include consideration of the following:

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

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

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

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

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

(d) UPDATED REVIEW.—

(1) IN GENERAL.—Not less frequently than once every two years after the initial review conducted under subsection (a), the Secretary of Defense shall conduct an updated review under such subsection, including consideration of the matters set forth under subsection (b), and update training guidance under subsection (c).
(2) Consideration of new research and evidence.—Each updated review conducted under paragraph (1) shall take into account new research and evidence that has emerged since the previous review.

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

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

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

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

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

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

(3) goods and services associated with or enabled by research, development, operation, application, manufacturing, or maintenance expertise, which are
not possessed by countries to which exports are con-
trolled and which, if exported or otherwise trans-
ferred, would permit a significant advance in the
military capabilities of any such country; and

(4) emerging technology areas supportive of mili-
tary requirements and strategies.

(c) SPECIFICITY.—The shall ensure that the list re-
quired by subsection (a) is sufficiently specific to guide the
recommendations of the Secretary in any interagency deter-
minations on exercising export licensing, technology trans-
fer, or foreign investment.

(d) PUBLICATION.—

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

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

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

Not later than 120 days after the date of the enactment
of this Act, the Secretary of Defense shall submit to the con-
gressional defense committees a report on the feasibility and advisability of requiring access to digital technical data in all future acquisitions by the Department of Defense of combat, combat service, and combat support systems, including front-end negotiations for such access. Such report shall include a digital data standard for technical data for use by equipment manufacturers and the Department with regard to three-dimensional printed parts.

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

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

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

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

(2) A plan to use full and open competition to the maximum extent practicable.
(c) **TIMELINE.**—Not later than February 15, 2019, the Secretary of the Army shall submit to the congressional defense committees the strategy developed under subsection (a).

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

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

(a) **AGREEMENT.**—

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

(2) **TIMING.**—The Secretary shall seek to enter into the agreement described in paragraph (1) not later than 120 days after the date of the enactment of this Act.
(b) INDEPENDENT ASSESSMENT.—Under an agreement between the Secretary and JASON under this section, JASON shall—

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

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

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

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

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

(B) improving cooperation and appropriate integration among Federal entities;
(C) improving cooperation between the United States and other countries and international organizations; and

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

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

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

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

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

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

(2) the recommendations developed by JASON pursuant to such subsection.
(g) ALTERNATE CONTRACT SCIENTIFIC ORGANIZATION.—

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

(A) is not part of the Government; and

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

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

TITLE III—OPERATION AND MAINTENANCE
Subtitle A—Authorization of Appropriations

SEC. 301. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for ex-
penses, not otherwise provided for, for operation and main-
tenance, as specified in the funding table in section 4301.

Subtitle B—Energy and Environment

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

(a) Energy Policy Authority.—Section 2911(b) of title 10, United States Code, is amended—

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

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

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

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

(b) Reporting on Energy Security and Resilience Goals.—Section 2911(c) of title 10, United States Code, is amended by adding at the end the following new paragraph:
“(3) The Secretary of Defense shall include the energy security and resilience goals of the Department of Defense in the installation energy report submitted under section 2925(a) of this title for fiscal year 2018 and every fiscal year thereafter. In the development of energy security and resilience goals, the Department of Defense shall conform with the definitions of energy security and resilience under this title. The report shall include the amount of critical energy load, together with the level of availability and reliability by fiscal year the Department of Defense deems necessary to achieve energy security and resilience.”.

(c) REPORTING ON INSTALLATIONS ENERGY MANAGEMENT, ENERGY RESILIENCE, AND MISSION ASSURANCE.—

Section 2925(a) of title 10, United States Code, is amended—

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

(2) in paragraph (3), by striking “the mission requirements associated with disruption tolerances based on risk to mission” and inserting “the downtimes (in minutes or hours) these missions can afford based on their mission requirements and risk tolerances”;
(3) in paragraph (4), by inserting “(including critical energy loads in megawatts and the associated downtime tolerances for critical energy loads)” after “energy requirements and critical energy requirements”; 

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

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

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

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

(d) **Inclusion of Energy Security and Resilience as Priorities in Contracts for Energy or Fuel for Military Installations.**—Section 2922a(d) of title 10, United States Code, is amended to read as follows:

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

(e) **Conveyance Authority for Utility Systems.**—Section 2688 of title 10, United States Code, is amended—

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

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

(3) in subsection (g)(3)—

(A) by striking “Secretary concerned may require” and inserting “Secretary of Defense, in
consultation with the Secretaries of the military departments, shall require”; and

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

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

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

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

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

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

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

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

and

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

“(ii) maintains or improves military installation resilience; or”.

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

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

“(2) FUNDING.—

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

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

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

“(C) Expenditure authority.—Amounts transferred to the Secretary of Health and Human Services shall be used to carry out the study and assessment under this section through contracts, cooperative agreements, or grants. In
addition, such funds may be transferred by the Secretary of Health and Human Services to other accounts of the Department for the purposes of carrying out this section.

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

SEC. 313. MILITARY MISSION SUSTAINMENT SITING CLEARINGHOUSE.

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

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

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

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

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

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

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

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

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

(1) in paragraph (1)—

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

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

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

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

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

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

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

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

SEC. 314. OPERATIONAL ENERGY POLICY.

(a) IN GENERAL.—Section 2926 of title 10, United
States Code, is amended—
(1) by redesignating subsections (a), (b), (c), and (d) as subsections (c), (d), (e), (f), respectively;

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

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

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

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

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

“(3) in selecting equipment that will use operational energy, give favorable consideration to the acquisition of equipment that enhances energy security, energy resilience, energy conservation, and reduces logistical vulnerabilities.”; and
(3) in subsection (c), as redesignated by subparagraph (A)—

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

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

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

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

(E) in paragraph (3), by striking “prescribe policy to streamline the investments in alternative fuel activities across the Department of
Defense’’ and inserting ‘‘recommend to the Secretary policy to improve warfighting capability through energy security and energy resilience’’;

and

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

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

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

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

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

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

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

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

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

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

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

(d) Authority To Enter Into Agreements.—The
Secretary concerned may enter into such grants, cooperative
agreements, or contracts with a local water authority as
may be necessary to implement this section.

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

(f) Termination of Authority.—The authority
under this section shall terminate on September 30, 2021.

(g) Retroactive Effect.—Notwithstanding para-
graphs (1), (3), (4) of subsection (b), the Secretary con-
cerned may reimburse a local water authority or a State
for the treatment of drinking water pursuant to this section
if—

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

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

(h) CONFORMING AMENDMENTS.—

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

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

(A) by striking “The terms ‘environment’, ‘facility’, and inserting “(A) The terms ‘environment’, “; and

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

“(B) The term ‘facility’—

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

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

(i) DEFINITIONS.—In this section—

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

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

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

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

SEC. 321. REPORTS ON READINESS.

(a) Uniform applicability of Readiness Reporting System.—Subsection (b) of section 117 of title 10, United States Code, is amended—

(1) by inserting “and maintaining” after “establishing”;

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

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

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

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

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

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

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

(b) Capabilities of Readiness Reporting System.—Such section is further amended in subsection (c)—

(1) in paragraph (1)—

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

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

(2) in paragraph (2)—

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

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

(3) in paragraph (3)—

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

(B) by striking “wartime missions” and inserting “designed and assigned missions”;
(4) in paragraph (4), by striking “Measure, on a monthly basis,” and inserting “Measure”;

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

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

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

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

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

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

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

(3) by inserting after subsection (e) the following new subsection:
“(f) Quarterly Report on Monthly Changes in Current State of Readiness of Units.—The Secretary shall each quarter submit to the congressional defense committees a report on each monthly upgrade or downgrade of the current state of readiness of a unit that was issued by the commander of a unit during the previous quarter, together with the rationale of the commander for the issuance of such upgrade or downgrade.”.

(e) Annual Report to Congress on Operational Contract Support.—Such section is further amended by inserting after subsection (f), as added by subsection (d) of this section, the following new subsection:

“(g) Annual Report on Operational Contract Support.—The Secretary shall each year submit to the congressional defense committees a report in writing containing the results of the most recent annual measurement of the capability of operational contract support to support current and anticipated wartime missions of the armed forces. Each such report shall be submitted in unclassified form, but may include a classified annex.”.

(f) Regulations.—Such section is further amended in subsection (h), as redesignated by subsection (d) of this section, by striking “prescribe the units that are subject to reporting in the readiness reporting system, what type of equipment is subject to such reporting” and inserting “pre-
scribe the established information technology system for Department of Defense reporting, specifically authorize exceptions to a single-system architecture, and identify the organizations, units, and entities that are subject to reporting in the readiness reporting system, what organization resources are subject to such reporting”.

(g) CONFORMING AMENDMENTS.—

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

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

“117. Readiness reporting system.”.

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

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

(b) ELEMENTS.—The report required by subsection (a) shall include the following:
(1) A description of current cold weather capabilities and training to support United States military operations in cold climates across the joint force.

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

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

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

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

Subtitle D—Other Matters

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

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

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

(b) Requirement for both Military Information Support and Civil Affairs Capabilities.—

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

(2) No military information support capability.—A pilot program may be carried out in a region or country in which no military information support capability is deployed if the program is complemented by a Department of State public diplomacy effort that contributes to the fulfillment of the
objectives of the commander of the combatant command concerned to convey information to foreign audiences in the region or county to influence their emotions, motives, objective reasoning, and behavior in support of the applicable theater campaign plan.

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

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

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

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

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

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

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

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

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

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

   (F) If a pilot program was concluded, an assessment of the value of the program, a de-
scription and assessment of lessons learned through the program, and any recommendations the Secretary considers appropriate for follow-on efforts in connection with the program.

(e) FUNDING.—

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

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

(f) DEFINITIONS.—In this section:

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

(2) MILITARY INFORMATION SUPPORT.—The term “military information support” means oper-
ations to convey selected information and indicators
to foreign audiences to influence their emotions, mo-
tives, objective reasoning, and ultimately the behavior
of foreign governments, organizations, groups, and indi-
viduals in a manner favorable to the objectives of
those planning such operations.

(3) The theater campaign plan.—The term “the-
ater campaign plan” means a plan developed by a
combatant command for the steady-state activities of
the command, including operations, security coopera-
tion, and other activities designed to achieve strategic
end states in the theater.

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

Along with the budget for each fiscal year submitted
by the President pursuant to section 1105(a) of title 31,
United States Code, the Secretary of Defense and the Secre-
taries of the military departments shall include in the OP-
5 Justification Books as detailed by Department of Defense
Financial Management Regulation 7000.14–R the amount
for each individual subactivity group (SAG) as detailed in
the Department’s future years defense program pursuant to
section 221 of title 10, United States Code.
SEC. 333. RESTRICTION ON UPGRADES TO AVIATION DEMONSTRATION TEAM AIRCRAFT.

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

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

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

Of the funds authorized to be appropriated by this Act for Operation and Maintenance, Defense-wide for U.S. Special Operations Command civilian personnel, not less than $6,200,000 shall be used to fund the detail of civilian personnel to the office of the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict to support the Secretariat for Special Operations.
SEC. 335. LIMITATION ON AVAILABILITY OF FUNDS FOR SERVICE-SPECIFIC DEFENSE READINESS REPORTING SYSTEMS.

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

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

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

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

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

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

(B) consideration of cost and schedule.

(3) Submission to Congress.—Not later than February 1, 2020, the Secretary of Defense shall sub-
mit to the congressional defense committees the assessment conducted pursuant to paragraph (1).

(e) **Defense Readiness Reporting Requirements.**—To the maximum extent practicable, the Secretary of Defense shall meet defense readiness reporting requirements consistent with the recommendations of the working group established under subsection (d)(1).

SEC. 336. **Repurposing and Reuse of Surplus Army Firearms.**

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

SEC. 337. **Limitation on Availability of Funds for Establishment of Additional Specialized Undergraduate Pilot Training Facility.**

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

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

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

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

(c) REPORT.—

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Subtitle E—Logistics and Sustainment

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

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

AUTHORIZATIONS

Subtitle A—Active Forces

SEC. 401. END STRENGTHS FOR ACTIVE FORCES.

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

(1) The Army, 485,741.
(2) The Navy, 331,900.
(3) The Marine Corps, 186,100.

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

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

(1) The Army:
    (A) Colonel, 3,970.
    (B) Lieutenant colonel, 8,700.
    (C) Major, 15,470.

(2) The Navy:
    (A) Captain, 3,060.
    (B) Commander, 6,670.
    (C) Lieutenant commander, 11,010.

(3) The Marine Corps:
    (A) Colonel, 650.
Subtitle B—Reserve Forces

SEC. 411. END STRENGTHS FOR SELECTED RESERVE.

(a) In General.—The Armed Forces are authorized strengths for Selected Reserve personnel of the reserve components as of September 30, 2019, as follows:

   (1) The Army National Guard of the United States, 343,500.
   (2) The Army Reserve, 199,500.
   (3) The Navy Reserve, 59,000.
   (4) The Marine Corps Reserve, 38,500.
   (5) The Air National Guard of the United States, 106,600.
   (6) The Air Force Reserve, 69,800.
   (7) The Coast Guard Reserve, 7,000.

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

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

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

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

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

Within the end strengths prescribed in section 411(a), the reserve components of the Armed Forces are authorized, as of September 30, 2019, the following number of Reserves to be serving on full-time active duty or full-time duty, in the case of members of the National Guard, for the purpose of organizing, administering, recruiting, instructing, or training the reserve components:
(1) The Army National Guard of the United States, 30,155.

(2) The Army Reserve, 16,261.


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

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


SEC. 413. END STRENGTHS FOR MILITARY TECHNICIANS (DUAL STATUS).

The minimum number of military technicians (dual status) as of the last day of fiscal year 2019 for the reserve components of the Army and the Air Force (notwithstanding section 129 of title 10, United States Code) shall be the following:

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

(2) For the Army Reserve, 6,492.

(3) For the Air National Guard of the United States, 18,969.

(4) For the Air Force Reserve, 8,880.
SEC. 414. MAXIMUM NUMBER OF RESERVE PERSONNEL AUTHORIZED TO BE ON ACTIVE DUTY FOR OPERATIONAL SUPPORT.

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

1. The Army National Guard of the United States, 17,000.
2. The Army Reserve, 13,000.
3. The Navy Reserve, 6,200.
4. The Marine Corps Reserve, 3,000.
5. The Air National Guard of the United States, 16,000.
6. The Air Force Reserve, 14,000.

Subtitle C—Authorization of Appropriations

SEC. 421. MILITARY PERSONNEL.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for military personnel, as specified in the funding table in section 4401.
(b) CONSTRUCTION OF AUTHORIZATION.—The author-
ization of appropriations in subsection (a) supersedes any
other authorization of appropriations (definite or indefi-
nite) for such purpose for fiscal year 2019.

SEC. 422. LIMITATION ON USE OF FUNDS FOR PERSONNEL

IN FISCAL YEAR 2019 IN EXCESS OF STATU-
TORILY SPECIFIED END STRENGTHS FOR FIS-
CAL YEAR 2018.

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

Subtitle A—Officer Personnel Policy

PART I—OFFICER PERSONNEL MANAGEMENT REFORM

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

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

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

SEC. 502. ANNUAL DEFENSE MANPOWER REQUIREMENTS REPORT MATTERS.

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

† HR 5515 PAP
(b) Specification of Anticipated Opportunities for Promotion of Commissioned Officers.—Subsection (d) of such section is amended by adding the following new paragraph:

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

(c) Enumeration of Required Numbers of Certain Commissioned Officers.—Such section is further amended by adding at the end the following new subsection:

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

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

“(2) Lieutenant commander, commander, and captain of the Navy.”.
SEC. 503. REPEAL OF REQUIREMENT FOR ABILITY TO COMPLETE 20 YEARS OF SERVICE BY AGE 62 AS QUALIFICATION FOR ORIGINAL APPOINTMENT AS A REGULAR COMMISSIONED OFFICER.

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

(1) by striking paragraph (2); and

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

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

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

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

(a) REGULAR OFFICERS.—

(1) IN GENERAL.—Subsection (b) of section 533 of title 10, United States Code, is amended—
(A) in paragraph (1), by striking subparagraph (D) and inserting the following new subparagraph (D):

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

(B) in paragraph (2)—

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

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

(2) Repeal of temporary authority for service credit for critically necessary cyber-space-related experience.—Such section is further amended—
(A) in subsections (a)(2) and (c), by striking “or (g)”; and

(B) by striking subsection (g).

(b) Reserve Officers.—

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

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

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

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

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

(2) Repeal of temporary authority for service credit for critically necessary cyber-
SPACE-RELATED EXPERIENCE.—Such section is further amended—

(A) by striking subsection (e);

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

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

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

(a) Standardized Temporary Promotion Authority.—

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

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

“(a) In general.—An officer in the grade of first lieutenant, captain, major, or lieutenant colonel in the Army, Air Force, or Marine Corps, or lieutenant (junior grade), lieutenant, lieutenant commander, or commander in
the Navy, who is described in subsection (b) may be tempo-
rarily promoted to the grade of captain, major, lieutenant 
colonel, or colonel in the Army, Air Force, or Marine Corps, 
or lieutenant, lieutenant commander, commander, or cap-
tain in the Navy, as applicable, under regulations pre-
scribed by the Secretary of the military department con-
cerned. Appointments under this section shall be made by 
the President, by and with the advice and consent of the 
Senate.

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

“(1) has a skill in which the armed force con-
cerned has a critical shortage of personnel (as deter-
mined by the Secretary of the military department 
concerned); and

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

“(A) is designated to be held by a captain, 
major, lieutenant colonel, or colonel in the Army, 
Air Force, or Marine Corps, or lieutenant, lieu-
tenant commander, commander, or captain in 
the Navy, as applicable; and
“(B) requires that an officer serving in such position have the skill possessed by such officer.

“(c) STATUS OF OFFICERS APPOINTED.—

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

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

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

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

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

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

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

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

“(A) as captain, 120;
“(B) as major, 350;
“(C) as lieutenant colonel, 200; and
“(D) as colonel, 100.

“(2) In the case of the Air Force—

“(A) as captain, 100;
“(B) as major, 325;
“(C) as lieutenant colonel, 175; and
“(D) as colonel, 80.

“(3) In the case of the Marine Corps—

“(A) as captain, 50;
“(B) as major, 175;
“(C) as lieutenant colonel, 100; and
“(D) as colonel, 50.

“(4) In the case of the Navy—

“(A) as lieutenant, 100;
“(B) as lieutenant commander, 325;
“(C) as commander, 175; and
“(D) as captain, 80.”.

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

“605. Promotion to certain grades for officers with critical skills: colonel, lieutenant colonel, major, captain; captain, commander, lieutenant commander, lieutenant.”.
(b) **Repeal of Superseded Authority Applicable to Navy Lieutenants.**—

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

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

**Sec. 506. Authority for Promotion Boards to Recommend Officers of Particular Merit Be Placed Higher on a Promotion List.**

(a) **DOPMA Boards.**—

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

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

“(2) An officer may be recommended to be placed higher on a promotion list under paragraph (1) only if the offi-
cer receives the recommendation of at least a majority of
the members of the board, unless the Secretary concerned
establishes an alternative requirement. Any such alternative
requirement shall be furnished to the board as part of the
guidelines furnished to the board under section 615 of this
title.

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

(2) Promotion selection board reports

recommending officers of particular merit be
placed higher on promotion list.—Section 617
of such title is amended by adding at the end the fol-
lowing new subsection:

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

(3) Officers of particular merit appearing

higher on promotion list.—Section 624(a)(1) of
such title is amended in the first sentence by adding
at the end “or based on particular merit, as determined by the promotion board”.

(b) ROPMA BOARDS.—

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

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

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

    “(3) For the officers recommended to be placed higher on a promotion list under paragraph (1), the board shall recommend the order in which those officers should be placed on the list.”.
(2) Promotion board reports recommending officers of particular merit be placed higher on promotion list.—Section 14109 of such title is amended by adding at the end the following new sub-section:

“(d) Officers of particular merit.—A promotion board convened under section 14101(a) of this title shall, when authorized under section 14108(f) of this title, include in its report to the Secretary concerned the names of those officers recommended by the board to be placed higher on the promotion list and the order in which the board recommends that those officers should be placed on the list.”.

(3) Officers of particular merit appearing higher on promotion list.—Section 14308(a) of such title is amended in the first sentence by adding at the end “or based on particular merit, as determined by the promotion board”.

Sec. 507. Authority for officers to opt out of promotion board consideration.

(a) Active-duty list officers.—Section 619 of title 10, United States Code, is amended—

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

“(6) An officer excluded under subsection (e).”;

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

“(e) Authority To Allow Officers To Opt Out of Selection Board Consideration.—(1) The Secretary of a military department may provide that an officer under the jurisdiction of the Secretary may, upon the officer’s request and with the approval of the Secretary, be excluded from consideration by a selection board convened under section 611(a) of this title to consider officers for promotion to the next higher grade.

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

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

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

“(C) the officer has not previously failed of selection for promotion to the grade for which the officer requests the exclusion from consideration.”.

(b) Reserve Active-Status List Officers.—Section 14301 of such title is amended—
(1) in subsection (c)—

(A) in the subsection heading, by striking “PREVIOUSLY SELECTED OFFICERS NOT ELIGIBLE” and inserting “CERTAIN OFFICERS NOT”;

and

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

“(6) An officer excluded under subsection (j).”;

and

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

“(j) AUTHORITY TO ALLOW OFFICERS TO OPT OUT OF SELECTION BOARD CONSIDERATION.—(1) The Secretary a military department may provide that an officer under the jurisdiction of the Secretary may, upon the officer’s request and with the approval of the Secretary, be excluded from consideration by a selection board convened under section 14101(a) of this title to consider officers for promotion to the next higher grade.

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

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

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

“(C) the officer has not previously failed of selection for promotion to the grade for which the officer requests the exclusion from consideration.”.

SEC. 508. COMPETITIVE CATEGORY MATTERS.

Section 621 of title 10, United States Code, is amended—

(1) by inserting “(a) COMPETITIVE CATEGORIES.—” before “Under regulations”; and

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

“(b) BASES FOR COMPETITIVE CATEGORIES.—Competitive categories shall be established on the bases as follows:

“(1) Officers occupying similar officer qualifications, specialties, occupations, or ratings shall be grouped together.

“(2) Promotion timing, promotion opportunity, and officer career length shall each be tailored to particular officer qualifications, specialties, occupations, or ratings.
“(c) CONSISTENCY NOT REQUIRED IN PROMOTION TIMING OR OPPORTUNITY.—In establishing competitive categories, the Secretary of a military department shall not be required to provide consistency in promotion timing or promotion opportunity among competitive categories of the armed force concerned.”.

SEC. 509. PROMOTION ZONE MATTERS.

(a) ALIGNMENT WITH ANNUAL DEFENSE MANPOWER REQUIREMENTS REPORTS.—Subsection (b) of section 623 of title 10, United States Code, is amended—

(1) in paragraph (3), by striking “and” at the end;

(2) in paragraph (4), by striking the period at the end and inserting “; and”;

(3) by adding after paragraph (4) the following new paragraph (5):

“(5) the alignment of opportunities for promotion for officers considered by any particular selection board with opportunities for promotion in the next year as estimated pursuant to paragraph (4) and reported in the annual defense manpower requirements report covering such year under section 115a of this title.”.
(b) Prohibition on Determination of Officers in Promotion Zone Based on Year of Original Appointment to Current Grade.—

(1) In General.—Such section is further amended by adding at the end the following new subsection:

“(c) The Secretary concerned may not determine the number of officers in a promotion zone on the basis of the year in which officers receive their original appointment in their current grade.”.

(2) Effective Date.—The amendment made by paragraph (1) shall take effect on the date of the enactment of this Act, and shall apply with respect to promotion zones established for promotion selection boards convened on or after that date.

SEC. 510. ALTERNATIVE PROMOTION AUTHORITY FOR OFFICERS IN DESIGNATED COMPETITIVE CATEGORIES OF OFFICERS.

(a) Alternative Promotion Authority.—

(1) In General.—Chapter 36 of title 10, United States Code, is amended by adding at the end the following new subchapter:
"SUBCHAPTER VI—ALTERNATIVE PROMOTION

AUTHORITY FOR OFFICERS IN DESIGNATED COMPETITIVE CATEGORIES

"Sec.
"649a. Officers in designated competitive categories.
"649b. Selection for promotion.
"649c. Eligibility for consideration for promotion.
"649d. Opportunities for consideration for promotion.
"649e. Promotions.
"649f. Failure of selection for promotion.
"649g. Retirement: retirement for years of service; selective early retirement.
"649h. Continuation on active duty.
"649h-1. Continuation on active duty: officers in certain military specialties and career tracks.
"649i. Other administrative authorities.
"649j. Regulations.

"§649a. Officers in designated competitive categories

“(a) Authority To Designate Competitive Categories of Officers.—Each Secretary of a military department may designate one or more competitive categories for promotion of officers under section 621 of this title that are under the jurisdiction of such Secretary as a competitive category of officers whose promotion, retirement, and continuation on active duty shall be subject to the provisions of this subchapter.

“(b) Limitation on Exercise of Authority.—The Secretary of a military department may not designate a competitive category of officers for purposes of this subchapter until 60 days after the date on which the Secretary submits to the Committees on Armed Services of the Senate and the House of Representatives a report on the designa-
tion of the competitive category. The report on the designation of a competitive category shall set forth the following:

“(1) A detailed description of officer requirements for officers within the competitive category.

“(2) An explanation of the number of opportunities for consideration for promotion to each particular grade, and an estimate of promotion timing, within the competitive category.

“(3) An estimate of the size of the promotion zone for each grade within the competitive category.

“(4) A description of any other matters the Secretary considered in determining to designate the competitive category for purposes of this subchapter.

“§ 649b. Selection for promotion

“(a) In General.—Except as provided in this section, the selection for promotion of officers in any competitive category of officers designated for purposes of this subchapter shall be governed by the provisions of subchapter I of this chapter.

“(b) No Recommendation for Promotion of Officers Below Promotion Zone.—Section 616(b) of this title shall not apply to the selection for promotion of officers described in subsection (a).

“(c) Recommendation for Officers To Be Excluded From Future Consideration for Pro-
MOTION.—In making recommendations pursuant to section 616 of this title for purposes of the administration of this subchapter, a selection board convened under section 611(a) of this title may recommend that an officer considered by the board be excluded from future consideration for promotion under this chapter.

§ 649c. Eligibility for consideration for promotion

(a) In general.—Except as provided by this section, eligibility for promotion of officers in any competitive category of officers designated for purposes of this subchapter shall be governed by the provisions of section 619 of this title.

(b) Inapplicability of certain time-in-grade requirements.—Paragraphs (2) through (4) of section 619(a) of this title shall not apply to the promotion of officers described in subsection (a).

(c) Inapplicability to officers above and below promotion zone.—The following provisions of section 619(c) of this title shall not apply to the promotion of officers described in subsection (a):

(1) The reference in paragraph (1) of that section to an officer above the promotion zone.

(2) Paragraph (2)(A) of that section.
“(d) INELIGIBILITY OF CERTAIN OFFICERS.—The following officers are not eligible for promotion under this subchapter:

“(1) An officer described in section 619(d) of this title.

“(2) An officer not included within the promotion zone.

“(3) An officer who has failed of promotion to a higher grade the maximum number of times specified for opportunities for promotion for such grade within the competitive category concerned pursuant to section 649d of this title.

“(4) An officer recommended by a selection board to be removed from consideration for promotion in accordance with section 649b(c) of this title.

“§649d. Opportunities for consideration for promotion

“(a) SPECIFICATION OF NUMBER OF OPPORTUNITIES FOR CONSIDERATION FOR PROMOTION.—In designating a competitive category of officers pursuant to section 649a of this title, the Secretary of a military department shall specify the number of opportunities for consideration for promotion to be afforded officers of the armed force concerned within the category for promotion to each grade
above the grade of first lieutenant or lieutenant (junior grade), as applicable.

“(b) Limited Authority of Secretary of Military Department to Modify Number of Opportunities.—The Secretary of a military department may modify the number of opportunities for consideration for promotion to be afforded officers of an armed force within a competitive category for promotion to a particular grade, as previously specified by the Secretary pursuant subsection (a) or this subsection, not more frequently than once every five years.

“(c) Discretionary Authority of Secretary of Defense to Modify Number of Opportunities.—The Secretary of Defense may modify the number of opportunities for consideration for promotion to be afforded officers of an armed force within a competitive category for promotion to a particular grade, as previously specified or modified pursuant to any provision of this section, at the discretion of the Secretary.

“(d) Limitation on Number of Opportunities Specified.—The number of opportunities for consideration for promotion to be afforded officers of an armed force within a competitive category for promotion to a particular grade, as specified or modified pursuant to any provision of this section, may not exceed five opportunities.
“(e) Effect of Certain Reduction in Number of Opportunities Specified.—If, by reason of a reduction in the number of opportunities for consideration for promotion under this section, an officer would no longer have one or more opportunities for consideration for promotion that were available to the officer before the reduction, the officer shall be afforded one additional opportunity for consideration for promotion after the reduction.

“§ 649e. Promotions

“Sections 620 through 626 of this title shall apply in promotions of officers in competitive categories of officers designated for purposes of this subchapter.

“§ 649f. Failure of selection for promotion

“(a) In General.—Except as provided in this section, sections 627 through 632 of this title shall apply to promotions of officers in competitive categories of officers designated for purposes of this subchapter.

“(b) Inapplicability of Failure of Selection for Promotion to Officers Above Promotion Zone.—The reference in section 627 of this title to an officer above the promotion zone shall not apply in the promotion of officers described in subsection (a).

“(c) Special Selection Board Matters.—The reference in section 628(a)(1) of this title to a person above
the promotion zone shall not apply in the promotion of officers described in subsection (a).

“(d) EFFECT OF FAILURE OF SELECTION.—In the administration of this subchapter pursuant to subsection (a)—

“(1) an officer described in subsection (a) shall not be deemed to have failed twice of selection for promotion for purposes of section 629(e)(2) of this title until the officer has failed selection of promotion to the next higher grade the maximum number of times specified for opportunities for promotion to such grade within the competitive category concerned pursuant to section 649d of this title; and

“(2) any reference in section 631(a) or 632(a) of this title to an officer who has failed of selection for promotion to the next higher grade for the second time shall be deemed to refer instead to an officer described in subsection (a) who has failed of selection for promotion to the next higher grade for the maximum number of times specified for opportunities for promotion to such grade within the competitive category concerned pursuant to such section 649d.
“§649g. Retirement: retirement for years of service; selective early retirement

“(a) Retirement for Years of Services.—Sections 633 through 636 of this title shall apply to the retirement of officers in competitive categories of officers designated for purposes of this subchapter.

“(b) Selective Early Retirement.—Sections 638 and 638a of this title shall apply to the retirement of officers described in subsection (a).

“§649h. Continuation on active duty

“(a) In General.—An officer subject to discharge or retirement pursuant to this subchapter may, subject to the needs of the service, be continued on active duty if the officer is selected for continuation on active duty in accordance with this section by a selection board convened under section 611(b) of this title.

“(b) Identification of Positions for Officers Continued on Active Duty.—

“(1) In General.—Officers may be selected for continuation on active duty pursuant to this section only for assignment to positions identified by the Secretary of the military department concerned for which vacancies exist or are anticipated to exist.

“(2) Identification.—Before convening a selection board pursuant to section 611(b) of this title for purposes of selection of officers for continuation on
active duty pursuant to this section, the Secretary of
the military department concerned shall specify for
purposes of the board the positions identified by the
Secretary to which officers selected for continuation
on active duty may be assigned.

“(c) Recommendation for Continuation.—A selection
board may recommend an officer for continuation on
active duty pursuant to this section only if the board deter-
mines that the officer is qualified for assignment to one or
more positions identified pursuant to subsection (b) on the
basis of skills, knowledge, and behavior required of an offi-
cer to perform successfully in such position or positions.

“(d) Approval of Secretary of Military Department.—Continuation of an officer on active duty under
this section pursuant to the action of a selection board is
subject to the approval of the Secretary of the military de-
partment concerned.

“(e) Nonacceptance of Continuation.—An officer
who is selected for continuation on active duty pursuant
to this section, but who declines to continue on active duty,
shall be discharged or retired, as appropriate, in accordance
with section 632 of this title.

“(f) Period of Continuation.—

“(1) In general.—An officer continued on ac-

"
tive duty, and serve in the position to which assigned (or in another position to which assigned with the approval of the Secretary of the military department concerned), for a total of not more than three years after the date of assignment to the position to which first so assigned.

“(2) ADDITIONAL CONTINUATION.—An officer whose continued service pursuant to this section would otherwise expire pursuant to paragraph (1) may be continued on active duty if selected for continuation on active duty in accordance with this section before the date of expiration pursuant to that paragraph.

“(g) EFFECT OF EXPIRATION OF CONTINUATION.—Each officer continued on active duty pursuant to this subsection who is not selected for continuation on active duty pursuant to subsection (f)(2) at the completion of the officer's term of continued service shall, unless sooner discharged or retired under another provision of law—

“(1) be discharged upon the expiration of the term of continued service; or

“(2) if eligible for retirement under another other provision of law, be retired under that law on the first day of the first month following the month in
which the officer completes the term of continued service.

“(h) Treatment of Discharge or Retirement.—The discharge or retirement of an officer pursuant to this section shall be considered to be an involuntary discharge or retirement for purposes of any other provision of law.

“§ 649h-1. Continuation on active duty: officers in certain military specialties and career tracks

“In addition to continuation on active duty provided for in section 649h of this title, an officer to whom section 637a of this title applies may be continued on active duty in accordance with the provisions of such section 637a.

“§ 649i. Other administrative authorities

“(a) In General.—The following provisions of this title shall apply to officers in competitive categories of officers designated for purposes of this subchapter:

“(1) Section 638b, relating to voluntary retirement incentives.

“(2) Section 639, relating to continuation on active duty to complete disciplinary action.

“(3) Section 640, relating to deferment of retirement or separation for medical reasons.

“§ 649j. Regulations

“The Secretary of Defense shall prescribe regulations regarding the administration of this subchapter. The ele-
ments of such regulations shall include mechanisms to clarify the manner in which provisions of other subchapters of this chapter shall be used in the administration of this subchapter in accordance with the provisions of this subchapter.”.

(2) Clerical Amendment.—The table of subchapters at the beginning of chapter 36 of such title is amended by adding at the end the following new item:

“VI. Alternative Promotion Authority for Officers in Designated Competitive Categories ........................ 649a”.

(b) Report.—

(1) In General.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall, in consultation with the Secretaries of the military departments, submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the authorities in subchapter VI of chapter 36 of title 10, United States Code (as added by subsection (a)).

(2) Elements.—The report shall include the following:

(A) A detailed analysis and assessment of the manner in which the exercise of the authorities in subchapter VI of chapter 36 of title 10, United States Code (as so added), will effect the
career progression of commissioned officers in the Armed Forces.

(B) A description of the competitive categories of officers that are anticipated to be designated as competitive categories of officers for purposes of such authorities.

(C) A plan for implementation of such authorities.

(D) Such recommendations for legislative or administrative action as the Secretary of Defense considers appropriate to improve or enhance such authorities.

SEC. 511. APPLICABILITY TO ADDITIONAL OFFICER GRADES OF AUTHORITY FOR CONTINUATION ON ACTIVE DUTY OF OFFICERS IN CERTAIN MILITARY SPECIALTIES AND CAREER TRACKS.

Section 637a(a) of title 10, United States Code, is amended—

(1) by striking “grade O–4” and inserting “grade O–2”; and

(2) by inserting “632,” before “633,”.
PART II—OTHER MATTERS

SEC. 516. MATTERS RELATING TO SATISFACTORY SERVICE IN GRADE FOR PURPOSES OF RETIREMENT

GRADE OF OFFICERS IN HIGHEST GRADE OF SATISFACTORY SERVICE.

(a) Conditional Determinations of Grade of Satisfactory Service.—

(1) In general.—Subsection (a)(1) of section 1370 of title 10, United States Code, is amended by adding at the end the following new sentences: “When an officer is under investigation for alleged misconduct at the time of retirement, the Secretary concerned may conditionally determine the highest grade of satisfactory service of the officer pending completion of the investigation. Such grade is subject to reopening in accordance with subsection (f).”.

(2) Officers in O–9 and O–10 grades.—Subsection (c) of such section is amended by adding at the end the following new paragraph:

“(4) The Secretary of Defense may make a conditional certification regarding satisfactory service in grade under paragraph (1) with respect to an officer under that paragraph notwithstanding the fact that there is pending the disposition of an adverse personnel action against the officer for alleged misconduct. The retired grade of an officer
following such a conditional certification is subject to re-
opening in accordance with subsection (f).”.

(3) Reserve Officers.—Subsection (d)(1) of such section is amended by adding at the end the fol-
lowing new sentences: “When an officer is under in-
vestigation for alleged misconduct at the time of re-
tirement, the Secretary concerned may conditionally
determine the highest grade of satisfactory service of
the officer pending completion of the investigation.
Such grade is subject to reopening in accordance with
subsection (f).”.

(b) Determinations of Satisfactory Service.—
Such section is further amended—

(1) by redesignating subsection (e) as subsection
(g); and

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

“(e) Determinations of Satisfactory Service in
Grade.—The determination whether an officer’s service in
grade is satisfactory for purposes of any provision of this
section shall—

“(1) be based on quantitative and qualitative con-
siderations;

“(2) take into account both acts and omissions;

and
“(3) take into account service in current grade and in any prior grade in which served (whether a lower or higher grade).”.

(c) **Finality of Retired Grade Determinations.**—Such section is further amended by inserting after subsection (e), as amended by subsection (b) of this section, the following new subsection:

“(f) **Finality of Retired Grade Determinations.**—(1) Except as otherwise provided by law, a determination or certification of the retired grade of an officer pursuant to this section is administratively final on the day the officer is retired, and may not be reopened.

“(2) A determination or certification of the retired grade of an officer may be reopened as follows:

“(A) If the retirement or retired grade of the officer was procured by fraud.

“(B) If substantial evidence comes to light after the retirement that could have led to a lower retired grade under this section if known by competent authority at the time of retirement.

“(C) If a mistake of law or calculation was made in the determination of the retired grade.

“(D) In the case of a retired grade following a conditional determination under subsection (a)(1) or (d)(1) or conditional certification under subsection
(c)(4), if the investigation of or personnel action against the officer, as applicable, results in adverse findings.

“(E) If the Secretary concerned determines, pursuant to regulations prescribed by the Secretary of Defense, that good cause exists to reopen the determination or certification.

“(3) If a determination or certification of the retired grade of an officer is reopened, the Secretary concerned—

“(A) shall notify the officer of the reopening; and

“(B) may not make an adverse determination on the retired grade of the officer until the officer has had a reasonable opportunity to respond regarding the basis of the reopening.

“(4) If a certification of the retired grade of an officer covered by subsection (c) is reopened, the Secretary concerned shall also notify the President and Congress of the reopening.

“(5) If the retired grade of an officer is reduced through the reopening of the officer’s retired grade, the retired pay of the officer under chapter 71 of this title shall be recalculated, and any modification of the retired pay of the officer shall go into effect on the effective date of the reduction of the officer’s retired grade.”.
(d) **Effective Date.**—The amendments made by subsection (a) shall take effect on the date of the enactment of this Act, and shall apply with respect to officers who retire from the Armed Forces on or after that date.

**SEC. 517. REDUCTION IN NUMBER OF YEARS OF ACTIVE NAVAL SERVICE REQUIRED FOR PERMANENT APPOINTMENT AS A LIMITED DUTY OFFICER.**

Section 5589(d) of title 10, United States Code, is amended by striking “10 years” and inserting “8 years”.

**SEC. 518. REPEAL OF ORIGINAL APPOINTMENT QUALIFICATION REQUIREMENT FOR WARRANT OFFICERS IN THE REGULAR ARMY.**

(a) **In General.**—Section 3310 of title 10, United States Code, is repealed.

(b) **Clerical Amendment.**—The table of sections at the beginning of chapter 335 of such title is amended by striking the item relating to section 3310.

**SEC. 519. UNIFORM GRADE OF SERVICE OF THE CHIEFS OF CHAPLAINS OF THE ARMED FORCES.**

The grade of service as Chief of Chaplains of the Army, Chief of Chaplains of the Navy, and Chief of Chaplains of the Air Force of an officer serving in such position shall be such grade as the Secretary of Defense shall specify. The grade of service shall be the same for service in each such position.
SEC. 520. WRITTEN JUSTIFICATION FOR APPOINTMENT OF CHIEFS OF CHAPLAINS IN GRADE BELOW GRADE OF MAJOR GENERAL OR REAR ADMIRAL.

(a) Chief of Chaplains of the Army.—Section 3036 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(h) If an individual is appointed Chief of Chaplains in a regular grade below the grade of major general, the Secretary of the Army shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth in writing the justification for the appointment of the individual as Chief of Chaplains in such lower grade.”.

(b) Chief of Chaplains of the Navy.—Section 5142(b) of such title is amended—

(1) by inserting “(1)” after “(b)”; and

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

“(2) If an individual is appointed Chief of Chaplains in a regular grade below the grade of rear admiral, the Secretary of the Navy shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth in writing the justification for the appointment of the individual as Chief of Chaplains in such lower grade.”.
(c) Chief of Chaplains of the Air Force.—Section 8039(a) of such title is amended—

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

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

“(2) If an individual is appointed Chief of Chaplains in a regular grade below the grade of major general, the Secretary of the Air Force shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth in writing the justification for the appointment of the individual as Chief of Chaplains in such lower grade.”.

Subtitle B—Reserve Component Management

Sec. 521. Authority to Adjust Effective Date of Promotion in the Event of Undue Delay in Extending Federal Recognition of Promotion.

(a) In General.—Section 14308(f) of title 10, United States Code, is amended—

(1) by inserting “(1)” before “The effective date of promotion”; and

(2) by adding at the end the following new paragraph:
“(2) If the Secretary concerned determines that there was an undue delay in extending Federal recognition in the next higher grade in the Army National Guard or the Air National Guard to a reserve commissioned officer of the Army or the Air Force, and the delay was not attributable to the action (or inaction) of such officer, the effective date of the promotion concerned under paragraph (1) may be adjusted to a date determined by the Secretary concerned, but not earlier than the effective date of the State promotion.”.

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on the date of the enactment of this Act, and shall apply with respect to promotions of officers whose State effective date is on or after that date.

SEC. 522. AUTHORITY TO DESIGNATE CERTAIN RESERVE OFFICERS AS NOT TO BE CONSIDERED FOR SELECTION FOR PROMOTION.

Section 14301 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(j) CERTAIN OFFICERS NOT TO BE CONSIDERED FOR SELECTION FOR PROMOTION.—The Secretary of the military department concerned may provide that an officer who is in an active status, but is in a duty status in which the only points the officer accrues under section 12732(a)(2) of this title are pursuant to subparagraph (C)(i) of that...
section (relating to membership in a reserve component),
shall not be considered for selection for promotion until
completion of two years of service in such duty status. Any
such officer may remain on the reserve active-status list.”.

SEC. 523. EXPANSION OF PERSONNEL SUBJECT TO AU-
THORITY OF THE CHIEF OF THE NATIONAL
GUARD BUREAU IN THE EXECUTION OF
FUNCTIONS AND MISSIONS OF THE NA-
TIONAL GUARD BUREAU.

Section 10508(b)(1) of title 10, United States Code, is
amended by striking “sections 2103,” and all that follows
through “of title 32,” and inserting “sections 2102, 2103,
2105, and 3101, and subchapter IV of chapter 53, of title
5, or sections 328 and 709 of title 32,”.

SEC. 524. REPEAL OF PROHIBITION ON SERVICE ON ARMY
RESERVE FORCES POLICY COMMITTEE BY
MEMBERS ON ACTIVE DUTY.

Section 10302 of title 10, United States Code, is
amended—

(1) in subsection (b), by striking “not on active
duty” each place it appears; and

(2) in subsection (c)—

(A) by inserting “of the reserve components”
after “among the members”; and

(B) by striking “not on active duty”.

† HR 5515 PAP
Subtitle C—General Service

Authorities

SEC. 531. ASSESSMENT OF NAVY STANDARD WORKWEEK AND RELATED ADJUSTMENTS.

(a) ASSESSMENT.—The Secretary of the Navy shall conduct a comprehensive assessment of the Navy standard workweek.

(b) OTHER REQUIREMENTS.—The Secretary shall—

(1) update Office of the Chief of Naval Operations Instruction 1000.16L in order to—

(A) obtain an examination of current in-port workloads; and

(B) identify the manpower necessary to execute in-port workload for all surface ship classes;

(2) update the criteria used in the Instruction referred to in paragraph (1) that are used to reassess the factors used to calculate manpower requirements periodically or when conditions change; and

(3) using the updates required by paragraphs (1) and (2), identify personnel needs and costs associated with the planned larger size of the Navy fleet.

(c) ADDED DEMANDS.—The Secretary shall identify and quantify added demands on Navy ship crews, including Ready Relevant Learning training periods and additional
work that affects readiness and technical qualifications for Navy ship crews.

(d) **DEADLINE.**—The Secretary shall complete carrying out the requirements in this section by not later than 180 days after the date of the enactment of this Act.

**SEC. 532. MANNING OF FORWARD DEPLOYED NAVAL FORCES.**

Commencing not later than October 1, 2019, the Secretary of the Navy shall implement a policy to man ships homeported overseas (commonly referred to as “Forward Deployed Naval Forces”) at manning levels not less than the levels established for each ship class or type of unit, including any adjustments resulting from as a result of changes from actions in connection with section 531, relating to an assessment of the Navy standard workweek and related adjustments.

**SEC. 533. NAVY WATCHSTANDER RECORDS.**

(a) **IN GENERAL.**—The Secretary of the Navy shall require that, commencing not later than 180 days after the date of the enactment of this Act, key watchstanders on Navy surface ships shall maintain a career record of watchstanding hours and specific operational evolutions.

(b) **KEY WATCHSTANDER DEFINED.**—In this section, the term “key watchstander” means each of the following:

(1) Officer of the Deck.
(2) Any other officer specified by the Secretary for purposes of this section.

SEC. 534. QUALIFICATION EXPERIENCE REQUIREMENTS FOR CERTAIN NAVY WATCHSTATIONS.

(a) IN GENERAL.—Not later than 90 days after the date the of enactment of this Act, the Secretary of the Navy shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the adequacy of individual training for certain watchstations, including any planned or recommended changes in qualification standards for such watchstations.

(b) WATCHSTATIONS.—The watchstations covered by the report required by subsection (a) are the following:

(1) Officer of the Deck.

(2) Combat Information Center Watch Officer.

(3) Tactical Action Officer.

SEC. 535. REPEAL OF 15-YEAR STATUTE OF LIMITATIONS ON MOTIONS OR REQUESTS FOR REVIEW OF DISCHARGE OR DISMISSAL FROM THE ARMED FORCES.

(a) REPEAL.—Section 1553(a) of title 10, United States Code, is amended by striking the second sentence.

(b) EFFECTIVE DATE.—The amendment made by this section shall take effect on October 1, 2019.
SEC. 536. TREATMENT OF CLAIMS RELATING TO MILITARY
SEXUAL TRAUMA IN CORRECTION OF MILITARY RECORDS AND REVIEW OF DISCHARGE
OR DISMISSAL PROCEEDINGS.

(a) Correction of Military Records.—

(1) In general.—Subsection (h) of section 1552 of title 10, United States Code, is amended in paragraphs (1) and (2)(B), by striking “post-traumatic stress disorder or traumatic brain injury” and inserting “post-traumatic stress disorder, traumatic brain injury, or military sexual trauma”.

(2) Quarterly reports.—Subsection (i)(1) of such section is amended by inserting “, or an experience of military sexual trauma,” after “traumatic brain injury”.

(b) Review of Discharge or Dismissal.—Section 1553(d) of such title is amended—

(1) by striking “or traumatic brain injury” each place it appears (other than the second place it appears in paragraph (3)(B)) and inserting “, traumatic brain injury, or military sexual trauma”; and

(2) in paragraph (3)(B), by inserting “and” before “whose” the second place it appears.
Subtitle D—Military Justice

Matters

SEC. 541. PUNITIVE ARTICLE ON DOMESTIC VIOLENCE

UNDER THE UNIFORM CODE OF MILITARY

JUSTICE.

(a) PUNITIVE ARTICLE.—

(1) IN GENERAL.—Subchapter X of chapter 47 of
title 10, United States Code (the Uniform Code of
Military Justice), is amended by inserting after sec-
tion 928a (article 128a) the following new section (ar-
ticle):

“§ 928b. Art. 128b. Domestic violence

“(a) IN GENERAL.—Any person who—

“(1) commits a violent offense against a spouse,
an intimate partner, or an immediate family member
of that person;

“(2) with intent to threaten or intimidate a
spouse, an intimate partner, or an immediate family
member of that person—

“(A) commits an offense under this chapter
against any person; or

“(B) commits an offense under this chapter
against any property, including an animal;
“(3) with intent to threaten or intimidate a spouse, an intimate partner, or an immediate family member of that person, violates a protection order;

“(4) with intent to commit a violent offense against a spouse, an intimate partner, or an immediate family member of that person, violates a protection order; or

“(5) assaults a spouse, an intimate partner, or an immediate family member of that person by strangling or suffocating;

shall be punished as a court-martial may direct.

“(b) DEFINITIONS.—In this section (article):

“(1) IMMEDIATE FAMILY.—The term ‘immediate family’, with respect to an accused, means a spouse, parent, brother or sister, child of the accused, a person to whom the accused stands in loco parentis, and any other person who lives in the household involved and is related by blood or marriage to the accused.

“(2) INTIMATE PARTNER.—The term ‘intimate partner’, with respect to an accused, means—

“(A) a former spouse of the accused;

“(B) a person who has a child in common with the accused;

“(C) a person who cohabits or has cohabited as a spouse with the accused; or
“(D) a person who is or has been in a social relationship of a romantic or intimate nature with the accused, as determined by the length of the relationship, the type of relationship, and the frequency of interaction between the person and the accused.

“(3) PROTECTION ORDER.—The term ‘protection order’ means—

“(A) a military protective order enforceable under section 890 of this title (article 90); or

“(B) a protection order, as defined in section 2266 of title 18 and, if issued by a State, Indian tribal, or territorial court, is in accordance with the standards specified in section 2265 of such title.

“(4) STRANGLING.—The term ‘strangling’ means intentionally or knowingly impeding the normal breathing or circulation of the blood of a person by applying pressure to the throat or neck, regardless of whether the impeding results in any visible injury or whether there is any intent to kill or protractedly injure the victim.

“(5) SUFFOCATING.—The term ‘suffocating’ means intentionally or knowingly impeding the normal breathing of a person by covering the mouth or
the nose, regardless of whether the impeding results in any visible injury or whether there is any intent to kill or protractedly injure the victim.

“(6) VIOLENT OFFENSE.—The term ‘violent offense’ means a violation of any of the provisions of this chapter as follows:

“(A) Section 918 of this title (article 118).

“(B) Section 919(a) of this title (article 119(a)).

“(C) Section 919a of this title (article 119a).

“(D) Section 920 of this title (article 120).

“(E) Section 920b of this title (article 120b).

“(F) Section 922 of this title (article 122).

“(G) Section 925 of this title (article 125).

“(H) Section 926 of this title (article 126).

“(I) Section 928 of this title (article 128).

“(J) Section 928a of this title (article 128a).

“(K) Section 930 of this title (article 130).”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter X of chapter 47 of such title (the Uniform Code of Military Justice)
is amended by inserting after the item relating to section 928a (article 128a) the following new item:

"928b. 128b. Domestic violence."

(b) EFFECTIVE DATE.—The amendments made by this section shall take effect on January 1, 2019, immediately after the coming into effect of the amendments made by the Military Justice Act of 2016 (division E of Public Law 114–328) as provided in section 5542 of that Act (130 Stat. 2967; 10 U.S.C. 801 note).

SEC. 542. INCLUSION OF STRANGULATION AND SUFFOCATION IN CONDUCT CONSTITUTING AGGRAVATED ASSAULT FOR PURPOSES OF THE UNIFORM CODE OF MILITARY JUSTICE.

(a) IN GENERAL.—Subsection (b) of section 928 of title 10, United States Code (article 128 of the Uniform Code of Military Justice), is amended—

(1) in paragraph (1), by striking "or" at the end;

(2) in paragraph (2), by adding "or" after the semicolon; and

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

"(3) who commits an assault by strangulation or suffocation;".

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on January 1, 2019, imme-
diately after the coming into effect of the amendment made
by section 5441 of the Military Justice Act of 2016 (division
E of Public Law 114–328; 130 Stat. 2954) as provided in
section 5542 of that Act (130 Stat. 2967; 10 U.S.C. 801
note).

SEC. 543. AUTHORITIES OF DEFENSE ADVISORY COM-
MITTEE ON INVESTIGATION, PROSECUTION,
AND DEFENSE OF SEXUAL ASSAULT IN THE
ARMED FORCES.

Section 546 of the Carl Levin and Howard P. “Buck”
McKeon National Defense Authorization Act for Fiscal Year
2015 (10 U.S.C. 1561 note) is amended—

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

(2) by inserting after subsection (c) the following
new subsection (d):

“(d) AUTHORITIES.—

“(1) HEARINGS.—The Advisory Committee may
hold such hearings, sit and act at such times and
places, take such testimony, and receive such evidence
as the committee considers appropriate to carry out
its duties under this section.

“(2) INFORMATION FROM FEDERAL AGENCIES.—
Upon request by the chair of the Advisory Committee,
a department or agency of the Federal Government
shall provide information that the Advisory Com-
mittee considers necessary to carry out its duties
under this section.”.

SEC. 544. PROTECTIVE ORDERS AGAINST INDIVIDUALS SUB-
JECT TO THE UNIFORM CODE OF MILITARY
JUSTICE.

(a) PROTECTIVE ORDERS.—

(1) IN GENERAL.—Subchapter II of chapter 47 of
title 10, United States Code (the Uniform Code of
Military Justice), is amended by inserting after sec-
tion 809 (article 9) the following new section (article):

“§ 809a. Art. 9a. Protective orders

“(a) ISSUANCE AUTHORIZED.—

“(1) IN GENERAL.—In accordance with such reg-
ulations as the President may prescribe and subject to
the provisions of this section, upon proper application
therefor pursuant to subsection (b), a military judge
or military magistrate may issue the following:

“(A) A protective order described in sub-
section (c) on an emergency basis against a per-
son subject to this chapter.

“(B) A protective order described in sub-
section (c), other than a protective order on an
emergency basis, against a person subject to this
chapter.
“(2) Other Protective Orders.—Nothing in this section may be construed as limiting or altering any authority of a military judge or military magistrate to issue a protective order, other than a protective order described in subsection (c), against a person subject to this chapter under any other provision of law or regulation.

“(b) Application.—

“(1) In General.—Application for a protective order under this section shall be made in accordance with such requirements and procedures as the President shall prescribe. Such requirements and procedures shall, to the extent practicable, conform to the requirements and procedures generally applicable to applications for protective orders in civilian jurisdictions of the United States.

“(2) Eligibility.—Application for a protective order may be made by any individual. The regulations prescribed for purposes of this section may not limit eligibility for application to judge advocates or other attorneys or to military commanders or other members of the armed forces.

“(c) Protective Orders.—

“(1) In General.—A protective order described in this subsection is an order that—
“(A) restrains a person from harassing, stalking, threatening, or otherwise contacting or communicating with another person who stands in relation to the person as described in subsection (d)(8) or (g)(8) of section 922 of title 18, or engaging in other conduct that would place such other person in reasonable fear of bodily injury to any such other person; and

“(B) by its terms, explicitly prohibits—

“(i) the use, attempted use, or threatened use of physical force by the person against another person who stands in relation to the person as described in subsection (d)(8) or (g)(8) of section 922 of title 18 that would reasonably be expected to cause bodily injury;

“(ii) the initiation by the person restrained of any contact or communication with such other person; or

“(iii) actions described by both clauses (i) and (ii).

“(2) DEFINITIONS.—In this subsection:

“(A) The term ‘contact’ includes contact in person or through a third party, or through gifts,
“(B) The term ‘communication’ includes communication in person or through a third party, and by telephone or in writing by letter, data fax, or other electronic means.

“(d) DUE PROCESS.—

“(1) PROTECTION OF DUE PROCESS.—Except as provided in paragraph (2), a protective order described in subsection (c) may only be issued after the person to be subject to the order has received such notice and opportunity to be heard on the order as the President shall prescribe.

“(2) EMERGENCY ORDERS.—A protective order on an emergency basis may be issued on an ex parte basis under such rules and limitations as the President shall prescribe.

“(e) NATURE AND SCOPE OF PROTECTIVE ORDERS.—The President shall prescribe any requirements or limitations applicable to nature and scope of protective orders described in subsection (c), including requirements and limitations relating to the following:

“(1) The duration of protective orders on an emergency basis, and of other protective orders.

“(2) The scope of protective orders on an emergency basis, and of other protective orders.

“(f) COMMAND MATTERS.—
“(1) Delivery to Commander.—A copy of a protective order described in subsection (c) against a member of the armed forces shall be provided to such commanding officer in the chain of command of the member as the President shall prescribe for purposes of this section.

“(2) Inclusion in Personnel File.—Any protective order described in subsection (c) against a member shall be placed and retained in the military personnel file of the member.

“(3) Notice to Civilian Law Enforcement of Issuance.—Any protective order described in subsection (c) against a member shall be treated as a military protective order for purposes of section 1567a of this title, including for purposes of mandatory notification of issuance to civilian law enforcement as required by that section.

“(4) Authority of Commanding Officers.—Nothing in this section may be construed as prohibiting a commanding officer from issuing or enforcing any otherwise lawful order in the nature of a protective order described in subsection (c) to or against members of the officer’s command.

“(g) Delivery to Certain Persons.—A physical copy of any protective order described in subsection (c) shall
be provided, as soon as practicable after issuance, to the following:

“(1) The person or persons protected by the protective order or to the guardian of such a person if such person is under the age of 18 years.

“(2) The person subject to the protective order.

“(h) ENFORCEMENT.—A protective order described in subsection (c) shall be enforceable by a military judge or military magistrate under such rules, and subject to such requirements and limitations, as the President shall prescribe.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter II of chapter 47 of such title is amended by inserting after the item relating to section 809 (article 9) the following new item:

“809a. 9a. Protective orders.”.

(b) AUTHORITY OF MILITARY MAGISTRATES.—

(1) IN GENERAL.—Section 826a(b) of title 10, United States Code (article 26a(b) of the Uniform Code of Military Justice), is amended by striking “819 or 830a of this title (article 19 or 30a)” and inserting “809a, 819, or 830 of this title (article 9a, 19, or 30a)”.

(2) EFFECTIVE DATE.—The amendment made by paragraph (1) shall take effect on January 1, 2019,
immediately after the coming into effect pursuant to section 5542 of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2967; 10 U.S.C. 801 note) of the amendment made by section 5185 of the Military Justice Act of 2016 (130 Stat. 2902), to which the amendment made by paragraph (1) relates.

SEC. 545. EXPANSION OF ELIGIBILITY FOR SPECIAL VICTIMS’ COUNSEL SERVICES.

(a) In general.—Subsection (a) of section 1044e of title 10, United States Code, is amended by striking “alleged sex-related offense” each place it appears and inserting “alleged covered violence offense”.

(b) Types of legal assistance authorized.—Subsection (b) of such section is amended—

(1) by striking “the alleged sex-related offense” each place it appears and inserting “the alleged covered violence offense”; and

(2) in paragraph (3), by inserting “if and as applicable,” after “or domestic abuse advocate,”.

(c) Availability of Svcs.—Such section is further amended—

(1) in subsection (b)(10), by striking “subsection (h)” and inserting “subsection (j)”;

† HR 5515 PAP
(2) by redesignating subsections (g) and (h) as subsections (i) and (j), respectively;

(3) in subsection (f)—

(A) by striking the subsection heading and inserting “AVAILABILITY OF SVCs IN CONNECTION WITH SEX-RELATED OFFENSES.—”; and

(B) in paragraph (1), by inserting “an alleged covered violence offense that is” before “an alleged sex-related offense” the first place it appears; and

(4) by inserting after subsection (f) the following new subsections:

“(g) AVAILABILITY OF SVCs IN CONNECTION WITH DOMESTIC VIOLENCE OFFENSES.—(1) An individual described in subsection (a)(2) who is the victim of an alleged covered violence offense that is an alleged domestic violence offense shall be offered the option of receiving assistance from a Special Victims’ Counsel upon report of an alleged domestic violence offense or at the time the victim seeks assistance from a Family Advocate, a domestic violence victim advocate, a military criminal investigator, a victim/witness liaison, a trial counsel, a healthcare provider, or any other personnel designated by the Secretary concerned for purposes of this subsection.
“(2) Paragraphs (2) and (3) of subsection (f) shall apply to the availability of Special Victims’ Counsel under this subsection to victims of an alleged domestic violence offense.

“(h) AVAILABILITY OF SVCs IN CONNECTION WITH OTHER COVERED VIOLENCE OFFENSES.—An individual described in subsection (a)(2) who is the victim of an alleged covered violence offense (other than an alleged offense covered by subsection (f) or (g)) shall be offered the option of receiving assistance from a Special Victims’ Counsel upon report of such alleged covered violence offense or at the time the victim seeks assistance from a military criminal investigator, a victim/witness liaison, a trial counsel, a healthcare provider, or any other personnel designated by the Secretary concerned for purposes of this subsection.”.

(d) DEFINITIONS.—Subsection (i) of such section, as redesignated by subsection (c)(2) of this section, is further amended to read as follows:

“(i) DEFINITIONS.—In this section:

“(1) ALLEGED COVERED VIOLENCE OFFENSE.—The term ‘alleged covered violence offense’ means any allegation of the following:

“(A) A violation of section 918, 919, 919a, 920, 920b, 925, 928a, or 930 of this title (article
118, 119, 119a, 120, 120b, 125, 128a, or 130 of
the Uniform Code of Military Justice).

“(B) A violation of subsection (b) of section
928 of this title (article 128 of the Uniform Code
of Military Justice), if the offense was aggra-vated.

“(C) A violation of any other provision of
chapter 47 of this title (the Uniform Code of
Military Justice) that the Secretary of Defense
and the Secretary of Homeland Security jointly
specify as an alleged covered violence offense for
purposes of this section.

“(D) An attempt to commit an offense spec-
ified in subparagraph (A), (B), or (C) as pun-
ishable under section 880 of this title (article 80
of the Uniform Code of Military Justice).

“(E) A conspiracy to commit an offense
specified in subparagraph (A), (B), or (C) as
punishable under section 881 of this title (article
81 of the Uniform Code of Military Justice).

“(F) A solicitation to commit an offense
specified in subparagraph (A), (B), or (C) as
punishable under section 882 of this title (article
82 of the Uniform Code of Military Justice).
“(2) Alleged domestic violence offense.—

The term ‘alleged domestic violence offense’ means any allegation of the following:

“(A) A violation of section 919b of this title (article 119b of the Uniform Code of Military Justice).

“(B) A violation of section 920, 928 (if the offense was aggravated), or 930 of this title (article 120, 128, or 130 of the Uniform Code of Military Justice) in which the victim of the violation is a spouse or other intimate partner of the accused or a child of the spouse or other intimate partner of the accused and the accused.

“(C) A violation of any other provision of chapter 47 of this title (the Uniform Code of Military Justice) that the Secretary of Defense and the Secretary of Homeland Security jointly specify as an alleged domestic violence offense for purposes of this section.

“(D) An attempt to commit an offense specified in subparagraph (A), (B), or (C) as punishable under section 880 of this title (article 80 of the Uniform Code of Military Justice).

“(E) A conspiracy to commit an offense specified in subparagraph (A), (B), or (C) as
punishable under section 881 of this title (article 81 of the Uniform Code of Military Justice).

“(F) A solicitation to commit an offense specified in subparagraph (A), (B), or (C) as punishable under section 882 of this title (article 82 of the Uniform Code of Military Justice).

“(3) ALLEGED SEX-RELATED OFFENSE.—The term ‘alleged sex-related offense’ means any allegation of the following:

“(A) A violation of section 920, 920b, 920c, or 930 of this title (article 120, 120b, 120c, or 130 of the Uniform Code of Military Justice).

“(B) A violation of any other provision of chapter 47 of this title (the Uniform Code of Military Justice) that the Secretary of Defense and the Secretary of Homeland Security jointly specify as an alleged sex-related offense for purposes of this section.

“(C) An attempt to commit an offense specified in subparagraph (A) or (B) as punishable under section 880 of this title (article 80 of the Uniform Code of Military Justice).

“(D) A conspiracy to commit an offense specified in subparagraph (A) or (B) as punish-
able under section 881 of this title (article 81 of
the Uniform Code of Military Justice).

“(E) A solicitation to commit an offense
specified in subparagraph (A) or (B) as punish-
able under section 882 of this title (article 82 of
the Uniform Code of Military Justice).”.

(e) CONFORMING AND CLERICAL AMENDMENTS.—

(1) HEADING AMENDMENT.—The heading of such
section is amended to read as follows:

“§ 1044e. Special Victims’ Counsel: victims of sex-re-
lated offenses, domestic violence offenses,
and other violence offenses”.

(2) TABLE OF SECTIONS.—The table of sections
at the beginning of chapter 53 of such title is amend-
ed by striking the item relating to section 1044e and
inserting the following new item:

“1044e. Special Victims’ Counsel: victims of sex-related offenses, domestic violence
offenses, and other violence offenses.”.

(f) EFFECTIVE DATE.—

(1) IN GENERAL.—The amendments made by
this section shall take effect on such date after Janu-
ary 1, 2019, as the President shall specify for pur-
poses of this section.

(2) DATE SPECIFIED.—In specifying a date for
purposes of paragraph (1), the President shall specify
a date that permits the Secretaries concerned and the
Armed Forces the opportunity to assess and properly allocate the personnel and other resources required to fully implement and carry out the amendments made by this section.

(3) IMPLEMENTATION ACTIVITIES.—During the period beginning on the date of the enactment of this Act and ending on the date specified for purposes of paragraph (1), the Secretaries concerned and the Armed Forces shall—

(A) establish mechanisms to ensure that a priority is afforded in the discharge of duties of Special Victims’ Counsel under the amendments made by this section to serious cases of child abuse and other domestic violence (including cases involving aggravated assault and serious neglect that could result in serious injury or death); and

(B) strongly consider the advisability of employing civilians to perform duties of Special Victims’ Counsel in the matters covered by the amendments in the event the number of military Special Victims’ Counsel is insufficient for the full and effective discharge of such duties.

(4) SECRETARIES CONCERNED DEFINED.—In this subsection, the term “Secretaries concerned” has
the meaning given that term in section 101(a)(9) of title 10, United States Code.

SEC. 546. CLARIFICATION OF EXPIRATION OF TERM OF APPELLATE MILITARY JUDGES OF THE UNITED STATES COURT OF MILITARY COMMISSION REVIEW.

(a) In General.—Section 950f(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(6) The term of an appellate military judge assigned to the Court under paragraph (2) or appointed to the Court under paragraph (3) shall expire on the earlier of the date on which—

“(A) the judge leaves active duty; or

“(B) the judge is reassigned to other duties in accordance with section 949b(b)(4) of this title.”.

(b) Applicability.—The amendment made by subsection (a) shall apply to each judge of the United States Court of Military Commission Review serving on that court on the date of the enactment of this Act and each judge assigned or appointed to that court on or after such date.
SEC. 547. EXPANSION OF POLICIES ON EXPEDITED TRANSFER OF MEMBERS OF THE ARMED FORCES WHO ARE VICTIMS OF SEXUAL ASSAULT.

(a) Eligibility of Additional Members for Transfer.—The Secretary of Defense shall modify section 105.9 of title 32, Code of Federal Regulations, and any other regulations and policy of the Department of Defense applicable to the expedited transfer of members of the Armed Forces who allege they are a victim of sexual assault, in order to provide that a member of the Armed Forces described in subsection (b) is eligible for expedited transfer under such regulations and policy in connection with an allegation as described in that paragraph.

(b) Covered Members.—A member of the Armed Forces described in this subsection is any member as follows:

(1) A member who is an alleged victim of sexual assault committed by the spouse or intimate partner of the member, which spouse or intimate partner is not a member of the Armed Forces.

(2) A member who is an alleged victim of physical domestic violence (other than sexual assault) committed by the spouse or intimate partner of the member, regardless of whether the spouse or intimate partner is a member of the Armed Forces.
(c) PHYSICAL DOMESTIC VIOLENCE.—In carrying out subsection (a), the Secretary shall prescribe the offenses or other actions constituting physical domestic violence for purposes of subsection (b)(2).

SEC. 548. UNIFORM COMMAND ACTION FORM ON DISPOSITION OF UNRESTRICTED SEXUAL ASSAULT CASES INVOLVING MEMBERS OF THE ARMED FORCES.

(a) UNIFORM FORM REQUIRED.—The Secretary of Defense shall establish a uniform command action form, applicable across the Armed Forces, for reporting the final disposition of cases of sexual assault in which—

(1) the alleged offender is a member of the Armed Forces; and

(2) the victim files an unrestricted report on the alleged assault.

(b) ELEMENTS.—The form required by subsection (a) shall provide for the inclusion of information on the following:

(1) The final disposition of the case.

(2) Appropriate demographic information on the victim and the alleged offender.

(3) The status of the alleged offender as of final disposition of the case.
(4) Whether the victim received assistance from a Special Victims’ Counsel in connection with the case.

(5) Whether the victim was disciplined for any collateral misconduct in connection with the case.

(6) The number of years working in a criminal justice litigation billet of any trial counsel who prosecuted or otherwise consulted on the case.

SEC. 549. INCLUSION OF INFORMATION ON CERTAIN COLATERAL CONDUCT OF VICTIMS OF SEXUAL ASSAULT IN ANNUAL REPORTS ON SEXUAL ASSAULT INVOLVING MEMBERS OF THE ARMED FORCES.

Section 1631(b) of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (10 U.S.C. 1561 note) is amended by adding at the end the following new paragraph:

“(13) Information on the frequency with which individuals who were identified as victims of sexual assault in case files of military criminal investigative organizations were also accused of or punished for misconduct or crimes considered collateral to the sexual assault under investigation by such organizations, including the type of misconduct or crime and the punishment, if any, received.”.
Subtitle E—Member Education, Training, Transition, and Resilience

SEC. 551. CONSECUTIVE SERVICE OF SERVICE OBLIGATION IN CONNECTION WITH PAYMENT OF TUITION FOR OFF-DUTY TRAINING OR EDUCATION FOR COMMISSIONED OFFICERS OF THE ARMED FORCES WITH ANY OTHER SERVICE OBLIGATIONS.

(a) In General.—Section 2007(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(3) Any active duty service obligation of a commissioned officer under this subsection shall be served consecutively with any other service obligation of the officer (whether active duty or otherwise) under any other provision of law.”.

(b) Effective Date.—The amendment made by this section shall take effect on the date of the enactment of this Act, and shall apply with respect to agreements for the payment of tuition for off-duty training or education that are entered into on or after that date.
SEC. 552. CONSECUTIVE SERVICE OF ACTIVE SERVICE OBLIGATIONS FOR MEDICAL TRAINING WITH OTHER SERVICE OBLIGATIONS FOR EDUCATION OR TRAINING.

(a) Uniformed Services University of the Health Sciences.—Section 2114(d) of title 10, United States Code, is amended—

(1) by inserting “(1)” after “(d)”;

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

“(2) A commissioned service obligation incurred as a result of participation in a military intern, residency, or fellowship training program shall be served consecutively with the commissioned service obligation imposed by this section and by any other provision of this title for education or training.”.

(b) Health Professions Scholarship and Financial Assistance Program.—Section 2123(b) of such title is amended—

(1) by inserting “(1)” after “(b)”;

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

“(2) A commissioned service obligation incurred as a result of participation in a military intern, residency, or fellowship training program shall be served consecutively with the active duty obligation imposed by this section and
by any other provision of this title for education or training.”.

(c) Effective Date.—The amendments made by this section shall apply to individuals beginning participation in a military intern, residency, or fellowship training program on or after January 1, 2020.

SEC. 553. CLARIFICATION OF APPLICATION AND HONORABLE SERVICE REQUIREMENTS UNDER THE TROOPS-TO-TEACHERS PROGRAM TO MEMBERS OF THE RETIRED RESERVE.

(a) In General.—Paragraph (2)(B) of section 1154(d) of title 10, United States Code, is amended—

(1) by inserting “(A)(iii),” after “A(i),”;

(2) by inserting “transferred to the Retired Reserve, or” after “member is retired,”; and

(3) by striking “separated,” and inserting “separated”.

(b) Conforming Amendments.—The second sentence of paragraph (3)(D) of such section is amended—

(1) by inserting “, the transfer of the member to the Retired Reserve,” after “retirement of the member”; and

(2) by inserting “transfer,” after “after the retirement,”.
SEC. 554. PROHIBITION ON USE OF FUNDS FOR ATTENDANCE OF ENLISTED PERSONNEL AT SENIOR LEVEL AND INTERMEDIATE LEVEL OFFICER PROFESSIONAL MILITARY EDUCATION COURSES.

(a) Prohibition.—None of the funds authorized to be appropriated or otherwise made available for the Department of Defense may be obligated or expended for the purpose of the attendance of enlisted personnel at senior level and intermediate level officer professional military education courses.

(b) Senior Level and Intermediate Level Officer Professional Military Education Courses Defined.—In this section, the term “senior level and intermediate level officer professional military education courses” means any course offered by a school specified in section 2151(b) of title 10, United States Code.

(c) Repeal of Superseded Limitation.—

(1) In General.—Section 547 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is repealed.

(2) Preservation of Certain Reporting Requirement.—The repeal in paragraph (1) shall not be interpreted to terminate the requirement of the Comptroller General of the United States to submit the report required by subsection (c) of section 547 of

SEC. 555. REPEAL OF PROGRAM ON ENCOURAGEMENT OF POSTSEPARATION PUBLIC AND COMMUNITY SERVICE.

(a) REPEAL.—

(1) IN GENERAL.—Section 1143a of title 10, United States Code, is repealed.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 58 of such title is amended by striking the item relating to section 1143a.

(b) CONFORMING AMENDMENTS.—Section 1144(b) of such title is amended—

(1) by striking paragraph (8); and

(2) by redesignating paragraphs (9), (10), and (11) as paragraphs (8), (9), and (10), respectively.

SEC. 556. EXPANSION OF AUTHORITY TO ASSIST MEMBERS IN OBTAINING PROFESSIONAL CREDENTIALS.

Section 2015 of title 10, United States Code, is amended—

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

(2) by inserting after subsection (a) the following new subsection (b):
“(b) Professional Credentials Not Related to Military Training and Skills.—Under the program required by this section, the Secretary of Defense, and the Secretary of Homeland Security, with respect to the Coast Guard when it is not operating as a service in the Navy, may enable members of the armed forces to obtain, while serving in the armed forces, professional credentials for which such members are otherwise qualified that do not relate to military training and skills if such Secretary determines that such action is in the best interests of the United States.”.

SEC. 557. ENHANCEMENT OF AUTHORITIES IN CONNECTION WITH JUNIOR RESERVE OFFICERS’ TRAINING CORPS PROGRAMS.

(a) Flexibility in Authorities for Management of Programs and Units.—

(1) In general.—Chapter 102 of title 10, United States Code, is amended by adding at the end the following new section:

“§2034. Flexibility in authorities for management of programs and units

“(a) Authority To Convert Otherwise Closing Units To National Defense Cadet Corps Program Units.—If the Secretary of a military department is notified by a local educational agency of the intent of the agency
to close its Junior Reserve Officers’ Training Corps, the Secretary shall offer the agency the option of converting the unit to a National Defense Cadet Corps (NDCC) program unit in lieu of closing the unit.

“(b) Flexibility in Administration of Instructors.—

“(1) In general.—The Secretaries of the military departments may, without regard to any other provision of this chapter, undertake initiatives designed to promote flexibility in the hiring and compensation of instructors for the Junior Reserve Officers’ Training Corps program under the jurisdiction of such Secretaries.

“(2) Elements.—The initiatives undertaken pursuant to this subsection may provide for one or more of the following:

“(A) Termination of the requirement for a waiver as a condition of the hiring of well-qualified non-commissioned officers with a bachelor’s degree for senior instructor positions within the Junior Reserve Officers’ Training Corps.

“(B) Specification of a single instructor as the minimum number of instructors required to found and operate a Junior Reserve Officers’ Training Corps unit.
“(C) Authority for Junior Reserve Officers’ Training Corps instructors to undertake school duties, in addition to Junior Reserve Officers’ Training Corps duties, at small schools.

“(D) Authority for the payment of instructor compensation for a limited number of Junior Reserve Officers’ Training Corps instructors on a 10-month per year basis rather than a 12-month per year basis.

“(E) Such other actions as the Secretaries of the military departments consider appropriate.

“(c) Flexibility in Allocation and Use of Travel Funding.—The Secretaries of the military departments shall take appropriate actions to provide so-called regional directors of the Junior Reserve Officers’ Training Corps programs located at remote rural schools enhanced discretion in the allocation and use of funds for travel in connection with Junior Reserve Officers’ Training Corps activities.

“(d) Standardization of Program Data.—The Secretary of Defense shall take appropriate actions to standardize the data collected and maintained on the Junior Reserve Officers’ Training Corps programs in order to facilitate and enhance the collection and analysis of such
data. Such actions shall include a requirement for the use of the National Center for Education Statistics (NCES) identification code for each school with a unit under a Junior Reserve Officers’ Training Corps program in order to facilitate identification of such schools and their units under the Junior Reserve Officers’ Training Corps programs.”.

(2) Clerical Amendment.—The table of sections at the beginning of chapter 102 of such title is amended by adding at the end the following new item:

“2034. Flexibility in authorities for management of programs and units.”.

(b) Authority for Additional Units.—The Secretaries of the military departments may, using amounts authorized to be appropriated by this Act and available in the funding tables in sections 4301 and 4401 for purposes of the Junior Reserve Officers’ Training Corps programs, establish an aggregate of not more than 100 units under the Junior Reserve Officers’ Training Corps programs in low-income and rural areas of the United States and areas of the United States currently underserved by the Junior Reserve Officers’ Training Corps programs.
Subtitle F—Defense Dependents’ Education and Military Family Readiness Matters

PART I—DEFENSE DEPENDENTS’ EDUCATION MATTERS

SEC. 561. CONTINUATION OF AUTHORITY TO ASSIST LOCAL EDUCATIONAL AGENCIES THAT BENEFIT DEPENDENTS OF MEMBERS OF THE ARMED FORCES AND DEPARTMENT OF DEFENSE CIVILIAN EMPLOYEES.

(a) Assistance to Schools With Significant Numbers of Military Dependent Students.—Of the amount authorized to be appropriated for fiscal year 2019 by section 301 and available for operation and maintenance for Defense-wide activities as specified in the funding table in section 4301, $40,000,000 shall be available only for the purpose of providing assistance to local educational agencies under subsection (a) of section 572 of the National Defense Authorization Act for Fiscal Year 2006 (Public Law 109–163; 20 U.S.C. 7703b).

(b) Local Educational Agency Defined.—In this section, the term “local educational agency” has the meaning given that term in section 7013(9) of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 7713(9)).
SEC. 562. IMPACT AID FOR CHILDREN WITH SEVERE DISABILITIES.

(a) IN GENERAL.—Of the amount authorized to be appropriated for fiscal year 2019 pursuant to section 301 and available for operation and maintenance for Defense-wide activities as specified in the funding table in section 4301, $10,000,000 shall be available for payments under section 363 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (as enacted into law by Public Law 106–398; 114 Stat. 1654A–77; 20 U.S.C. 7703a).

(b) USE OF CERTAIN AMOUNT.—Of the amount available under subsection (a) for payments as described in that subsection, $5,000,000 shall be available for such payments to local educational agencies determined by the Secretary of Defense, in the discretion of the Secretary, to have higher concentrations of military children with severe disabilities.

SEC. 563. DEPARTMENT OF DEFENSE EDUCATION ACTIVITY POLICIES AND PROCEDURES ON SEXUAL HARASSMENT OF STUDENTS OF ACTIVITY SCHOOLS.

(a) APPLICABILITY OF TITLE IX PROTECTIONS.—The provisions of title IX of the Education Amendments of 1972 (20 U.S.C. 1681 et seq.) (in this section referred to as “title IX”) with respect to education programs or activities receiving Federal financial assistance shall apply equally to
education programs and activities administered by the Department of Defense Education Activity (DODEA).

(b) POLICIES AND PROCEDURES.—Not later than March 31, 2019, the Department of Defense Education Activity shall establish policies and procedures to protect students at schools of the Activity who are victims of sexual harassment. Such policies and procedures shall afford protections at least comparable to the protections afforded under title IX.

(c) ELEMENTS.—The policies and procedures required by subsection (b) shall include, at a minimum, the following:

(1) A policy addressing sexual harassment of students at the schools of the Department of Defense Education Activity that uses and incorporates terms, procedures, protections, investigation standards, and standards of evidence consistent with title IX.

(2) A procedure by which—

(A) a student of a school of the Activity, or a parent of such a student, may file a complaint with the school alleging an incident of sexual harassment at the school; and

(B) such a student or parent may appeal the decision of the school regarding such complaint.
(3) A procedure and mechanisms for the appointment and training of, and allocation of responsibility to, a coordinator at each school of the Activity for sexual harassment matters involving students from the military community served by such school.

(4) Training of employees of the Activity, and volunteers at schools of the Activity, on the policies and procedures.

(5) Mechanisms for the broad distribution and display of the policy described in paragraph (1), including on the Internet website of the Activity and on Internet websites of schools of the Activity, in printed and online versions of student handbooks, and in brochures and flyers displayed on school bulletin boards and in guidance counselor offices.

(6) Reporting and recordkeeping requirements designed to ensure that—

(A) complaints of sexual harassment at schools of the Activity are handled—

(i) with professionalism and consistency; and

(ii) in a manner that permits coordinators referred to in paragraph (3) to track trends in incidents of sexual harassment
and to identify repeat offenders of sexual harassment; and

(B) appropriate members of the local leadership of military communities are held accountable for acting upon complaints of sexual harassment at schools of the Activity.

PART II—MILITARY FAMILY READINESS MATTERS

SEC. 566. IMPROVEMENT OF AUTHORITY TO CONDUCT FAMILY SUPPORT PROGRAMS FOR IMMEDIATE FAMILY MEMBERS OF THE ARMED FORCES ASSIGNED TO SPECIAL OPERATIONS FORCES.

(a) Costs of Participation of Family Members in Programs.—Section 1788a of title 10, United States Code, is amended—

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

(2) by inserting after subsection (b) the following new subsection (c):

“(c) Costs of Family Member Participation.—In carrying out family support programs under this section, the Commander may also pay, or reimburse immediate family members, for transportation, food, lodging, child care, supplies, fees, and training materials in connection with the participation of family members in such programs.”.
(b) FUNDING.—Subsection (d) of such section, as redesignated by subsection (a)(1) of this section, is amended—

(1) by striking “up to $5,000,000” and inserting “up to $10,000,000”; and

(2) by inserting before the period the following:

“, including payment of costs of participation in such programs as authorized by subsection (c)”.

(c) TECHNICAL AMENDMENT.—Paragraph (3) of subsection (f) of such section, as so redesignated, is amended by striking “section 167(i)” and inserting “section 167(j)”.

SEC. 567. EXPANSION OF PERIOD OF AVAILABILITY OF MILITARY ONESOURCE PROGRAM FOR RETIRED AND DISCHARGED MEMBERS OF THE ARMED FORCES AND THEIR IMMEDIATE FAMILIES.

(a) IN GENERAL.—Under regulations prescribed by the Secretary of Defense, the period of eligibility for the Military OneSource program of the Department of Defense of an eligible individual retired, discharged, or otherwise released from the Armed Forces, and for the eligible immediate family members of such an individual, shall be the one-year period beginning on the date of the retirement, discharge, or release, as applicable, of such individual.

(b) INFORMATION TO FAMILIES.—The Secretary shall, in such manner as the Secretary considers appropriate, inform military families and families of veterans of the
Armed Forces of the wide range of benefits available through the Military OneSource program.

SEC. 568. EXPANSION OF AUTHORITY FOR NONCOMPETITIVE APPOINTMENTS OF MILITARY SPOUSES BY FEDERAL AGENCIES.

(a) Expansion To Include All Spouses of Members of the Armed Forces on Active Duty.—Section 3330d of title 5, United States Code, is amended—

(1) in subsection (a)—

(A) by striking paragraphs (3), (4), and (5); and

(B) by redesignating paragraph (6) as paragraph (3);

(2) by striking subsections (b) and (c) and inserting the following new subsection (b):

“(b) APPOINTMENT AUTHORITY.—The head of an agency may appoint noncompetitively—

“(1) a spouse of a member of the Armed Forces on active duty; or

“(2) a spouse of a disabled or deceased member of the Armed Forces.”;

(3) by redesignating subsection (d) as subsection (c); and
(4) in subsection (c), as so redesignated, by striking “subsection (a)(6)” in paragraph (1) and inserting “subsection (a)(3)”.

(b) **Heading Amendment.**—The heading of such section is amended to read as follows:

“§ 3330d. Appointment of military spouses”.

(c) **Clerical Amendment.**—The table of sections at the beginning of chapter 33 of such title is amended by striking the item relating to section 3330d and inserting the following new item:

“3330d. Appointment of military spouses.”.

**SEC. 569. IMPROVEMENT OF MY CAREER ADVANCEMENT ACCOUNT PROGRAM FOR MILITARY SPOUSES.**

(a) **Outreach on Availability of Program.**—

(1) **In General.**—The Secretary of Defense shall take appropriate actions to ensure that military spouses who are eligible for participation in the My Career Advancement Account (MyCAA) program of the Department of Defense are, to the extent practicable, made aware of the program.

(2) **Comptroller General Report.**—Not later than 180 days after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth such recommendations as the Com-
troller General considers appropriate regarding the following:

(A) Mechanisms to increase awareness of the My Career Advancement Account program among military spouses who are eligible to participate in the program.

(B) Mechanisms to increase participation in the My Career Advancement Account program among military spouses who are eligible to participate in the program.

(b) Training for Installation Career Counselors on Program.—The Secretaries of the military departments shall take appropriate actions to ensure that career counselors at military installations receive appropriate training and current information on eligibility for and use of benefits under the My Career Advancement Account program, including financial assistance to cover costs associated with professional recertification, portability of occupational licenses, professional credential exams, and other mechanisms in connection with the portability of professional licenses.
SEC. 570. ACCESS TO MILITARY INSTALLATIONS FOR CERTAIN SURVIVING SPOUSES AND OTHER NEXT OF KIN OF MEMBERS OF THE ARMED FORCES WHO DIE WHILE ON ACTIVE DUTY OR CERTAIN RESERVE DUTY.

(a) PROCEDURES FOR ACCESS OF SURVIVING SPOUSES REQUIRED.—The Secretary of Defense, acting jointly with the Secretary of Homeland Security, shall establish procedures by which an eligible surviving spouse may obtain unescorted access, as appropriate, to military installations in order to receive benefits to which the eligible surviving spouse may be entitled by law or policy.

(b) ELIGIBLE SURVIVING SPOUSE.—

(1) IN GENERAL.—In this section, the term “eligible surviving spouse” means an individual who—

(A) is a surviving spouse of a member of the Armed Forces who dies while serving—

(i) on active duty; or

(ii) on such reserve duty as the Secretary of Defense and the Secretary of Homeland Security may jointly specify for purposes of this section; and

(B) has guardianship of one or more dependent children of such member.

(2) STATUS NOT EFFECTED BY REMARRIAGE.—An individual is an eligible surviving spouse for pur-
poses of this section without regard to whether the in-

dividual remarries after the death of the member con-
cerned.

(c) PROCEDURES FOR ACCESS OF NEXT OF KIN Au-
THORIZED.—

(1) IN GENERAL.—The Secretary of Defense, act-
ing jointly with the Secretary of Homeland Security,
may establish procedures by which the next of kin of
a deceased member of the Armed Forces, in addition
to an eligible surviving spouse, may obtain access to
military installations for such purposes and under
such conditions as the Secretaries jointly consider ap-
propriate.

(2) NEXT OF KIN.—If the Secretaries establish
procedures pursuant to paragraph (1), the Secretaries
shall jointly specify the individuals who shall con-
stitute next of kin for purposes of such procedures.

(d) CONSIDERATIONS.—Any procedures established
under this section shall—

(1) be applied consistently across the Depart-
ment of Defense and the Department of Homeland Se-
curity, including all components of the Departments;

(2) minimize any administrative burden on a
surviving spouse or dependent child, including
through the elimination of any requirement for a sur-
living spouse to apply as a personal agent for continued access to military installations in accompaniment of a dependent child;

(3) take into account measures required to ensure the security of military installations, including purpose and eligibility for access and renewal periodicity; and

(4) take into account such other factors as the Secretary of Defense or the Secretary of Homeland Security considers appropriate.

(e) DEADLINE.—The procedures required by subsection (a) shall be established by the date that is not later than one year after the date of the enactment of this Act.

SEC. 571. DEPARTMENT OF DEFENSE MILITARY FAMILY READINESS COUNCIL MATTERS.

(a) MEMBER MATTERS.—

(1) MEMBERSHIP.—Paragraph (1)(B) of subsection (b) of section 1781a of title 10, United States Code, is amended—

(A) in clause (i), by striking “a member of the armed force to be represented” and inserting “a member or civilian employee of the armed force to be represented”; and

(B) by striking clause (ii) and inserting the following new clause (ii):
“(ii) One representative, who shall be a member or civilian employee of the National Guard Bureau, to represent both the Army National Guard and the Air National Guard.”.

(2) TERMS.—Paragraph (2) of such subsection is amended—

(A) in subparagraph (A)—

(i) in the first sentence, by striking “clauses (i) and (iii) of”; and

(ii) by striking the second sentence;

and

(B) in subparagraph (B), by striking “three years” and inserting “two years”.

(b) DUTIES.—Subsection (d) of such section is amended—

(1) in paragraph (2), by striking “military family readiness by the Department of Defense” and inserting “military family readiness programs and activities of the Department of Defense”; and

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

“(4) To make recommendations to the Secretary of Defense to improve collaboration, awareness, and promotion of accurate and timely military family
readiness information and support services by policy
makers, service providers, and targeted beneficiaries.”.

(c) ANNUAL REPORTS.—Subsection (e) of such section
is amended by striking “February 1” and inserting “July
1”.

(d) EFFECTIVE DATE.—

(1) IN GENERAL.—The amendments made by
this section shall take effect on the date of the enact-
ment of this Act.

(2) APPLICABILITY OF MEMBERSHIP AND TERM
AMENDMENTS.—The amendments made by subsection
(a) shall apply to members of the Department of De-
fense Military Family Readiness Council appointed
after the date of the enactment of this Act.

SEC. 572. MULTIDISCIPLINARY TEAMS FOR MILITARY IN-
STALLATIONS ON CHILD ABUSE AND OTHER
DOMESTIC VIOLENCE.

(a) MULTIDISCIPLINARY TEAMS REQUIRED.—

(1) IN GENERAL.—Under regulations prescribed
by each Secretary concerned, there shall be established
and maintained for each military installation, except
as provided in paragraph (2), one or more multidisci-
plinary teams on child abuse and other domestic vio-
ence for the purposes specified in subsection (b).
(2) **Single Team for Proximate Installations.**—A single multidisciplinary team described in paragraph (1) may be established and maintained under this subsection for two or more military installations in proximity with one another if the Secretary concerned determines, in consultation with the Secretary of Defense, that a single team for such installations suffices to carry out the purposes of such teams under subsection (b) for such installations.

(b) **Purposes.**—The purposes of each multidisciplinary team maintained pursuant to subsection (a) shall be as follows:

(1) To provide for the sharing of information among such team and other appropriate personnel on the installation or installations concerned regarding the progress of investigations into and resolutions of incidents of child abuse and other domestic violence involving members of the Armed Forces stationed at or otherwise assigned to the installation or installations.

(2) To provide for and enhance collaborative efforts among such team and other appropriate personnel of the installation or installations regarding investigations into and resolutions of such incidents.
(3) To enhance the social services available to military families at the installation or installations in connection with such incidents, including through the enhancement of cooperation among specialists and other personnel providing such services to such military families in connection with such incidents.

(4) To carry out such other duties regarding the response to child abuse and other domestic violence at the installation or installations as the Secretary concerned considers appropriate for such purposes.

(c) PERSONNEL.—

(1) In general.—Each multidisciplinary team maintained pursuant to subsection (a) shall be composed of the following:

(A) One or more judge advocates.

(B) Appropriate personnel of one or more military criminal investigation services.

(C) Appropriate mental health professionals.

(D) Appropriate medical personnel.

(E) Family advocacy case workers.

(F) Such other personnel as the Secretary or Secretaries concerned consider appropriate.

(2) Expertise and training.—Any individual assigned to a multidisciplinary team shall possess
such expertise, and shall undertake such training as is required to maintain such expertise, as the Secretary concerned shall specify for purposes of this section in order to ensure that members of the team remain appropriately qualified to carry out the purposes of the team under this section. The training and expertise so specified shall include training and expertise on special victims’ crimes, including child abuse and other domestic violence.

(d) Coordination and Collaboration With Non-Military Resources.—

(1) Use of Community Resources Serving Installations.—In providing under this section for a multidisciplinary team for a military installation or installations that benefit from services or resources on child abuse or other domestic violence that are provided by civilian entities in the vicinity of the installation or installations, the Secretary concerned may take the availability of such services or resources to the installation or installations into account in providing for the composition and duties of the team.

(2) Best Practices.—The Secretaries concerned shall take appropriate actions to ensure that multidisciplinary teams maintained pursuant to subsection (a) remain fully and currently apprised of best prac-
tices in the civilian sector on investigations into and
resolutions of incidents of child abuse and other do-
mestic violence and on the social services provided in
connection with such incidents.

(3) COLLABORATION.—In providing for the en-
hancement of social services available to military
families in accordance with subsection (b)(3), the Sec-
etaries concerned shall permit, facilitate, and encour-
age multidisciplinary teams to collaborate with ap-
propriate civilian agencies in the vicinity of the mili-
tary installations concerned with regard to avail-
ability, provision, and use of such services to and by
such families.

(e) ANNUAL REPORTS.—Not later than March 1 of
each of 2020 through 2022, each Secretary concerned shall
submit to the Committees on Armed Services of the Senate
and the House of Representatives a report on the activities
of multidisciplinary teams maintained pursuant to sub-
section (a) under the jurisdiction of such Secretary during
the preceding year. Each report shall set forth, for the pe-
riod covered by such report, the following:

(1) A summary description of the activities of
the multidisciplinary teams concerned, including the
number and composition of such teams, the recurring
activities of such teams, and any notable achievements of such teams.

(2) A description of any impediments to the effectiveness of such teams.

(3) Such recommendations for legislative or administrative action as such Secretary considers appropriate in order to improve the effectiveness of such teams.

(4) Such other matters with respect to such teams as such Secretary considers appropriate.

(f) SECRETARY CONCERNED.—

(1) DEFINITION.—In this section, the term “Secretary concerned” has the meaning given that term in section 101(a)(9) of title 10, United States Code.

(2) USAGE WITH RESPECT TO MULTIPLE INSTALLATIONS.—For purposes of this section, any reference to “Secretary concerned” with respect to a single multidisciplinary team established and maintained pursuant to subsection (a) for two or more military installations that are under the jurisdiction of different Secretaries concerned, shall be deemed to refer to each Secretary concerned who has jurisdiction of such an installation, acting jointly.
SEC. 573. PROVISIONAL OR INTERIM CLEARANCES TO PROVIDE CHILDCARE SERVICES AT MILITARY CHILDCARE CENTERS.

(a) IN GENERAL.—The Secretary of Defense shall implement a policy to permit the issuance on a provisional or interim basis of clearances for the provision of childcare services at military childcare centers.

(b) ELEMENTS.—The policy required by subsection (a) shall provide for the following:

(1) Any clearance issued under the policy shall be temporary and contingent upon the satisfaction of such requirements for the issuance of a clearance on a permanent basis as the Secretary considers appropriate.

(2) Any individual issued a clearance on a provisional or interim basis under the policy shall be subject to such supervision in the provision of childcare services using such clearance as the Secretary considers appropriate.

(c) CLEARANCE DEFINED.—In this section, the term “clearance”, with respect to an individual and the provision of childcare services, means the formal approval of the individual, after appropriate background checks and other review, to provide childcare services to children at a military childcare center of the Department of Defense.
SEC. 574. PILOT PROGRAM ON PREVENTION OF CHILD
ABUSE AND TRAINING ON SAFE CHILDCARE
PRACTICES AMONG MILITARY FAMILIES.

(a) Pilot Program.—

(1) In general.—The Secretary of Defense shall, acting through the Defense Health Agency, carry out a pilot program on universal home visits for purposes of providing eligible covered beneficiaries and their families training on safe childcare practices aimed at reducing child abuse and fatalities due to abuse and neglect, assessments of risk factors for child abuse, and connections with community resources to meet identified needs.

(2) Scope.—The pilot program shall be designed to facilitate connections between covered beneficiaries and their families and community resources (including existing resources provided by the Armed Forces). The pilot program, including the practices covered by training pursuant to the pilot program, shall conform to evidence-based scientific criteria, including criteria available through publications in peer-reviewed scientific journals.

(3) Elements.—The pilot program shall include the following:

(A) Between one and three home visits, and not more than seven other contacts, except in un-
usual cases (such as deployments), with such home visits by a team led by a nurse, whenever practicable, to provide screening, community resource referral, and training to eligible covered beneficiaries and their families on the following:

(i) General maternal and infant health.

(ii) Safe sleeping environments.

(iii) Feeding and bathing.

(iv) Adequate supervision.

(v) Common hazards.

(vi) Self-care.

(vii) Recognition of post-partum depression, substance abuse, and domestic violence in a mother or her partner and community violence.

(viii) Skills for management of infant crying.

(ix) Other positive parenting skills and practices.

(x) The importance of participating in ongoing healthcare for an infant and in ongoing healthcare for post-partum depression.

(xi) Finding, qualifying for, and participating in available community resources
with respect to infant care, childcare, and parenting support.

(xii) Planning for parenting or guardianship of children during deployment.

(xiii) Such other matters as the Secretary considers appropriate.

(B) If a parent is deployed at the time of birth—

(i) the first home visit pursuant to subparagraph (A) shall, to the extent practicable, incorporate both parents, in person with the local parent and by electronic means (such as Skype or FaceTime) with the deployed parent; and

(ii) another such home visit shall be conducted upon the return of the parent from deployment, and shall include both parents.

(C) An electronic directory of community resources available to eligible covered beneficiaries and their families in order to assist teams described in subparagraph (A) in connecting beneficiaries and families with such resources.
(D) An electronic integrated data system to—

(i) support teams in referring beneficiaries to the services and resources to be offered under subsection (c)(3) and track beneficiary usage;

(ii) track interactions between teams described in subparagraph (A) and eligible beneficiaries and their families; and

(iii) otherwise evaluate the implementation and effectiveness of the pilot program.

(b) MANDATORY PARTICIPATION.—

(1) IN GENERAL.—Except as provided in paragraph (2), the Secretary shall require all eligible covered beneficiaries at each installation at which the pilot program is being conducted to be contacted by the pilot program under this section.

(2) EXCEPTION.—The Secretary shall encourage participation by both parents of a child in the pilot program, but participation by one parent shall be sufficient to meet the requirement under paragraph (1).

(c) AVAILABLE SERVICES AND RESOURCES.—
(1) In General.—In carrying out the pilot program under this section, the Secretary shall offer services and resources to an eligible covered beneficiary based on the particular needs of the beneficiary and the beneficiary’s family.

(2) Voluntary Participation.—Participation by an eligible covered beneficiary and family in any service or resource offered under paragraph (1) shall be at the election of the beneficiary.

(3) Assessment of Eligible Covered Beneficiaries.—

(A) In General.—In carrying out the pilot program, the Secretary shall conduct, or attempt to conduct, an assessment of every eligible covered beneficiary and beneficiary family participating in the pilot program, regardless of risk factors, to determine which services and resources to offer such beneficiary and family under paragraph (1).

(B) Particular Needs.—In conducting an assessment of an eligible covered beneficiary and family under subparagraph (A), the Secretary shall assess their needs and eligibility for particular services and resources and connect the beneficiary and family to services and resources
for which they have a need and are eligible, ei-
ther within the Department of Defense or else-
where.

(d) INVOLVEMENT OF MEDICAL STAFF.—

(1) In general.—The Secretary shall ensure
that the pilot program under this section is conducted
by licensed medical staff of the Department of Defense
and not family advocacy staff.

(2) Home visits.—

(A) In general.—The Secretary shall en-
sure that the pilot program includes the fol-
lowing:

(i) An initial contact made prenatally
(except when not possible, in which case the
contact shall occur as soon after birth as
possible) by a team described in subsection
(a)(3)(A), which shall include screening for
the matters specified in that subsection.

(ii) Home visits by a nurse or other li-
censed medical professional trained in the
practices covered by the program at the
birth of a child, which visits shall follow a
research-based structured clinical protocol
and include use of the electronic integrated
data described in subsection (a)(3)(D).
(B) Timing of visits.—The first visits under subparagraph (A)(ii) shall occur between two and five weeks after hospital discharge with appropriate follow-up generally accomplished within two home visits.

(C) Duration of visits.—Visits under this paragraph shall have a duration between 90 minutes and 2 hours.

(D) Final visit.—Not later than 45 days after the last visit conducted by a nurse under subparagraph (A)(ii) with respect to an eligible covered beneficiary, appropriate staff shall follow-up with the beneficiary and the beneficiary’s family to assess if they are using the services recommended under subsection (c).

(e) Implementation Assessments.—

(1) In general.—The Secretary shall carry out not fewer than five implementation assessments in accordance with this subsection in order to assess the effectiveness of the elements and requirements of the pilot program.

(2) Schedule.—The implementation assessment required by this subsection shall be completed by not later than two years after the date of the enactment of this Act.
(3) **LOCATIONS.**—The implementation assessments shall be carried out at not less than five military installations selected by the Secretary for purposes of this subsection. In selecting such installations, the Secretary shall select installations representing a range of circumstances, including installations in an urban location and a rural location, installations with a large population and with a small population, installations currently experiencing high incidence of child abuse, neglect, or both and low incidence of child abuse, neglect, or both, installations with a hospital or clinic and without a hospital or clinic, joint installations, and installations serving only one Armed Force.

(4) **ASSESSMENT.**—In carrying out the implementation assessments, the Secretary shall seek to obtain an assessment of each of the following:

(A) The ability of nurses or other licensed medical professionals to contact families eligible for participation in the pilot program.

(B) The extent to which families eligible for participation in the program actually participate in the pilot program.
(C) The ability of medical personnel to adhere to the clinical protocols of the pilot program.

(D) The extent to which families participating in the pilot program are being connected to services and resources under the pilot program.

(E) The extent to which families participating in the pilot program are using services and resources under the pilot program.

(f) REPORTS.—

(1) INITIAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program to be carried out pursuant to this section. The report shall include a comprehensive description of each implementation assessment to be carried out pursuant to subsection (e), including—

(A) the installation at which such implementation assessment is being carried out;

(B) a justification for the selection of such installation for purposes of subsection (e); and
(C) the elements and requirements of the pilot program being carried out through such implementation assessment, including strategy and metrics for evaluating effectiveness.

(2) Final report.—Not later than 180 days after the completion of the pilot program, the Secretary shall submit to the committees specified in paragraph (1) a report on the pilot program. The report shall include the following:

(A) A comprehensive description and assessment of each of the implementation assessments under subsection (e).

(B) A comprehensive description and assessment of the pilot program.

(C) Such recommendations for legislative or administrative action as the Secretary considers appropriate in light of pilot program, including recommendations for modifications of the pilot program or extension of the pilot program on an permanent basis at additional locations.

(g) Implementation defense-wide.—If the Secretary determines as a result of the pilot program that any element of the pilot program is effective, the Secretary shall take appropriate actions to implement the pilot program
as a program throughout and across the military installa-
tions of the Department.

(h) DEFINITIONS.—In this section:

(1) The term “community”, with respect to a
military installation, means the catchment area for
community services of the installation, including serv-
ices provided on the installation and services provided
by State, county, and local jurisdictions in which the
installation is located or in the vicinity of the instal-
lation.

(2) The term “eligible covered beneficiary”
means a covered beneficiary (as that term is defined
in section 1072 of title 10, United States Code) who
obtains pre-natal and obstetrical care in a military
medical treatment facility in connection with a birth
covered by the pilot program.

SEC. 575. PILOT PROGRAM ON PARTICIPATION OF MILITARY
SPOUSES IN TRANSITION ASSISTANCE PROGRAM
ACTIVITIES.

(a) PILOT PROGRAM REQUIRED.—The Secretary of
Defense shall carry out a pilot program to assess the
feasability and advisability of permitting military spouses
to participate in activities under the Transition Assistance
Program (TAP) under section 1144 of title 10, United
States Code, on military installations.
(b) LOCATIONS.—The Secretary shall carry out the pilot program at not fewer than five military installations selected by the Secretary for purposes of the pilot program.

(c) DURATION.—The Secretary shall carry out the pilot program during the five-year period beginning on the date of the enactment of this Act.

(d) PARTICIPATION.—

(1) IN GENERAL.—Under the pilot program, the spouse of a member of the Armed Forces assigned to a military installation at which the pilot program is carried out who is participating in activities under the Transition Assistance Program may participate in such activities under the Program as the spouse considers appropriate, regardless of whether the member is also participating in such activities at the time of the spouse’s participation.

(2) ADEQUATE FACILITIES.—The Secretary shall ensure that the facilities for the carrying out of activities under the Transition Assistance Program at each installation at which the pilot program is carried out are adequate to permit the participation in such activities of any spouse of a member of the Armed Forces at the installation who seeks to participate in such activities.

(e) REPORTS.—
(1) Initial Report.—Not later than six months after the date of the enactment of this Act, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program, including a comprehensive description of the pilot program.

(2) Final Report.—Not later than six months after the completion of the pilot program, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program. The report shall include the following:

(A) A comprehensive description of the pilot program, including the installations at which the pilot program was carried out and the rates of participation of military spouses in activities under the Transition Assistance Program pursuant to the pilot program.

(B) Such recommendations for extension or expansion of the pilot program, including making the pilot program permanent, as the Secretary considers appropriate in light of the pilot program.
SEC. 576. SMALL BUSINESS ACTIVITIES OF MILITARY SPOUSES ON MILITARY INSTALLATIONS IN THE UNITED STATES.

(a) ASSESSMENT OF SMALL BUSINESS ACTIVITIES.— The Secretary of Defense shall submit to Congress a report setting forth an assessment of the feasibility and advisability of permitting military spouses to engage in small business activities on military installations in the United States and in partnership with commissaries, exchange stores, and other morale, welfare, and recreation facilities of the Armed Forces in the United States.

(b) ELEMENTS.—The assessment shall—

(1) take into account the usage by military spouses of installation facilities, utilities, and other resources in the conduct of small business activities on military installations in the United States and such other matters in connection with the conduct of such business activities by military spouses as the Secretary considers appropriate; and

(2) seek to identify mechanisms to ensure that costs and fees associated with the usage by military spouses of such facilities, utilities, and other resources in connection with such business activities does not meaningfully curtail or eliminate the opportunity for military spouses to profit reasonably from such business activities.
Subtitle G—Decorations and Awards

SEC. 581. AUTHORIZATION FOR AWARD OF THE DISTINGUISHED SERVICE CROSS FOR JUSTIN T. GALLEGOS FOR ACTS OF VALOR DURING OPERATION ENDURING FREEDOM.

(a) AUTHORIZATION.—Notwithstanding the time limitations specified in section 3744 of title 10, United States Code, or any other time limitation with respect to the awarding of certain medals to persons who served in the Armed Forces, the Secretary of the Army may award the Distinguished Service Cross under section 3742 of such title to Justin T. Gallegos for the acts of valor during Operation Enduring Freedom described in subsection (b).

(b) ACTION DESCRIBED.—The acts of valor referred to in subsection (a) are the actions of Justin T. Gallegos on October 3, 2009, while serving in the grade of Staff Sergeant in Afghanistan while serving with B Troop, 3d Squadron, 61st Cavalry Regiment, 4th Brigade Combat Team, 4th Infantry Division.

SEC. 582. AWARD OF MEDALS OR OTHER COMMENDATIONS TO HANDLERS OF MILITARY WORKING DOGS.

(a) PROGRAM OF AWARD REQUIRED.—Each Secretary of a military department shall carry out a program to provide for the award of one or more medals or other com-
mendations to handlers of military working dogs under the jurisdiction of such Secretary to recognize valor or meritorious achievement by such handlers and dogs.

(b) MEDALS AND COMMENDATIONS.—Any medal or commendation awarded pursuant to a program under subsection (a) shall be of such design, and include such elements, as the Secretary of the military department concerned shall specify.

(c) PRESENTATION AND ACCEPTANCE.—Any medal or commendation awarded pursuant to a program under subsection (a) may be presented to and accepted by the handler concerned on behalf of the handler and the military working dog concerned.

(d) REGULATIONS.—Medals and commendations shall be awarded under programs under subsection (a) in accordance with regulations prescribed by the Secretary of Defense for purposes of this section.

Subtitle H—Other Matters

SEC. 591. AUTHORITY TO AWARD DAMAGED PERSONAL PROTECTIVE EQUIPMENT TO MEMBERS SEPARATING FROM THE ARMED FORCES AND VETERANS AS MEMORIALS OF MILITARY SERVICE.

(a) IN GENERAL.—Chapter 152 of title 10, United States Code, is amended by adding at the end the following new section:
§2568a. Damaged personal protective equipment: award to members separating from the armed forces and veterans

“The Secretary of a military department may award to a member of the armed forces under the jurisdiction of the Secretary who is separating from the armed forces, and to any veteran formerly under the jurisdiction of the Secretary, demilitarized personal protective equipment (PPE) of the member or veteran that was damaged in combat or otherwise during the deployment of the member or veteran. The award of equipment under this section shall be without cost to the member or veteran concerned.”.

(b) Clerical Amendment.—The table of sections at the beginning of chapter 152 of such title is amended by adding at the end the following new item:

“2568a. Damaged personal protective equipment: award to members separating from the armed forces and veterans.”.

SEC. 592. STANDARDIZATION OF FREQUENCY OF ACADEMY VISITS OF THE AIR FORCE ACADEMY BOARD OF VISITORS WITH ACADEMY VISITS OF BOARDS OF OTHER MILITARY SERVICE ACADEMIES.

Section 9355 of title 10, United States Code, is amended by striking subsection (d) and inserting the following new subsection:
“(d) The Board shall visit the Academy annually. With the approval of the Secretary of the Air Force, the Board or its members may make other visits to the Academy in connection with the duties of the Board or to consult with the Superintendent of the Academy. Board members shall have access to the Academy grounds and the cadets, faculty, staff, and other personnel of the Academy for the purposes of the duties of the Board.”

SEC. 593. REDesignation of the Commandant of the United States Air Force Institute of Technology as the President of the United States Air Force Institute of Technology.

(a) Redesignation.—Section 9314b(a) of title 10, United States Code, is amended—

(1) in subsection heading, by striking “Commandant” and inserting “President”;

(2) by striking “Commandant” each place it appears and inserting “President”; and

(3) in the heading of paragraph (3), by striking “Commandant” and inserting “President”.

(b) References.—Any reference in any law, regulation, map, document, paper, or other record of the United States to the Commandant of the United States Air Force Institute of Technology shall be deemed to be a reference...
to the President of the United States Air Force Institute of Technology.

SEC. 594. LIMITATION ON JUSTIFICATIONS ENTERED BY MILITARY RECRUITERS FOR ENLISTMENT OR ACCESSION OF INDIVIDUALS INTO THE ARMED FORCES.

(a) IN GENERAL.—In any case in which a database or system maintained by an Armed Force regarding the reasons why individuals elect to enlist or access into the Armed Force provides for military recruiters to select among pre-specified options for reasons for such election, military recruiters entering data into such database or system may select only among such pre-specified options as reasons for the enlistment or accession of any particular individual.

(b) MILITARY RECRUITER DEFINED.—In this section, the term “military recruiter” means a person who as the duty to recruit persons into the Armed Forces for military service.

SEC. 595. NATIONAL COMMISSION ON MILITARY, NATIONAL, AND PUBLIC SERVICE MATTERS.

(a) DEFINITIONS.—Section 551(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2130) is amended—
(1) in paragraph (1), by inserting after “United States Code”) the following: “or active status (as that term is defined in subsection (d)(4) of such section);”

(2) in paragraph (2)—

(A) by striking “‘national service’” and inserting “‘public service’”; and

(B) by striking “or State Government” and inserting “, State, Tribal, or local government”;

(3) in paragraph (3)—

(A) by striking “‘public service’” and inserting “‘national service’”; and

(B) by striking “employment” and inserting “participation”; and

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

“(4) The term ‘establishment date’ means September 19, 2017.”.

(b) Exception to Paperwork Reduction Act.—Section 555(e) of that Act (130 Stat. 2134) is amended by adding at the end the following new paragraph:

“(4) Paperwork Reduction Act.—For purposes of developing its recommendations, the information collection of the Commission may be treated as a pilot project under section 3505(a) of title 44, United States Code. In addition, the Commission
shall not be subject to the requirements of section 3506(c)(2)(A) of such title.”.

SEC. 596. BURIAL OF UNCLAIMED REMAINS OF INMATES AT THE UNITED STATES DISCIPLINARY BARRACKS CEMETERY, FORT LEAVENWORTH, KANSAS.

Section 985 of title 10, United States Code, is amended—

(1) in subsection (b), by striking “A person who is ineligible” in the matter preceding paragraph (1) and inserting “Except as provided in subsection (c), a person who is ineligible”;

(2) by redesignating subsection (c) as subsection (d); and

(3) by inserting after subsection (b) the following new subsection (c):

“(c) UNCLAIMED REMAINS OF MILITARY PRISONERS.—Subsection (b) shall not preclude the burial at the United States Disciplinary Barracks Cemetery at Fort Leavenworth, Kansas, of a military prisoner, including a military prisoner who is a person described in section 2411(b) of title 38, who dies while in custody of a military department and whose remains are not claimed by the person authorized to direct disposition of the remains or by other persons legally authorized to dispose of the remains.”.
SEC. 597. SPACE-AVAILABLE TRAVEL ON DEPARTMENT OF DEFENSE AIRCRAFT FOR VETERANS WITH SERVICE-CONNECTED DISABILITIES RATED AS TOTAL.

(a) In General.—Subsection (c) of section 2641b of title 10, United States Code, is amended—

(1) by redesignating paragraphs (4) and (5) as paragraphs (5) and (6), respectively; and

(2) by inserting after paragraph (3) the following new paragraph (4):

“(4) Subject to subsection (f), veterans with a permanent service-connected disability rated as total.”.

(b) Conditions and Limitations.—Such section is further amended—

(1) by redesignating subsection (f) as subsection (g); and

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

“(f) Veterans With Service-connected Disabilities Rated as Total.—(1) Travel may not be provided under this section to a veteran eligible for travel pursuant to subsection (c)(4) in priority over any member eligible for travel under subsection (c)(1) or any dependent of such a member eligible for travel under this section.
“(2) The authority in subsection (c)(4) may not be construed as affecting or in any way imposing on the Department of Defense, any armed force, or any commercial company with which they contract an obligation or expectation that they will retrofit or alter, in any way, military aircraft or commercial aircraft, or related equipment or facilities, used or leased by the Department or such armed force to accommodate passengers provided travel under such authority on account of disability.

“(3) The authority in subsection (c)(4) may not be construed as preempting the authority of a flight commander to determine who boards the aircraft and any other matters in connection with safe operation of the aircraft.”.

TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS
Subtitle A—Pay and Allowances

SEC. 601. FISCAL YEAR 2019 INCREASE IN MILITARY BASIC PAY.

(a) WAIVER OF SECTION 1009 ADJUSTMENT.—The adjustment to become effective during fiscal year 2019 required by section 1009 of title 37, United States Code, in the rates of monthly basic pay authorized members of the uniformed services shall not be made.
(b) **INCREASE IN BASIC PAY.**—Effective on January 1, 2019, the rates of monthly basic pay for members of the uniformed services are increased by 2.6 percent.

**SEC. 602. REPEAL OF AUTHORITY FOR PAYMENT OF PERSONAL MONEY ALLOWANCES TO NAVY OFFICERS SERVING IN CERTAIN POSITIONS.**

(a) **REPEAL.**—Section 414 of title 37, United States Code, is amended—

(1) by striking subsection (b); and

(2) by redesignating subsection (c) as subsection (b).

(b) **EFFECTIVE DATE.**—The amendments made by subsection (a) shall take effect on December 31, 2018, and shall apply with respect to personal money allowances payable under section 414 of title 37, United States Code, for years beginning after that date.

**SEC. 603. DEPARTMENT OF DEFENSE PROPOSAL FOR A PAY TABLE FOR MEMBERS OF THE ARMED FORCES USING STEPS IN GRADE BASED ON TIME IN GRADE RATHER THAN TIME IN SERVICE.**

(a) **PROPOSAL REQUIRED.**—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report setting forth a proposal for a pay table for
members of the Armed Forces that uses steps in grade for each pay grade based on time of service within such pay grade rather than on time of service in the Armed Forces as a whole.

(b) Comptroller General Assessment.—Not later than April 1, 2019, the Comptroller General of the United States shall submit to the congressional defense committees a report setting forth an assessment by the Comptroller General of the proposed pay table required pursuant to subsection (a), including an assessment of the effects of using the proposed pay table, rather than the current pay table for members of the Armed Forces, on recruitment and retention of members of the Armed Forces as a whole and on recruitment and retention of members of the Armed Forces with particular sets of skills (including cyber and other technical skills).

SEC. 604. FINANCIAL SUPPORT FOR LESSORS UNDER THE MILITARY HOUSING PRIVATIZATION INITIATIVE DURING 2019.

(a) Support Authorized.—Subject to subsection (c), for each month during 2019, the Secretary of Defense may pay to a lessor of covered housing up to 2 percent of the amount calculated under section 403(b)(3)(A)(i) of title 37, United States Code, for the area in which the covered hous-
ing exists for each member to whom such lessor leases covered housing for such month.

(b) COVERED HOUSING.—In this section, the term “covered housing” means a unit of housing—

(1) acquired or constructed under the alternative authority of subchapter IV of chapter 169 of title 10, United States Code (known as the Military Housing Privatization Initiative);

(2) that is leased to a member of a uniformed service who resides in such unit; and

(3) for which the lessor charges such member rent that equals or exceeds the amount calculated under section 403(b)(3)(A) of title 37, United States Code.

(c) SUPPORT CONTINGENT ON NOTICE TO CONGRESS.—

(1) IN GENERAL.—The Secretary may not make payments to a lessor for particular covered housing in 2019 authorized by subsection (a) until the Secretary submits to the Committees on Armed Services of the Senate and the House of Representatives a notice on such payments.

(2) ELEMENTS.—The notice on payments to a lessor for particular covered housing in 2019 for purposes of paragraph (1) shall include the following:
(A) A documented request from the lessor for additional funding in connection with such housing and endorsed by the commander of the military installation concerned.

(B) A description of the formula to be used by the Secretary to calculate the amount of such payments.

(C) A description of the current financial condition of the lessor in connection with such housing, including the following:

(i) The current debt coverage ratio of the lessor for such housing.

(ii) An assessment of the lessor’s ability to fund future sustainment costs for such housing in the absence of payments as described in subsection (a).

(iii) An assessment of whether any earnings for the lessor from other covered housing, if any, can offset predicted shortfalls in funding for such housing.

(D) An assessment of the effects, if any, of recent reductions in basic allowance for housing on the financial viability of such housing for the lessor.
(E) A plan to ensure the long-term financial stability of such housing.

(F) A recommendation whether the contract between the lessor and government for such housing area should be retained without modification, or modified, to ensure long-term financial viability of such housing.

SEC. 605. MODIFICATION OF AUTHORITY OF PRESIDENT TO DETERMINE ALTERNATIVE PAY ADJUSTMENT IN ANNUAL BASIC PAY OF MEMBERS OF THE UNIFORMED SERVICES.

(a) Modification.—Section 1009(e) of title 37, United States Code, is amended—

(1) in paragraph (1), by striking “or serious economic conditions affecting the general welfare”;

(2) by striking paragraph (2); and

(3) by redesignating paragraph (3) as paragraph (2).

(b) Effective Date.—The amendments made by subsection (a) shall take effect on the date of the enactment of this Act, and—

(1) if the date of the enactment of this Act occurs before September 1 of a year, shall apply with respect to plans for alternative pay adjustments for any year beginning after such year; and
(2) if the date of the enactment of this Act occurs after August 31 of a year, shall apply with respect to plans for alternative pay adjustments for any year beginning after the year following such year.

SEC. 606. ELIGIBILITY OF RESERVE COMPONENT MEMBERS FOR HIGH-DEPLOYMENT ALLOWANCE FOR LENGTHY OR NUMEROUS DEPLOYMENTS AND FREQUENT MOBILIZATIONS.

Section 436(a)(2)(C)(ii) of title 37, United States Code, is amended by inserting after “under” the first place it appears the following: “section 12304b of title 10 or”.

SEC. 607. ELIGIBILITY OF RESERVE COMPONENT MEMBERS FOR NONREDUCTION IN PAY WHILE SERVING IN THE UNIFORMED SERVICES OR NATIONAL GUARD.

Section 5538(a) of title 5, United States Code, is amended in the matter preceding paragraph (1) by inserting after “under” the following: “section 12304b of title 10 or”.
SEC. 608. TEMPORARY ADJUSTMENT IN RATE OF BASIC ALLOWANCE FOR HOUSING FOLLOWING IDENTIFICATION OF SIGNIFICANT UNDERDETERMINATION OF CIVILIAN HOUSING COSTS FOR HOUSING AREAS.

Section 403(b) of title 37, United States Code, is amended by adding at the end the following new paragraph:

“(8)(A) Under the authority of this paragraph, the Secretary of Defense may prescribe a temporary adjustment in the current rates of basic allowance for housing for a military housing area or portion of a military housing area if the Secretary determines that the actual costs of adequate housing for civilians in that military housing area or portion thereof differ from such current rates of basic allowance for housing by an amount in excess of 20 percent of such current rates of basic allowance for housing.

“(B) Any temporary increase in rates of basic allowance for housing under this paragraph shall remain in effect only until the next annual adjustment in rates of basic allowance for housing under this subsection by law.

“(C) This paragraph shall cease to be effective on December 31, 2019.”.
Subtitle B—Bonuses and Special and Incentive Pays

SEC. 611. ONE-YEAR EXTENSION OF CERTAIN EXPIRING BONUS AND SPECIAL PAY AUTHORITIES.

(a) Authorities Relating to Title 37 Consolidated Special Pay, Incentive Pay, and Bonus Authorities.—The following sections of title 37, United States Code, are amended by striking “December 31, 2018” and inserting “December 31, 2019”:

(1) Section 331(h), relating to general bonus authority for enlisted members.

(2) Section 332(g), relating to general bonus authority for officers.

(3) Section 334(i), relating to special aviation incentive pay and bonus authorities for officers.

(4) Section 335(k), relating to special bonus and incentive pay authorities for officers in health professions.

(5) Section 336(g), relating to contracting bonus for cadets and midshipmen enrolled in the Senior Reserve Officers’ Training Corps.

(6) Section 351(h), relating to hazardous duty pay.

(7) Section 352(g), relating to assignment pay or special duty pay.
(8) Section 353(i), relating to skill incentive pay or proficiency bonus.

(9) Section 355(h), relating to retention incentives for members qualified in critical military skills or assigned to high priority units.

(b) AUTHORITIES RELATING TO RESERVE FORCES.—
Section 910(g) of title 37, United States Code, relating to income replacement payments for reserve component members experiencing extended and frequent mobilization for active duty service, is amended by striking “December 31, 2018” and inserting “December 31, 2019”.

(c) TITLE 10 AUTHORITIES RELATING TO HEALTH CARE PROFESSIONALS.—The following sections of title 10, United States Code, are amended by striking “December 31, 2018” and inserting “December 31, 2019”:

(1) Section 2130a(a)(1), relating to nurse officer candidate accession program.

(2) Section 16302(d), relating to repayment of education loans for certain health professionals who serve in the Selected Reserve.

(d) AUTHORITIES RELATING TO NUCLEAR OFFICERS.—Section 333(i) of title 37, United States Code, is amended by striking “December 31, 2018” and inserting “December 31, 2019”.
(e) Authority to Provide Temporary Increase in Rates of Basic Allowance for Housing.—Section 403(b)(7)(E) of title 37, United States Code, is amended by striking “December 31, 2018” and inserting “December 31, 2019”.

Subtitle C—Disability Pay, Retired Pay, and Survivor Benefits

Sec. 621. Technical Corrections in Calculation and Publication of Special Survivor Indemnity Allowance Cost of Living Adjustments.

(a) Months for Which Adjustment Applicable.—Paragraph (2) of section 1450(m) of title 10, United States Code, is amended—

(1) in subparagraph (I), by striking “December” and inserting “November”; and

(2) in subparagraph (J), by striking “for months during any calendar year after 2018” and inserting “for months after November 2018”.

(b) Cost of Living Adjustment.—Paragraph (6) of such section is amended—

(1) in the paragraph heading, by striking “AFTER 2018” and inserting “AFTER NOVEMBER 2018”; and
(2) by striking subparagraphs (A) and (B) and inserting the following new subparagraphs:

“(A) IN GENERAL.—Whenever retired pay is increased for a month under section 1401a of this title (or any other provision of law), the amount of the allowance payable under paragraph (1) for that month shall also be increased.

“(B) AMOUNT OF INCREASE.—With respect to an eligible survivor of a member of the uniformed services, the increase for a month shall be—

“(i) the amount payable pursuant to paragraph (2) for months during the preceding 12-month period; plus

“(ii) an amount equal to a percentage of the amount determined pursuant to clause (i), which percentage is the percentage by which the retired pay of the member would have increased for the month, as described in subparagraph (A), if the member was alive (and otherwise entitled to such pay).

“(C) ROUNDING DOWN.—The monthly amount of an allowance payable under this sub-
section, if not a multiple of $1, shall be rounded
to the next lower multiple of $1.

“(D) PUBLIC NOTICE ON AMOUNT OF AL-
LOWANCE PAYABLE.—Whenever an increase in
the amount of the allowance payable under para-
graph (1) is made pursuant to this paragraph,
the Secretary of Defense shall publish the amount
of the allowance so payable by reason of such in-
crease, including the months for which payable.”.

(c) EFFECTIVE DATE.—The amendments made by this
section shall take effect on December 1, 2018.

Subtitle D—Other Matters

SEC. 631. RATES OF PER DIEM FOR LONG-TERM TEM-
PORARY DUTY ASSIGNMENTS.

(a) REPORT ON COST-BENEFIT ANALYSIS OF NOVEM-
BER 2014 CHANGE OF POLICY.—

(1) IN GENERAL.—Not later than 90 days after
the date of the enactment of this Act, the Secretary of
Defense shall submit to the Committees on Armed
Services of the Senate and the House of Representa-
tives a report setting forth an analysis, conducted by
the Secretary for purposes of the report, of the costs
and benefits of the change in policy of the Depart-
ment of Defense on rates of per diem for long-term
temporary duty assignments that took effect on No-
November 1, 2014. The study shall be consistent with the principles and requirements of Office of Management and Budget Circular A–94.

(2) ELEMENT ASSESSING COST-BENEFIT.—The report under paragraph (1) shall specify, in particular, whether or not the benefits of the change in policy described in that paragraph have outweighed and will continue to outweigh the costs of the change of policy.

(b) CONTINGENT REVERSION TO PRIOR POLICY.—

(1) LACK OF REPORT.—If the report required by subsection (a)(1) is not submitted to the committees of Congress referred to in that subsection by the contingency date, effective as of the contingency date, the policy of the Department on rates of per diem for long-term temporary duty assignments shall be the policy as in effect as of October 31, 2014.

(2) FINDING OF COSTS OUTWEIGHING BENEFITS.—If the specification in the report as required by subsection (a)(2) is that the benefits of the change in policy described in subsection (a)(1) have not outweighed or will not continue to outweigh the costs of the change of policy, effective as of the date of the report, the policy of the Department on rates of per
diem for long-term temporary duty assignments shall be the policy as in effect as of October 31, 2014.

(3) Contingency date defined.—In this subsection, the term “contingency date” means the date that is 120 days after the date of the enactment of this Act.

SEC. 632. PROHIBITION ON PER DIEM ALLOWANCE REDUCTIONS BASED ON THE DURATION OF TEMPORARY DUTY ASSIGNMENT OR CIVILIAN TRAVEL.

(a) Members.—Section 474(d)(3) of title 37, United States Code, is amended by adding at the end the following new sentence: “The Secretary of a military department shall not alter the amount of the per diem allowance, or the maximum amount of reimbursement, for a locality based on the duration of the temporary duty assignment in the locality of a member of the armed forces under the jurisdiction of the Secretary.”.

(b) Civilian Employees.—Section 5702(a)(2) of title 5, United States Code, is amended by adding at the end the following new sentence: “The Secretary of Defense shall not alter the amount of the per diem allowance, or the maximum amount of reimbursement, for a locality based on the duration of the travel in the locality of an employee of the Department.”.
(c) Repeals.—

(1) Existing policy and regulations.—The policy, and any regulations issued pursuant to such policy, implemented by the Secretary of Defense on November 1, 2014, with respect to reductions in per diem allowances based on duration of temporary duty assignment or civilian travel shall have no force or effect.

(2) Attempted statutory fix.—Section 672 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 37 U.S.C. 474 note; 130 Stat. 2178) is repealed.

**TITLE VII—HEALTH CARE PROVISIONS**

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

**SEC. 701. CONSOLIDATION OF COST-SHARING REQUIREMENTS UNDER TRICARE SELECT AND TRICARE PRIME.**

(a) TRICARE Select.—

(1) In general.—Section 1075 of title 10, United States Code, is amended—

(A) in subsection (c), by striking paragraphs (1) and (2) and inserting the following new paragraphs:
“(1) With respect to beneficiaries in the active-duty family member category or the retired category other than beneficiaries described in paragraph (2)(B), the cost-sharing requirements shall be calculated pursuant to subsection (d)(1).

“(2)(A) With respect to beneficiaries described in subparagraph (B) in the active-duty family member category or the retired category, the cost-sharing requirements shall be calculated as if the beneficiary were enrolled in TRICARE Extra or TRICARE Standard as if TRICARE Extra or TRICARE Standard, as the case may be, were still being carried out by the Secretary.

“(B) Beneficiaries described in this subparagraph are the following beneficiaries:

“(i) Retired members and the family members of such retired members covered by section 1086(c)(1) of this title by reason of being retired under chapter 61 of this title or being a dependent of such a retired member.

“(ii) Survivors covered by section 1086(c)(2) of this title.”;

(B) by striking subsection (e); and
(C) by redesignating subsections (f), (g), and (h) as subsections (e), (f), and (g), respectively.

(2) CONFORMING AMENDMENT.—Subsection (d)(2) of such section is amended by striking “, and the amounts specified under paragraphs (1) and (2) of subsection (e),”.

(b) TRICARE PRIME.—Section 1075a(a) of title 10, United States Code, is amended—

(1) by striking paragraph (2) and inserting the following new paragraph:

“(2) With respect to beneficiaries in the active-duty family member category or the retired category (as described in section 1075(b)(1) of this title) other than beneficiaries described in paragraph (3)(B), the cost-sharing requirements shall be calculated pursuant to subsection (b)(1).”; and

(2) in paragraph (3), by striking subparagraph (B) and inserting the following new subparagraph:

“(B) Beneficiaries described in this subparagraph are the following beneficiaries:

“(i) Retired members and the family members of such retired members covered by section 1086(c)(1) of this title by reason of being retired
under chapter 61 of this title or being a dependent of such a retired member.

“(ii) Survivors covered by section 1086(c)(2) of this title.”.

(c) Effective Date.—The amendments made by this section shall take effect on January 1, 2019.

SEC. 702. ADMINISTRATION OF TRICARE DENTAL PLANS THROUGH THE FEDERAL EMPLOYEES DENTAL INSURANCE PROGRAM.

(a) Eligibility of Additional Beneficiaries Under the Federal Employees Dental Insurance Program.—Section 8951(8) of title 5, United States Code, is amended by striking “1076c” and inserting “1076a or 1076c”.

(b) Administration of TRICARE Dental Plans.—Subsection (b) of section 1076a of title 10, United States Code, is amended to read as follows:

“(b) Administration of Plans.—The plans established under this section shall be administered by the Secretary of Defense through an agreement with the Director of the Office of Personnel Management to allow persons described in subsection (a) to enroll in an insurance plan under chapter 89A of title 5, in accordance with terms prescribed by the Secretary, including terms, to the extent practical, as defined by the Director through regulation,
consistent with subsection (d) and, to the extent practicable in relation to such chapter 89A, other provisions of this section.”.

(c) APPLICABILITY.—The amendments made by this section shall apply with respect to the first contract year for chapter 89A of title 5, United States Code, that begins on or after January 1, 2022.

(d) TRANSITION.—To ensure the successful transition of programs, in carrying out the TRICARE dental program under section 1076a of title 10, United States Code, the Secretary of Defense shall ensure that the contractor for such program provides claims information under such program to carriers providing dental coverage under chapter 89A of title 5, United States Code.

SEC. 703. CONTRACEPTION COVERAGE PARITY UNDER THE TRICARE PROGRAM.

(a) IN GENERAL.—Section 1074d(b)(3) of title 10, United States Code, is amended by inserting before the period at the end the following: “(including all methods of contraception approved by the Food and Drug Administration, contraceptive care (including with respect to insertion, removal, and follow up), sterilization procedures, and patient education and counseling in connection therewith)”.

(b) PROHIBITION ON COST-SHARING FOR CERTAIN SERVICES.—
(1) TRICARE SELECT.—Section 1075(c) of such title is amended by adding at the end the following new paragraph:

“(4) For all beneficiaries under this section, there is no cost-sharing for any method of contraception provided by a network provider.”.

(2) TRICARE PRIME.—Section 1075a(b) of such title is amended by adding at the end the following new paragraph:

“(5) For all beneficiaries under this section, there is no cost-sharing for any method of contraception provided by a network provider.”.

(3) PHARMACY BENEFITS PROGRAM.—Section 1074g(a)(6) of such title is amended by adding at the end the following new subparagraph:

“(D) Notwithstanding subparagraphs (A) and (B), there is no cost-sharing for any prescription contraceptive on the uniform formulary provided by a network retail pharmacy provider or the mail order pharmacy program.”.

(c) EFFECTIVE DATE.—The amendments made by this section shall take effect on January 1, 2020.

SEC. 704. PILOT PROGRAM ON OPIOID MANAGEMENT IN THE MILITARY HEALTH SYSTEM.

(a) PILOT PROGRAM.—
(1) In General.—Beginning not later than 180 days after the date of the enactment of this Act, the Director of the Defense Health Agency shall implement a comprehensive pilot program to minimize early opioid exposure in beneficiaries under the TRICARE program and to prevent progression to misuse or abuse of opioid medications.

(2) Opioid Safety Across Continuum of Care.—The pilot program shall include elements to maximize opioid safety across the entire continuum of care consisting of patient, physician or dentist, and pharmacist.

(b) Elements of Pilot Program.—The pilot program shall include the following:

(1) Identification of potential opioid misuse or abuse in pharmacies of military treatment facilities, retail network pharmacies, and the home delivery pharmacy and transmission of alerts regarding such potential mistreatment to opioid prescribing physicians or dentists.

(2) Direct engagement with, education for, and management of beneficiaries under the TRICARE program to help such beneficiaries avoid opioid misuse or abuse.
(3) Provision of in-home disposal kits to deactivate excess opioids and prevent unauthorized use.

(4) Proactive outreach by specialist pharmacists to such beneficiaries when identifying potential opioid misuse or abuse.

(5) Monitoring of such beneficiaries through the use of predictive analytics to identify the potential for abuse and addiction before such beneficiaries begin an opioid prescription.

(6) Detection of fraud, waste, and abuse.

(c) REPORT ON PILOT PROGRAM.—

(1) IN GENERAL.—Not later than 180 days before completion of the pilot program, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report that describes the conduct of the pilot program.

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

(A) A description of the pilot program, including outcome measures developed to determine the overall effectiveness of the pilot program.

(B) A description of the ability of the pilot program to identify opioid misuse and abuse among beneficiaries under the TRICARE pro-
gram in each pharmacy venue of the pharmacy program of the military health system.

(C) A description of the impact of the use of predictive analytics to monitor such beneficiaries to identify the potential for opioid abuse and addiction before such beneficiaries begin an opioid prescription.

(D) A description of any reduction in the misuse or abuse of opioid medications among such beneficiaries as a result of the pilot program.

(d) DURATION.—

(1) In general.—Except as provided in paragraph (2), the Director shall carry out the pilot program for a period of not more than three years.

(2) Expansion.—The Director may implement the pilot program on a permanent basis if the Director determines that the pilot program successfully reduces early opioid exposure in beneficiaries under the TRICARE program and prevents progression to misuse or abuse of opioid medications.

(e) TRICARE PROGRAM DEFINED.—In this section, the term "TRICARE program" has the meaning given that term in section 1072 of title 10, United States Code.
SEC. 705. PILOT PROGRAM ON TREATMENT OF MEMBERS OF THE ARMED FORCES FOR POST-TRAUMATIC STRESS DISORDER RELATED TO MILITARY SEXUAL TRAUMA.

(a) IN GENERAL.—The Secretary of Defense may carry out a pilot program to assess the feasibility and advisability of using intensive outpatient programs to treat members of the Armed Forces suffering from post-traumatic stress disorder resulting from military sexual trauma, including treatment for substance abuse, depression, and other issues related to such conditions.

(b) DISCHARGE THROUGH PARTNERSHIPS.—The pilot program authorized by subsection (a) shall be carried out through partnerships with public, private, and non-profit health care organizations and institutions that—

(1) provide health care to members of the Armed Forces;

(2) provide evidence-based treatment for psychological and neurological conditions that are common among members of the Armed Forces, including post-traumatic stress disorder, traumatic brain injury, substance abuse, and depression;

(3) provide health care, support, and other benefits to family members of members of the Armed Forces; and
(4) provide health care under the TRICARE program (as that term is defined in section 1072 of title 10, United States Code).

(c) PROGRAM ACTIVITIES.—Each organization or institution that participates in a partnership under the pilot program authorized by subsection (a) shall—

(1) carry out intensive outpatient programs of short duration to treat members of the Armed Forces suffering from post-traumatic stress disorder resulting from military sexual trauma, including treatment for substance abuse, depression, and other issues related to such conditions;

(2) use evidence-based and evidence-informed treatment strategies in carrying out such programs;

(3) share clinical and outreach best practices with other organizations and institutions participating in the pilot program; and

(4) annually assess outcomes for members of the Armed Forces individually and among the organizations and institutions participating in the pilot program with respect to the treatment of conditions described in paragraph (1).

(d) EVALUATION METRICS.—Before commencement of the pilot program, the Secretary shall establish metrics to
be used to evaluate the effectiveness of the pilot program and the activities under the pilot program.

(e) REPORTS.—

(1) INITIAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program authorized by subsection (a). The report shall include a description of the pilot program and such other matters on the pilot program as the Secretary considers appropriate.

(2) FINAL REPORT.—Not later than 180 days after the cessation of the pilot program under subsection (f), the Secretary shall submit to the committees of Congress referred to in paragraph (1) a report on the pilot program. The report shall include the following:

(A) A description of the pilot program, including the partnership under the pilot program as described in subsection (b).

(B) An assessment of the effectiveness of the pilot program and the activities under the pilot program.

(C) Such recommendations for legislative or administrative action as the Secretary considers
appropriate in light of the pilot program, in-
cluding recommendations for extension or mak-
ing permanent the authority for the pilot pro-
gram.

(f) TERMINATION.—The Secretary may not carry out
the pilot program authorized by subsection (a) after the date
that is three years after the date of the enactment of this
Act.

Subtitle B—Health Care
Administration

SEC. 711. IMPROVEMENT OF ADMINISTRATION OF DEFENSE
HEALTH AGENCY AND MILITARY MEDICAL
TREATMENT FACILITIES.

(a) In General.—Subsection (a) of section 1073c of
title 10, United States Code, is amended—

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

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

“(2) In addition to the responsibilities set forth in
paragraph (1), the Director of the Defense Health Agency
shall have the authority—

“(A) to direct, control, and serve as the primary
rater of the performance of commanders or directors
of military medical treatment facilities;
“(B) to direct and control any intermediary organizations between the Defense Health Agency and military medical treatment facilities;

“(C) to determine the scope of medical care provided at each military medical treatment facility to meet the military personnel readiness requirements of the senior military operational commander of the military installation;

“(D) to determine total workforce requirements at each military medical treatment facility;

“(E) to direct joint manning at military medical treatment facilities and intermediary organizations;

“(F) to establish training and skills sustainment venues for military medical personnel;

“(G) to address personnel staffing shortages at military medical treatment facilities; and

“(H) to approve service nominations for commanders or directors of military medical treatment facilities.”.

(b) COMBAT SUPPORT RESPONSIBILITIES.—Subsection (d)(2) of such section is amended by adding at the end the following new subparagraph:

“(C) Ensuring that the Defense Health Agency meets the military personnel readiness requirements
of the senior military operational commanders of the military installations.”.

SEC. 712. ORGANIZATIONAL FRAMEWORK OF THE MILITARY HEALTHCARE SYSTEM TO SUPPORT MEDICAL REQUIREMENTS OF THE COMBATANT COMMANDS.

(a) ORGANIZATIONAL FRAMEWORK REQUIRED.—The Secretary of Defense shall, acting through the Director of the Defense Health Agency, implement an organizational framework for the military healthcare system that most effectively implements chapter 55 of title 10, United States Code, in a manner that maximizes interoperability and fully integrates medical capabilities of the Armed Forces in order to enhance joint military medical operations in support of requirements of the combatant commands.

(b) IMPLEMENTATION.—

(1) COMMENCEMENT.—Implementation of the organizational framework required by subsection (a) shall commence not later than October 1, 2018.

(2) PHASED IMPLEMENTATION.—Implementation of the organizational framework may occur in phases, as considered appropriate by the Director.

(3) COMPLETION.—The organizational framework shall be fully implemented by not later than October 1, 2020.
(4) **Compliance with certain requirements.**—The organizational framework, as implemented, shall comply with all requirements of section 1073c of title 10, United States Code, except for the October 1, 2018, implementation date specified in such section.

(c) **Health-readiness Regions in CONUS Required.**—The organizational framework required by subsection (a) shall meet the requirements as follows:

(1) **Health-readiness regions.**—There shall be not more than three health-readiness regions established in the continental United States.

(2) **Leader.**—Each region under paragraph (1) shall be led by a commander or director who is a member of the Armed Forces serving in a grade not higher than major general or rear admiral and who shall be—

   (A) selected by the Director from among members of the Armed Forces recommended by the military departments for service in such position; and

   (B) under the authority, direction, and control of the Director while serving in such position.

(3) **Regional hubs.**—
(A) IN GENERAL.—Each region under paragraph (1) shall include a major military medical center designated by the Director to serve as the regional hub for the provision of specialized medical services in such region.

(B) CAPABILITIES.—A major medical center may not be designated as a regional hub unless the center—

(i) includes one or more large graduate medical education training platforms; and

(ii) provides, at a minimum, role 4 medical care.

(C) LOCATION.—Any major medical center designated as a regional hub of a region shall be geographically located so as to maximize the support provided by uniformed medical resources in the region to the combatant commands. In designating major medical centers as a regional hub, the Director shall give consideration to the collocation of such centers with major aerial debarkation points of patients in the medical evacuation system of the United States Transportation Command.

(D) MAJOR HEALTH CARE DELIVERY PLATFORM.—A major medical center designated as a
regional hub of a region shall serve as the major health care delivery platform for the provision of complex specialized medical care in the region, whether through patient referrals from other military medical treatment facilities in the region or through referrals from other regions in the case of certain specialized medical services (such as treatment for severe burns) which may only be available at a military medical treatment facility within the region.

(4) ADDITIONAL MILITARY MEDICAL CENTERS.— Consistent with section 1073d of title 10, United States Code, each region under paragraph (1) may include one or more additional military medical centers, whether established or maintained by the Director for purposes of this section, in order to serve locations in the region, if any, as follows:

(A) Locations with large beneficiary populations.

(B) Locations that serve as the primary readiness platforms of the Armed Forces.

(5) PATIENT REFERRALS AND COORDINATION.— The Director shall ensure effective and efficient medical care referrals and coordination among military medical treatment facilities in each region under
paragraph (1), and among local or regional high-per-
forming health systems in the region, through local or
regional partnerships with institutional or individual
civilian providers.

(d) Health-readiness Regions OCONUS Re-
quired.—The organizational framework required by sub-
section (a) shall meet the requirements as follows:

(1) Health-readiness regions.—There shall
be established not more than two health-readiness re-
gions outside the continental United States—

(A) to enhance joint military medical oper-
ations in support of the requirements of the com-
batant commands in such region or regions, with
a specific focus on existing and future contin-
gency and operational plans;

(B) to ensure the provision of high-quality
healthcare services to beneficiaries; and

(C) to improve the interoperability of
healthcare delivery systems in regions (whether
under this subsection, subsection (c), or both).

(2) Patient referrals and coordination.—
The Director shall ensure effective and efficient med-
ical care referrals and coordination among military
medical treatment facilities in any region under
paragraph (1), and among local or regional high-per-
forming health systems in such region.

(e) PLANNING AND COORDINATION.—

(1) SUSTAINMENT OF CLINICAL COMPETENCIES
AND STAFFING.—The Director shall—

(A) provide in each health-readiness region
under this section healthcare delivery venues for
uniformed medical and dental personnel to ob-
tain operational clinical competencies; and

(B) coordinate with the military depart-
ments to ensure that staffing at military medical
treatment facilities in each region supports read-
iness requirements for members of the Armed
Forces and military medical personnel.

(2) OVERSIGHT AND ALLOCATION OF RE-
SOURCES.—

(A) IN GENERAL.—The Director shall, con-
sistent with section 193 of title 10, United States
Code, coordinate with the Chairman of the Joint
Chiefs of Staff, through the Joint Staff Surgeon,
to conduct oversight and direct resources to sup-
port requirements related to readiness or oper-
ational medicine support that are validated by
the Joint Staff.
(B) Supply and Demand for Medical Services.—Based on operational medical force readiness requirements of the combatant commands validated by the Joint Staff, the Director shall—

(i) validate supply and demand requirements for medical and dental services at each military medical treatment facility;

(ii) in coordination with the operational medical force readiness organizations required by subsection (f)(1), provide currency workload for uniformed medical and dental personnel at each facility to maintain skills proficiency; and

(iii) if workload is insufficient to meet requirements, identify alternative training and clinical practice sites for uniformed medical and dental personnel, and establish military-civilian training partnerships, to provide such workload.

(f) Operational Medical Force Readiness Organizations of the Armed Forces.—

(1) Establishment.—Not later than October 1, 2019, the Secretary of Defense shall, acting through the Secretary of the military department concerned,
establish in each military department an operational
medical force readiness organization in accordance
with this subsection.

(2) LEADER.—

(A) IN GENERAL.—Each operational medical force readiness organization established under paragraph (1) shall be led by the Surgeon General of an Armed Force.

(B) CONSTRUCTION OF DUTIES.—The duties of a Surgeon General under this paragraph as leader of an operational medical force readiness organization are in addition to the duties of such Surgeon General under section 3036, 5137, or 8036 of title 10, United States Code, as applicable.

(3) RESPONSIBILITIES.—The responsibilities of an operational medical force readiness organization are limited to the responsibilities as follows:

(A) To recruit, organize, train, and equip uniformed medical and dental personnel of the military department concerned.

(B) To assign uniformed medical and dental personnel of the military department concerned to military medical treatment facilities for training activities specific to such military
department and for operational and training missions, during which assignment such personnel shall be under the operational control of the commander or director of the military medical treatment facility concerned, subject to the authority, direction, and control of the Director.

(C) To ensure the readiness for operational deployment of medical and dental personnel and deployable medical or dental teams or units of the Armed Force or Armed Forces concerned.

(D) To provide logistical support for operational deployment of medical and dental personnel and deployable medical or dental teams or units of the Armed Force or Armed Forces concerned.

(E) To oversee the mobilization and demobilization in connection with operational deployment of medical and dental personnel of the Armed Force or Armed Forces concerned.

(F) To carry out operational medical and dental force development for the military department concerned.

(G) In coordination with the Secretary concerned, to ensure that the operational medical force readiness organizations of the Armed
Forces support the medical and dental readiness responsibilities of the Director and the Secretary concerned.

(4) MEDICAL FORCE REQUIREMENTS OF COMBATANT COMMANDS.—

(A) IN GENERAL.—Each operational medical force readiness organization shall ensure that the uniformed medical and dental personnel serving in the military department concerned receive training and clinical practice opportunities necessary to ensure that such personnel are capable of meeting the operational medical force requirements of the combatant commands applicable to such personnel. Such training and practice opportunities shall be provided through programs and activities of the Defense Health Agency and by such other mechanisms as the Secretary shall designate for purposes of this paragraph.

(B) REQUIREMENTS.—The commanders of the combatant commands shall apprise operational medical force readiness organizations of the operational medical force requirements of the combatant commands through the Joint Staff.
(5) **No Command Authority.**—An operational medical force readiness organization established under paragraph (1) shall have no command authority.

(g) **Disestablishment of Superseded Medical Organizations.**—

(1) **In General.**—Not later than the date on which the Secretary of Defense establishes an operational medical force readiness organization within a military department pursuant to subsection (f), the Secretary of Defense shall, acting through the Secretary of such military department concerned, disestablish the following:

(A) In the case of the Army, the Army Medical Command, and any associated subordinate command or organization.

(B) In the case of the Navy, the Bureau of Medicine and Surgery of the Navy, and any associated subordinate command or organization.

(C) In the case of the Air Force, the Air Force Medical Service, and any associated subordinate command or organization.

(2) **Transfer of Personnel Authorizations.**—Any personnel authorization of a command or organization disestablished pursuant to paragraph (1) as of the date of disestablishment may be trans-
ferred by the Secretary to the Defense Health Agency or any other organization of the Department of Defense considered appropriate by the Secretary, including an operational medical force readiness organization under subsection (f).

SEC. 713. STREAMLINING OF TRICARE PRIME BENEFICIARY REFERRAL PROCESS.

(a) In General.—The Secretary of Defense shall streamline the process under section 1095f of title 10, United States Code, by which beneficiaries enrolled in TRICARE Prime are referred to the civilian provider network for inpatient or outpatient care under the TRICARE program.

(b) Objectives.—In carrying out the requirement in subsection (a), the Secretary shall meet the following objectives:

(1) The referral process shall model best industry practices for referrals from primary care managers to specialty care providers.

(2) The process shall strictly limit administrative requirements for enrolled beneficiaries, relying instead on communications among providers and care coordinators to arrange appointments within applicable access to care scheduling time standards.
(3) Beneficiary preferences for communications relating to appointment referrals using state-of-the-art information technology shall be used to expedite the process.

(4) There shall be effective and efficient processes to determine the availability of appointments at military medical treatment facilities and, when unavailable, to make prompt referrals to network providers under the TRICARE program.

(5) There shall be no right-of-first refusal requirement under the process.

(c) DEADLINE FOR IMPLEMENTATION.—The requirement in subsection (a) shall be implemented for referrals under TRICARE Prime in calendar year 2019.

(d) EVALUATION AND IMPROVEMENT.—After 2019, the Secretary shall—

(1) evaluate the process described in subsection (a) not less often annually; and

(2) make appropriate improvements to the process in light of such evaluation.

(e) DEFINITIONS.—In this section, the terms “TRICARE program” and “TRICARE Prime” have the meaning given such terms in section 1072 of title 10, United States Code.
SEC. 714. SHARING OF INFORMATION WITH STATE PRESCRIPTION DRUG MONITORING PROGRAMS.

(a) In General.—Section 1074g of title 10, United States Code, is amended—

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

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

“(g) Sharing of Information With State Prescription Drug Monitoring Programs.—(1) The Secretary of Defense shall establish and maintain a program (to be known as the ‘Military Health System Prescription Drug Monitoring Program’) in accordance with this subsection. The program shall include a special emphasis on drugs provided through facilities of the uniformed services.

“(2) The program shall be—

“(A) comparable to prescription drug monitoring programs operated by States, including such programs approved by the Secretary of Health and Human Services under section 399O of the Public Health Service Act (42 U.S.C. 280g–3); and

“(B) applicable to designated controlled substance prescriptions under the pharmacy benefits program.

“(3)(A) The Secretary shall establish appropriate procedures for the bi-directional sharing of patient-specific in-
formation regarding prescriptions for designated controlled substances between the program and State prescription drug monitoring programs.

“(B) The purpose of sharing of information under this paragraph shall be to prevent misuse and diversion of opioid medications and other designated controlled substances.

“(C) Any disclosure of patient-specific information by the Secretary under this paragraph is an authorized disclosure for purposes of the health information privacy regulations promulgated under the Health Insurance Portability and Accountability Act of 1996 (Public Law 104–191).

“(4)(A) Any procedures developed pursuant to paragraph (3)(A) shall include appropriate safeguards, as determined by the Secretary, concerning cyber security of Department of Defense systems and operational security of Department personnel.

“(B) To the extent the Secretary considers appropriate, the program may be treated as comparable to a State program for purposes of bi-directional sharing of controlled substance prescription information.

“(5) For purposes of this subsection, any reference to a program operated by a State includes any program operated by a county, municipality, or other subdivision within that State.”.
304

(b) CONFORMING AMENDMENT.—Section 1079(q) of such title is amended by striking “section 1074g(g)” and inserting “section 1074g(h)”.

SEC. 715. IMPROVEMENT OF REIMBURSEMENT BY DEPARTMENT OF DEFENSE OF ENTITIES CARRYING OUT STATE VACCINATION PROGRAMS IN CONNECTION WITH VACCINES PROVIDED TO COVERED BENEFICIARIES UNDER THE TRICARE PROGRAM.

Section 719(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 1074g note) is amended—

(1) in paragraph (1), by striking “for the cost of vaccines provided to covered beneficiaries through such program”; and

(2) in paragraph (2)—

(A) in subparagraph (A), by striking “to purchase vaccines provided” and inserting “in making vaccines available”;

(B) in subparagraph (B), by striking “to provide vaccines” and all that follows through the period at the end and inserting “with respect to a State vaccination program may not exceed the amount the Department would reimburse an entity for making vaccines available to the num-
ber of covered beneficiaries who reside in the State concerned.”; and

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

“(C) **Inapplicability of limitation.**—Subparagraph (B) shall not apply to amounts assessed by entities that provide independent verification that the assessments of such entities are below the costs of the private sector in making vaccines available.”.

**Subtitle C—Reports and Other Matters**

**SEC. 721. EXTENSION OF AUTHORITY FOR JOINT DEPARTMENT OF DEFENSE-DEPARTMENT OF VETERANS AFFAIRS MEDICAL FACILITY DEMONSTRATION FUND.**

fense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended by striking “September 30, 2019” and inserting “September 30, 2020”.

SEC. 722. INCREASE IN NUMBER OF APPOINTED MEMBERS OF THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE.

Section 178(c)(1)(C) of title 10, United States Code, is amended by striking “four members” and inserting “six members”.

SEC. 723. CESSATION OF REQUIREMENT FOR MENTAL HEALTH ASSESSMENT OF MEMBERS AFTER REDEPLOYMENT FROM A CONTINGENCY OPERATION UPON DISCHARGE OR RELEASE FROM THE ARMED FORCES.

Section 1074m of title 10, United States Code, is amended—

(1) in subsection (a)(1)(C), by striking “Once” and inserting “Subject to subsection (d), once”; and

(2) in subsection (d), by striking “subsection (a)(1)(D)” and inserting “subparagraph (C) or (D) of subsection (a)(1)”. 
SEC. 724. PILOT PROGRAM ON EARNING BY SPECIAL OPERATIONS FORCES MEDICS OF CREDITS TOWARDS A PHYSICIAN ASSISTANT DEGREE.

(a) In general.—The Assistant Secretary of Defense for Health Affairs shall conduct a pilot program to assess the feasibility and advisability of partnerships between special operations forces and institutions of higher education, and health care systems if determined appropriate by the Assistant Secretary for purposes of the pilot program, through which special operations forces medics earn credit toward the master’s degree of physician assistant for military operational work and training performed by the medics.

(b) Duration.—The Assistant Secretary shall conduct the pilot program for a period not to exceed five years.

(c) Clinical Training.—Partnerships under subsection (a) shall permit medics participating in the pilot program to conduct clinical training at medical facilities of the Department of Defense and the civilian sector.

(d) Evaluation.—The evaluation of work and training performed by medics for which credits are earned under the pilot program shall comply with civilian clinical evaluation standards applicable to the awarding of master’s degrees of physician assistant.

(e) Reports.—
(1) INITIAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representative a report that shall include the following:

(A) A comprehensive framework for the military education to be provided to special operations forces medics under the pilot program, including courses of instruction at institutions of higher education and any health care systems participating in the pilot program.

(B) Metrics to be used to assess the effectiveness of the pilot program.

(C) A description of the mechanisms to be used by the Department, medics, or both to cover the costs of education received by medics under the pilot program through institutions of higher education or health care systems, including payment by the Department in return for a military service commitment, tuition or other educational assistance by the Department, use by medics of post-9/11 educational assistance available through the Department of Veterans Affairs, and any other mechanisms the Secretary considers appropriate for purposes of the pilot program.
(2) Final report.—Not later than 180 days after completion of the pilot program, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a final report on the pilot program. The report shall include the following:

(A) An evaluation of the pilot program using the metrics of assessment set forth pursuant to paragraph (1)(B).

(B) An assessment of the utility of the funding mechanisms set forth pursuant to paragraph (1)(C).

(C) An assessment of the effects of the pilot program on recruitment and retention of medics for special operations forces.

(D) An assessment of the feasibility and advisability of extending one or more authorities for joint professional military education under chapter 107 of title 10, United States Code, to warrant officers or enlisted personnel, and if the Secretary considers the extension of any such authorities feasible and advisable, recommendations for legislative or administrative action to so extend such authorities.
(f) CONSTRUCTION OF AUTHORITIES.—Nothing in this section may be construed to—

(1) authorize an officer or employee of the Federal Government to create, endorse, or otherwise incentivize a particular curriculum or degree track; or

(2) require, direct, review, or control a State or educational institution, or the instructional content, curriculum, and related activities of a State or educational institution.

SEC. 725. PILOT PROGRAM ON PARTNERSHIPS WITH CIVILIAN ORGANIZATIONS FOR SPECIALIZED MEDICAL TRAINING.

(a) IN GENERAL.—The Secretary of Defense shall carry out a pilot program to assess the feasibility and advisability of establishing partnerships with public, private, and non-profit organizations and institutions to provide short-term specialized medical training to advance the medical skills and capabilities of military medical providers.

(b) DURATION.—The Secretary may carry out the pilot program under subsection (a) for a period of not more than three years.

(c) EVALUATION METRICS.—Before commencing the pilot program under subsection (a), the Secretary shall es-
(d) REPORTS.—

(1) INITIAL REPORT.—

(A) IN GENERAL.—Not later than 180 days before the commencement of the pilot program under subsection (a), the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program.

(B) ELEMENTS.—The report required by subparagraph (A) shall include a description of the pilot program, the evaluation metrics established under subsection (c), and such other matters relating to the pilot program as the Secretary considers appropriate.

(2) FINAL REPORT.—

(A) IN GENERAL.—Not later than 180 days after the completion of the pilot program under subsection (a), the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program.

(B) ELEMENTS.—The report required by subparagraph (A) shall include the following:
(i) A description of the pilot program, including the partnerships established under the pilot program as described in subsection (a).

(ii) An assessment of the effectiveness of the pilot program.

(iii) Such recommendations for legislative or administrative action as the Secretary considers appropriate in light of the pilot program, including recommendations for extending or making permanent the authority for the pilot program.

(e) FUNDING.—

(1) IN GENERAL.—The amount authorized to be appropriated for fiscal year 2019 for the Department of Defense for the Defense Health Program for education and training shall be increased by $2,500,000.

(2) AVAILABILITY.—The amount of the increase of the authorization under paragraph (1) shall be available to carry out this section and shall remain available for obligation until the completion of the pilot program under this section.
SEC. 726. REGISTRY OF INDIVIDUALS EXPOSED TO PER-
AND POLYFLUOROALKYL SUBSTANCES ON
MILITARY INSTALLATIONS.

(a) Establishment of Registry.—

(1) In general.—Not later than one year after
the date of the enactment of this Act, the Secretary of
Veterans Affairs shall—

(A) establish and maintain a registry for el-
igible individuals who may have been exposed to
per- and polyfluoroalkyl substances (in this sec-
tion referred to as “PFAS”) due to the environ-
mental release of aqueous film-forming foam (in
this section referred to as “AFFF”) on military
installations to meet the requirements of military
specification MIL–F–24385F;

(B) include any information in such reg-
istry that the Secretary of Veterans Affairs deter-
mines necessary to ascertain and monitor the
health effects of the exposure of members of the
Armed Forces to PFAS associated with AFFF;

(C) develop a public information campaign
to inform eligible individuals about the registry,
including how to register and the benefits of reg-
istering; and

(D) periodically notify eligible individuals
of significant developments in the study and
treatment of conditions associated with exposure to PFAS.

(2) COORDINATION.—The Secretary of Veterans Affairs shall coordinate with the Secretary of Defense in carrying out paragraph (1).

(b) REPORTS.—

(1) INITIAL REPORT.—Not later than two years after the date on which the registry under subsection (a) is established, the Secretary of Veterans Affairs shall submit to Congress an initial report containing the following:

(A) An assessment of the effectiveness of actions taken by the Secretary of Veterans Affairs and the Secretary of Defense to collect and maintain information on the health effects of exposure to PFAS.

(B) Recommendations to improve the collection and maintenance of such information.

(C) Using established and previously published epidemiological studies, recommendations regarding the most effective and prudent means of addressing the medical needs of eligible individuals with respect to exposure to PFAS.

(2) FOLLOW-UP REPORT.—Not later than five years after submitting the initial report under para-
graph (1), the Secretary of Veterans Affairs shall submit to Congress a follow-up report containing the following:

(A) An update to the initial report submitted under paragraph (1).

(B) An assessment of whether and to what degree the content of the registry established under subsection (a) is current and scientifically up-to-date.

(3) INDEPENDENT SCIENTIFIC ORGANIZATION.— The Secretary of Veterans Affairs shall enter into an agreement with an independent scientific organization to prepare the reports under paragraphs (1) and (2).

(c) RECOMMENDATIONS FOR ADDITIONAL EXPOSURES TO BE INCLUDED.—Not later than five years after the date of the enactment of this Act, and every five years thereafter, the Secretary of Veterans Affairs, in consultation with the Secretary of Defense and the Administrator of the Environmental Protection Agency, shall submit to Congress recommendations for additional chemicals with respect to which individuals exposed to such chemicals should be included in the registry established under subsection (a).

(d) ELIGIBLE INDIVIDUAL DEFINED.—In this section, the term “eligible individual” means any individual who,
on or after a date specified by the Secretary of Veterans Affairs through regulations, served or is serving in the Armed Forces at a military installation where AFFF was used or at another location of the Department of Defense where AFFF was used.

SEC. 727. INCLUSION OF GAMBLING DISORDER IN HEALTH ASSESSMENTS FOR MEMBERS OF THE ARMED FORCES AND RELATED RESEARCH EFFORTS.

(a) Annual Periodic Health Assessment.—The Secretary of Defense shall incorporate medical screening questions specific to gambling disorder into the Annual Periodic Health Assessment conducted by the Department of Defense for members of the Armed Forces.

(b) Research Efforts.—The Secretary shall incorporate into ongoing research efforts of the Department questions on gambling disorder, as appropriate, including by restoring such questions into the Health Related Behaviors Survey of Active Duty Military Personnel and the Health Related Behaviors Survey of Reserve Component Personnel.

(c) Report.—Not later than two years after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report on efforts undertaken pursuant to subsections (a) and (b) and the findings of the assessments and surveys described in those sub-
sections with respect to the prevalence of gambling disorder
among members of the Armed Forces.

SEC. 728. COMPTROLLER GENERAL REVIEW OF DEFENSE
HEALTH AGENCY OVERSIGHT OF TRICARE
MANAGED CARE SUPPORT CONTRACTORS.

(a) REVIEW.—Not later than 180 days after the date
of the enactment of this Act, the Comptroller General of the
United States shall submit to the congressional defense com-
mittees a review of the oversight conducted by the Defense
Health Agency with respect to the transition of managed
care support contractors for the TRICARE program.

(b) MATTERS INCLUDED.—The review conducted
under subsection (a) shall include the following:

(1) The extent to which the Defense Health Agen-
cy provided guidance and oversight to the outgoing
and incoming managed care support contractors dur-
ing the transition period prior to the start of health
care delivery.

(2) The extent to which there were any issues
with health care delivery, and if so—

(A) the effect, if any, of the guidance and
oversight by the Defense Health Agency during
the transition period on those issues; and
(B) the solutions of the Defense Health Agency for remediating any deficiencies of managed care support contractors.

(3) The extent to which the Defense Health Agency has reviewed any lessons learned from prior transitions and incorporated those lessons into the current transition.

(c) ONGOING REQUIREMENT.—The Comptroller General shall review any transition of managed care support contractors for the TRICARE program occurring after the date of the review under subsection (a) and submit to the congressional defense committees a similar review for each such transition.

(d) TRICARE PROGRAM DEFINED.—In this section, the term “TRICARE program” has the meaning given that term in section 1072 of title 10, United States Code.

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

Subtitle A—Acquisition Policy and Management

SEC. 801. PERMANENT SUPPLY CHAIN RISK MANAGEMENT AUTHORITY.

(a) PERMANENT EXTENSION OF AUTHORITY.—
§2339a. Requirements for information relating to supply chain risk

“(a) AUTHORITY.—Subject to subsection (b), the head of a covered agency may—

“(1) carry out a covered procurement action; and

“(2) limit, notwithstanding any other provision of law, in whole or in part, the disclosure of information relating to the basis for carrying out a covered procurement action.

“(b) DETERMINATION AND NOTIFICATION.—The head of a covered agency may exercise the authority provided in subsection (a) only after—

“(1) obtaining a joint recommendation by the Under Secretary of Defense for Acquisition and Sustainment and the Chief Information Officer of the Department of Defense, on the basis of a risk assessment by the Under Secretary of Defense for Intelligence, that there is a significant supply chain risk to a covered system;

“(2) making a determination in writing, in unclassified or classified form, with the concurrence of
the Under Secretary of Defense for Acquisition and
Sustainment, that—

“(A) use of the authority in subsection
(a)(1) is necessary to protect national security
by reducing supply chain risk;

“(B) less intrusive measures are not reason-
ably available to reduce such supply chain risk;
and

“(C) in a case where the head of the covered
agency plans to limit disclosure of information
under subsection (a)(2), the risk to national se-
curity due to the disclosure of such information
outweighs the risk due to not disclosing such in-
formation; and

“(3) providing a classified or unclassified notice
of the determination made under paragraph (2) to the
appropriate congressional committees, which notice
shall include—

“(A) the information required by section
2304(f)(3) of this title;

“(B) the joint recommendation by the
Under Secretary of Defense for Acquisition and
Sustainment and the Chief Information Officer
of the Department of Defense as specified in
paragraph (1);
“(C) a summary of the risk assessment by
the Under Secretary of Defense for Intelligence
that serves as the basis for the joint recommenda-
tion specified in paragraph (1); and
“(D) a summary of the basis for the deter-
mination, including a discussion of less intrusive
measures that were considered and why they
were not reasonably available to reduce supply
chain risk.
“(c) DELEGATION.—The head of a covered agency may
not delegate the authority provided in subsection (a) or the
responsibility to make a determination under subsection (b)
to an official below the level of the service acquisition execu-
tive for the agency concerned.
“(d) LIMITATION ON DISCLOSURE.—If the head of a
covered agency has exercised the authority provided in sub-
section (a)(2) to limit disclosure of information—
“(1) no action undertaken by the agency head
under such authority shall be subject to review in a
bid protest before the Government Accountability Of-
ifice or in any Federal court; and
“(2) the agency head shall—
“(A) notify appropriate parties of a covered
procurement action and the basis for such action
only to the extent necessary to effectuate the covered procurement action;

“(B) notify other Department of Defense components or other Federal agencies responsible for procurements that may be subject to the same or similar supply chain risk, in a manner and to the extent consistent with the requirements of national security; and

“(C) ensure the confidentiality of any such notifications.

“(e) DEFINITIONS.—In this section:

“(1) HEAD OF A COVERED AGENCY.—The term ‘head of a covered agency’ means each of the following:

“(A) The Secretary of Defense.
“(B) The Secretary of the Army.
“(C) The Secretary of the Navy.
“(D) The Secretary of the Air Force.

“(2) COVERED PROCUREMENT ACTION.—The term ‘covered procurement action’ means any of the following actions, if the action takes place in the course of conducting a covered procurement:

“(A) The exclusion of a source that fails to meet qualification standards established in accordance with the requirements of section 2319 of
this title for the purpose of reducing supply
chain risk in the acquisition of covered systems.

“(B) The exclusion of a source that fails to
achieve an acceptable rating with regard to an
evaluation factor providing for the consideration
of supply chain risk in the evaluation of pro-
posals for the award of a contract or the issuance
of a task or delivery order.

“(C) The decision to withhold consent for a
contractor to subcontract with a particular
source or to direct a contractor for a covered sys-
tem to exclude a particular source from consider-
ation for a subcontract under the contract.

“(3) COVERED PROCUREMENT.—The term ‘cov-
ered procurement’ means—

“(A) a source selection for a covered system
or a covered item of supply involving either a
performance specification, as provided in section
2305(a)(1)(C)(ii) of this title, or an evaluation
factor, as provided in section 2305(a)(2)(A) of
this title, relating to supply chain risk;

“(B) the consideration of proposals for and
issuance of a task or delivery order for a covered
system or a covered item of supply, as provided
in section 2304c(d)(3) of this title, where the task
or delivery order contract concerned includes a contract clause establishing a requirement relating to supply chain risk; or

“(C) any contract action involving a contract for a covered system or a covered item of supply where such contract includes a clause establishing requirements relating to supply chain risk.

“(4) Supply chain risk.—The term ‘supply chain risk’ means the risk that an adversary may sabotage, maliciously introduce unwanted function, or otherwise subvert the design, integrity, manufacturing, production, distribution, installation, operation, or maintenance of a covered system so as to surveil, deny, disrupt, or otherwise degrade the function, use, or operation of such system.

“(5) Covered system.—The term ‘covered system’ means a national security system, as that term is defined in section 3542(b) of title 44.

“(6) Covered item of supply.—The term ‘covered item of supply’ means an item of information technology (as that term is defined in section 11101 of title 40) that is purchased for inclusion in a covered system, and the loss of integrity of which could result in a supply chain risk for a covered system.
“(7) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term ‘appropriate congressional committees’ means—

“(A) in the case of a covered system included in the National Intelligence Program or the Military Intelligence Program, the Select Committee on Intelligence of the Senate, the Permanent Select Committee on Intelligence of the House of Representatives, and the congressional defense committees; and

“(B) in the case of a covered system not otherwise included in subparagraph (A), the congressional defense committees.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2339 the following new item:

“2339a. Requirements for information relating to supply chain risk.”.

(b) REPEAL OF OBSOLETE AUTHORITY.—Section 806(g) of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2304 note) is hereby repealed.

SEC. 802. COMMERCIALLY AVAILABLE MARKET RESEARCH.

(a) IN GENERAL.—Subsection (e) of section 2431a of title 10, United States code, is amended by adding at the end the following new paragraph:
“(10) The term ‘market research’ includes—

“(A) government market research directly with prospective vendors, including—

“(i) contacting knowledgeable individuals in government and industry regarding market capabilities to meet requirements;

“(ii) reviewing the results of recent market research undertaken to meet similar or identical requirements;

“(iii) publishing formal requests for information in appropriate technical or scientific journals or business publications;

“(iv) querying the governmentwide database of contracts and other procurement instruments intended for use by multiple agencies;

“(v) participating in interactive, online communication among industry, acquisition personnel, and customers;

“(vi) obtaining source lists of similar items from other contracting activities or agencies, trade associations, or other sources;

“(vii) reviewing catalogs and other generally available product literature pub-
lished by manufacturers, distributors, and
dealers or available online;

“(viii) conducting interchange meet-
ings or holding presolicitation conferences
to involve potential offerors early in the ac-
quision process; and

“(ix) ensuring that any conflicts of in-
terest presented by vendors providing gov-
ernment capability statements are both dis-
closed and mitigated; and

“(B) commercially available third-party
market research.”.

(b) REVIEW.—Not later than 120 days after the date
of the enactment of this Act, the Under Secretary of Defense
for Acquisition and Sustainment, in consultation with the
Under Secretary of Defense for Research and Engineering,
shall review the guidance of the Department of Defense with
regard to those portions of the Federal Acquisition Regu-
lation regarding commercially available market research, in-
cluding sections 10.001(a)(2)(vi) and 10.002(b). The review
shall, at a minimum—

(1) assess the impact that conducting market re-
search has on the Department’s resources; and

(2) ensure that commercially available market
research is considered among other sources of research,
as appropriate, and reviewed prior to developing new
requirements documents for an acquisition by the De-
partment.

SEC. 803. COMPTROLLER GENERAL ASSESSMENT OF ACQUI-
SITION PROGRAMS AND RELATED INITIA-
TIVES.

(a) IN GENERAL.—Chapter 131 of title 10, United
States Code, is amended by adding at the end the following
new section:

“§2229b. Comptroller General assessment on acquisi-
tion programs and initiatives

“(a) ASSESSMENT REQUIRED.—The Comptroller Gen-
eral of the United States shall submit to the congressional
defense committees an annual assessment of selected acquisi-
tion programs and initiatives of the Department of Defense
by March 30th of each year, beginning in 2020.

“(b) ANALYSES TO BE INCLUDED.—The assessment re-
quired under subsection (a) shall include—

“(1) a macro analysis of how well acquisition
programs and initiatives are performing and reasons
for that performance;

“(2) a summary of organizational and legislative
changes and emerging assessment methodologies since
the last assessment, and a discussion of the implica-
tions for execution and oversight of programs and ini-
tiatives; and

“(3) specific analyses of individual acquisition
programs and initiatives.

“(c) ACQUISITION PROGRAMS AND INITIATIVES TO BE
CONSIDERED.—The assessment required under subsection
(a) shall consider the following programs and initiatives:

“(1) Selected weapon systems, as determined ap-
propriate by the Comptroller General.

“(2) Selected information technology systems and
initiatives, including defense business systems, net-
works, and software-intensive systems, as determined
appropriate by the Comptroller General.

“(3) Selected prototyping and rapid fielding ac-
tivities and initiatives, as determined appropriate by
the Comptroller General.”.

(b) CLERICAL AMENDMENT.—The table of sections at
the beginning of such chapter is amended by inserting after
the item relating to section 2229a the following new item:

“2229b. Comptroller General assessment on acquisition programs and related ini-
tiatives.”.

(c) REPEAL OF SUPERSEDED AUTHORITY.—Section
883(d) of the National Defense Authorization Act for Fiscal
Year 2016 (Public Law 114–92; 10 U.S.C. 2222 note) is
amended by striking paragraph (1).
Subtitle B—Amendments to General Contracting Authorities, Procedures, and Limitations

SEC. 811. DEPARTMENT OF DEFENSE CONTRACTING DISPUTE MATTERS.

(a) In General.—Not later than 180 days after the date of enactment of this Act, the Secretary of Defense shall carry out a study of the frequency and effects of bid protests involving the same contract award or proposed award that have been filed at both the Government Accountability Office and the United States Court of Federal Claims. The study shall cover Department of Defense contracts and include, at a minimum—

(1) the number of protests that have been filed with both tribunals and results;

(2) the number of such protests where the tribunals differed in denying or sustaining the action;

(3) the length of time, in average time and median time—

(A) from initial filing at the Government Accountability Office to decision in the United States Court of Federal Claims;

(B) from filing with each tribunal to decision by such tribunal;
(C) from the time at which the basis of the protest is known to the time of filing in each tribunal; and

(D) in the case of an appeal from a decision of the United States Court of Federal Claims, from the date of the initial filing of the appeal to decision in the appeal;

(4) the number of protests where performance was stayed or enjoined and for how long;

(5) if performance was stayed or enjoined, whether the requirement was obtained in the interim through another vehicle or in-house, or whether during the period of the stay or enjoining the requirement went unfulfilled;

(6) separately for each tribunal, the number of protests where performance was stayed or enjoined and monetary damages were awarded, which shall include for how long performance was stayed or enjoined and the amount of monetary damages;

(7) whether the protestor was a large or small business; and

(8) whether the protestor was the incumbent in a prior contract for the same or similar product or service.
(b) REPORT.—Not later than 180 days after the date of enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees, the Committee on the Judiciary of the Senate, and the Committee on the Judiciary of the House of Representatives a report on the results of the study, along with related recommendations for improving the expediency of the bid protest process. In preparing the report, the Secretary shall consult with the Attorney General of the United States, the Comptroller General of the United States, and the United States Court of Federal Claims.

(c) ONGOING DATA COLLECTION.—Not later than 270 days after the date of enactment of this Act, the Secretary of Defense shall establish and continuously maintain a data repository to collect on an ongoing basis the information described in subsection (a) and any additional relevant bid protest data the Secretary determines necessary and appropriate to allow the Department of Defense, the Government Accountability Office, and the United States Court of Federal Claims to assess and review bid protests over time.

(d) ESTABLISHMENT OF EXPEDITED PROCESS FOR SMALL VALUE CONTRACTS.—

(1) IN GENERAL.—Not later than December 1, 2019, the Secretary of Defense shall develop a plan and schedule for an expedited bid protest process for
Department of Defense contracts with a value of less than $100,000.

(2) CONSULTATION.—In carrying out paragraph (1), the Secretary of Defense may consult with the Government Accountability Office and the United States Court of Federal Claims to the extent such entities may establish a similar process at their election.

(3) REPORT.—Not later than May 1, 2019, the Secretary of Defense shall submit to the congressional defense committees a report on the plan and schedule for implementation of the expedited bid protest process, which shall include a request for any additional authorities the Secretary determines appropriate for such efforts.

SEC. 812. CONTINUATION OF TECHNICAL DATA RIGHTS DURING CHALLENGES.

(a) EXERCISE OF RIGHTS IN TECHNICAL DATA BEFORE FINAL DISPOSITION OF A CHALLENGE.—Section 2321(i) of title 10, United States Code, is amended—

(1) in the subsection heading, by inserting “PRIOR TO AND” after “RIGHTS AND LIABILITY”;

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

(3) by inserting before paragraph (3), as so redesignated, the following new paragraphs:
“(1) Upon issuance of a challenge to a use or release restriction asserted by a contractor or subcontractor under the contract made pursuant to subsection (d) or made under procedures established by the Department of Defense for challenges to asserted use or release restrictions in connection with noncommercial computer software, and until final disposition of such a challenge, the Department of Defense may exercise rights in the technical data or non-commercial computer software rights consistent with the grounds identified in the challenge pursuant to subsection (d)(3), (or the grounds identified under corresponding Department of Defense procedures in the case of noncommercial computer software) in order to meet Department of Defense mission requirements.

“(2) In the event that the challenge made by the government is not sustained upon final disposition, the contractor or subcontractor shall have only a right to damages against the United States if the United States was found to have not acted in good faith and as otherwise provided by law arising from the exercise of rights described in paragraph (1) during the time period described in such paragraph.”.

(b) Revision of the Defense Federal Acquisition Regulation Supplement.—Not later than 180 days after the date of the enactment of this Act, the Secretary
of Defense shall revise the Defense Federal Acquisition Regulation Supplement, by interim or final rule, to implement the amendments made by subsection (a).

(c) EFFECTIVE DATE.—The amendments made by subsection (a) and the revision required by subsection (b) shall become effective on the date of publication of the interim or final rule (whichever is earlier) required by subsection (b) and shall apply to solicitations issued by Department of Defense contracting activities after that date unless the senior procurement executive of the agency concerned grants a waiver on a case-by-case basis.

(d) GUIDANCE ON TECHNICAL DATA RIGHT NEGOTIATION.—The Secretary of Defense shall develop policies on the negotiation of technical data rights for noncommercial software that reflects the Department of Defense’s needs for technical data rights in the event of a protest or replacement of incumbent contractor to meet defense requirements in the most cost effective manner.

SEC. 813. INCREASED MICRO-PURCHASE THRESHOLD.

(a) IN GENERAL.—Section 2338 of title 10, United States Code, is amended by striking “Notwithstanding subsection (a) of section 1902 of title 41, the micro-purchase threshold for the Department of Defense for purposes of such section is $5,000” and inserting “The micro-purchase threshold for the Department of Defense is $10,000”.

† HR 5515 PAP
(b) CONFORMING AMENDMENT.—Section 1902(a)(1) of title 41, United States Code, is amended by striking “sections 2338 and 2339 of title 10 and”.

(c) REPEAL OF OBSOLETE AUTHORITY.—

(1) IN GENERAL.—Section 2339 of title 10, United States Code, is repealed.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 137 of title 10, United States Code, is amended by striking the item relating to section 2339.

SEC. 814. MODIFICATION OF LIMITATIONS ON SINGLE SOURCE TASK OR DELIVERY ORDER CONTRACTS.

Section 2304a(d)(3)(A) of title 10, United States Code, is amended by striking “reasonably perform the work” and inserting “efficiently perform the work”.

SEC. 815. PRELIMINARY COST ANALYSIS REQUIREMENT FOR EXERCISE OF MULTIYEAR CONTRACT AUTHORITY.

Section 2306b(i)(2)(B) of title 10, United States Code, is amended—

(1) by striking “made after the completion of a cost analysis” and inserting “supported by a preliminary cost analysis”; and
by striking “for the purpose of section 2334(e)(1) of this title, and that the analysis supports those preliminary findings”.

SEC. 816. INCLUSION OF BEST AVAILABLE INFORMATION REGARDING PAST PERFORMANCE OF SUBCONTRACTORS AND JOINT VENTURE PARTNERS.

(a) REQUIREMENTS FOR PERFORMANCE OF SUBCONTRACTORS AND JOINT VENTURE PARTNERS.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Federal Acquisition Regulatory Council and the Administrator for Federal Procurement Policy, shall develop policies for the Department of Defense to ensure the best information regarding past performance of certain subcontractors and joint venture partners is available when awarding Department of Defense contracts. The policies shall include proposed revisions to the Defense Federal Acquisition Regulation Supplement as follows:

(1) Required performance evaluations, as part of a government-wide evaluation reporting tool, for first-tier subcontractors performing a portion of the contract valued at not less than 20 percent of the value of the prime contract, provided—
(A) the information included in rating the subcontractor is not inconsistent with the information included in the rating for the prime contractor;

(B) the subcontractor evaluation is conducted consistent with the provisions of section 42.15 of the Federal Acquisition Regulation;

(C) negative evaluations of a subcontractor in no way obviate the prime contractor’s responsibility for successful completion of the contract and management of its subcontractors; and

(D) that in the judgment of the contracting officer, the overall execution of the work is impacted by the performance of the subcontractor or subcontractors.

(2) Required performance evaluations, as part of a government-wide evaluation reporting tool, of individual partners of joint venture-awarded, to ensure that past performance on joint venture projects is considered in future awards to individual joint venture partners, provided—

(A) at a minimum, the rating for joint ventures includes an identification that allows the evaluation to be retrieved for each partner of the joint venture;
(B) each partner, through the joint venture, is given the same opportunity to submit comments, rebutting statements, or additional information, consistent with the provisions of section 42.15 of the Federal Acquisition Regulation; and

(C) the rating clearly identifies the responsibilities of joint venture partners for discrete elements of the work where the partners are not jointly and severally responsible for the project.

(3) Processes to request exceptions from the annual evaluation requirement under section 42.1502(a) of the Federal Acquisition Regulation where submission of the annual evaluations would not provide the best representation of the performance of a contractor, including subcontractors and joint venture partners, including—

(A) where no severable element of the work has been completed;

(B) where the contracting officer determines that—

(i) an insubstantial portion of the contract work has been completed in the preceding year; and

(ii) the lack of performance is at non-fault to the contractor; or
(C) where the contracting officer determines that there is an issue in dispute which, until resolved, would likely cause the annual rating to inaccurately reflect the past performance of the contractor.

(b) REPORT ON CONTRACTOR PERFORMANCE APPEALS.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the defense committees a report on contractor and subcontractor past performance evaluations and appeals, including—

(1) data on the number of performance evaluation appeals filed by contractors and subcontractors within the previous five years;

(2) the frequency that an appeal was successful and the performance evaluation was changed favorably for the contractor;

(3) the time it takes for an appeal to make its way through the process from filing to adjudication; and

(4) what impact the appeals process has on the tracking of information in the performance database system and consideration of contractor and subcontractor performance on future contracts.
(c) **Agency Progress on Performance Evaluations.**—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall develop a scorecard that compares the timeliness, completeness, and accuracy of contractor performance evaluations among the Department’s components. This scorecard shall be reported annually to Congress and made publicly available not later than December 31 for the prior fiscal year until 2024.

(d) **Congressional Access to Performance Data.**—

(1) **In General.**—At the written request of a Chairman or Ranking Member of one of the appropriate congressional committees, the Secretary of Defense shall make all contractor performance evaluations available through electronic access to data systems or in another manner specified by the request for designated staff members of the appropriate congressional committees.

(2) **Appropriate Congressional Committees.**—In this subsection, the term “appropriate congressional committees” means—

(A) the congressional defense committees;

(B) the Committee on Homeland Security and Governmental Affairs of the Senate; and
(C) the Committee on Oversight and Government Reform of the House of Representatives.

SEC. 817. MODIFICATION OF CRITERIA FOR WAIVERS OF REQUIREMENT FOR CERTIFIED COST AND PRICE DATA.

Section 817(b)(2) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107–314; 10 U.S.C. 2306a note) is amended by striking “; and” and inserting “; or”.

SEC. 818. SUBCONTRACTING PRICE AND APPROVED PURCHASING SYSTEMS.


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

“(5) The term ‘approved purchasing system’ has the meaning given the term in section 44.101 of the Federal Acquisition Regulation (or any similar regulation).”; and

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

“(i) CONSENT TO SUBCONTRACT.—If the contractor on a Department of Defense contract requiring a contracting officer’s written consent prior to the contractor entering...
into a subcontract has an approved purchasing system, the contracting officer may not withhold such consent without the written approval of the program manager.”.

(b) CONFORMING REGULATIONS.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall revise the Defense Federal Acquisition Regulation Supplement to conform with the amendments to section 893 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2302 note) made by this section.

SEC. 819. COMPTROLLER GENERAL OF THE UNITED STATES REPORT ON PROGRESS PAYMENT FINANCING OF DEPARTMENT OF DEFENSE CONTRACTS.

(a) REPORT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the congressional defense committees a report on the results of an analysis, conducted by the Comptroller General, of the effects of current financing levels of Department of Defense contracts on contractors of the Department and the budgets of the Department.

(b) ELEMENTS.—

(1) IN GENERAL.—The report required by subsection (a) shall include an analysis and assessment
of the impact of the matters specified in paragraph (2), for both government and business, on—

(A) the relationship between financing amounts and contractor profit; and

(B) the willingness of contractors to pursue contracts with the Department.

(2) COVERED MATTERS.—The matters specified in this paragraph are each of the following under Department contracts:

(A) Past changes to progress payment rates and conditions.

(B) Progress payment rates and limitations on progressing for undefinitized contract actions.

SEC. 820. AUTHORIZATION TO LIMIT FOREIGN ACCESS TO TECHNOLOGY THROUGH CONTRACTS.

The Under Secretary of Defense for Research and Engineering, or a designee of the Under Secretary, may include in the terms of any contract that the Under Secretary enters into a provision that—

(1) limits access by select persons or organizations to technology that is the subject of the contract under terms defined by the Under Secretary, including by limiting such access to specific periods of time; and
(2) if the person or organization violates the requirement described in paragraph (1), the Under Secretary may require the person or organization to forfeit intellectual property rights associated with the contract.

SEC. 821. BRIEFING REQUIREMENT ON SERVICES CONTRACTS.

Not later than 180 days after the date of the enactment of this Act, and every 180 days thereafter until the requirements of section 2329(b) of title 10, United States Code, are met, the Under Secretary of Defense for Acquisition and Sustainment shall brief the congressional defense committees on the progress of Department of Defense efforts to meet the requirements of such section, including relevant information on the methodology and implementation plans for future compliance.

SEC. 822. SENSE OF CONGRESS ON AWARDING OF CONTRACTS TO RESPONSIBLE COMPANIES THAT PRIMARILY EMPLOY AMERICAN WORKERS AND DO NOT ACTIVELY TRANSFER AMERICAN JOBS TO POTENTIAL ADVERSARIES.

It is the sense of Congress that the Department of Defense should award contracts to responsible companies that primarily employ United States workers or are partners
in the national technology and industrial base and do not actively transfer United States jobs to potential adversaries.

Subtitle C—Provisions Relating to Major Defense Acquisition Programs

SEC. 831. PROGRAM COST, FIELDING, AND PERFORMANCE GOALS IN PLANNING MAJOR ACQUISITION PROGRAMS.

Section 2448a of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) by striking “Secretary of Defense” and inserting “designated milestone decision authority for the major defense acquisition program”; and

(B) by striking “the milestone decision authority for the major defense acquisition program approves a program that” and inserting “the program”; and

(2) by striking subsection (b).
SEC. 832. IMPLEMENTATION OF RECOMMENDATIONS OF THE INDEPENDENT STUDY ON CONSIDERATION OF SUSTAINMENT IN WEAPONS SYSTEMS LIFE CYCLE.

(a) IMPLEMENTATION REQUIRED.—Not later than 18 months after the date of the enactment of this Act, the Secretary of Defense shall, except as provided under subsection (b), commence implementation of each recommendation submitted as part of the independent assessment produced under section 844 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2290).

(b) EXCEPTIONS.—

(1) DELAYED IMPLEMENTATION.—The Secretary of Defense may commence implementation of a recommendation described under subsection (a) later than the date required under such subsection if the Secretary provides the congressional defense committees with a specific justification for the delay in implementation of such recommendation.

(2) NONIMPLEMENTATION.—The Secretary of Defense may opt not to implement a recommendation described under subsection (a) if the Secretary provides to the congressional defense committees—

(A) the reasons for the decision not to implement the recommendation; and
(B) a summary of the alternative actions
the Secretary plans to take to address the pur-
poses underlying the recommendation.

(c) IMPLEMENTATION PLANS.—For each recommenda-
tion that the Secretary is implementing, or that the Sec-
etary plans to implement, the Secretary shall submit to
the congressional defense committees—

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

(2) a schedule, with specific milestones, for com-
pleting the implementation of the recommendation.

SEC. 833. PILOT PROGRAM TO ACCELERATE MAJOR WEAP-
ONS SYSTEM PROGRAMS.

(a) IN GENERAL.—The Secretary of Defense shall es-
tablish a pilot program to reform and accelerate the con-
tracting and pricing processes associated with contracts in
excess of $50,000,000 by—

(1) basing price reasonableness determinations
on actual cost and pricing data for purchases of the
same or similar products for the Department of De-
fense; and

(2) reducing the cost and pricing data to be sub-
mitted in accordance with section 2306a of title 10,
United States Code.
(b) **SUNSET.**—The authority to carry out the pilot program under this section shall expire on January 2, 2021.

**Subtitle D—Provisions Relating to Acquisition Workforce**

**SEC. 841. PERMANENT AUTHORITY FOR DEMONSTRATION PROJECTS RELATING TO ACQUISITION PERSONNEL MANAGEMENT POLICIES AND PROCEDURES.**

(a) **PERMANENT AUTHORITY.**—Section 1762 of title 10, United States Code, is amended by striking subsections (g) and (h).

(b) **SCOPE OF AUTHORITY.**—Subsection (a) of such section is amended by striking “COMMENCEMENT.—” and all that follows through “a demonstration project,” and inserting “IN GENERAL.—The Secretary of Defense may carry out demonstration projects”.

**SEC. 842. ESTABLISHMENT OF INTEGRATED REVIEW TEAM ON DEFENSE ACQUISITION INDUSTRY-GOVERNMENT EXCHANGE.**

(a) **STUDY.**—

(1) **IN GENERAL.**—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall direct the Defense Business Board to convene an integrated review team (in this section referred to as the “exchange team”) to undertake a
study on facilitating the exchange of defense industry personnel on term assignments within the Department of Defense.

(2) MEMBER PARTICIPATION.—

(A) DEFENSE BUSINESS BOARD.—The Chairman of the Defense Business Board shall select six members from the membership of the Board to participate on the exchange team, including one member to lead the team.

(B) DEFENSE INNOVATION BOARD.—The Chairman of the Defense Innovation Board shall select five appropriate members from the membership of their Board to participate on the exchange team.

(C) DEFENSE SCIENCE BOARD.—The Chairman of the Defense Science Board shall select five appropriate members from the membership of their Board to participate on the exchange team.

(D) REQUIRED EXPERIENCE.—The Chairmen referred to in subparagraphs (a) through (C) shall ensure that members have significant legislative or regulatory expertise and reflect diverse experiences in the public and private sector.
(3) **Scope.**—The study conducted pursuant to paragraph (1) shall—

(A) review legal, ethical, and financial disclosure requirements for industry-government exchanges;

(B) review existing or previous industry-government exchange programs such as the Department of State’s Franklin Fellows Program and the Information Technology Exchange Program;

(C) review how the military departments address legal, ethical, and financial requirements for members of the reserve components who also maintain civilian employment in the defense industry;

(D) produce specific and detailed recommendations for any legislation, including the amendment or repeal of regulations, as well as non-legislative approaches, that the members of the exchange team conducting the study determine necessary to—

(i) reduce barriers to industry-government exchange to encourage the flow of acquisition best practices;
(ii) ensure continuing financial and ethical integrity; and

(iii) protect the best interests of the Department of Defense; and

(E) produce such additional recommendations for legislation as the members consider appropriate.

(4) ACCESS TO INFORMATION.—The Secretary of Defense shall provide the exchange team with timely access to appropriate information, data, resources, and analysis so that the exchange team may conduct a thorough and independent analysis as required under this subsection.

(b) BRIEFING.—Not later than December 31, 2018, the exchange team shall provide an interim briefing to the congressional defense committees on the study conducted under subsection (a)

(c) FINAL REPORT.—Not later than March 1, 2019, the exchange team shall submit a final report on the study to the Under Secretary of Defense for Acquisition and Sustainment and the congressional defense committees.

SEC. 843. EXCHANGE PROGRAM FOR ACQUISITION WORKFORCE EMPLOYEES.

(a) PROGRAM AUTHORIZED.—The Secretary of Defense shall establish an exchange program under which the
Under Secretary of Defense for Acquisition and Sustainment shall arrange for the temporary assignment of civilian personnel in the Department of Defense acquisition workforce.

(b) PURPOSES.—The purposes of the exchange program established pursuant to subsection (a) are—

(1) to familiarize personnel from the acquisition workforce with the equities, priorities, processes, culture, and workforce of the acquisition-related defense agencies;

(2) to enable participants in the exchange program to return the expertise gained through their exchanges to their original organizations; and

(3) to improve communication between and integration of the organizations that support the policy, implementation, and oversight of defense acquisition through lasting relationships.

(c) PARTICIPANTS.—

(1) NUMBER OF PARTICIPANTS.—The Under Secretary shall select not less than 10 and no more than 20 participants per year for participation in the exchange program established under subsection (a).

(2) CRITERIA FOR SELECTION.—The Under Secretary shall select participants for the exchange pro-
gram established under subsection (a) from among mid-career employees and based on—

(A) the qualifications and desire to participate in the program of the employee; and

(B) the technical needs and capacities of the acquisition workforce, as applicable.

(d) TERMS.—Exchanges pursuant to the exchange program established under subsection (a) shall be for terms of one to two years, as determined and negotiated by the Under Secretary. The terms may begin and end on a rolling basis.

(e) GUIDANCE AND IMPLEMENTATION.—

(1) GUIDANCE.—Not later than 90 days after the date of the enactment of this Act, the Under Secretary shall develop and submit to the congressional defense committees interim guidance on the form and contours of the exchange program established under subsection (a).

(2) IMPLEMENTATION.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary shall implement the guidance developed under paragraph (1).
Subtitle E—Provisions Relating to Commercial Items

SEC. 851. REPORT ON COMMERCIAL ITEM PROCUREMENT REFORM.

(a) REPORT REQUIRED.—Not later than March 1, 2020, the Assistant Secretary of Defense for Acquisition, in consultation with members of the Defense Business Board as appropriate, shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on reforms for commercial item procurement.

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

(1) A review of recommendations by the independent panel created under section 809 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 112 Public Law 889) pertaining to commercial items.

(3) An analysis of the extent to which the Department of Defense should treat commercial service contracts and commercial products in a similar manner.

(4) Such other matters with respect to commercial item procurement as the Assistant Secretary considers appropriate.

Subtitle F—Industrial Base Matters

SEC. 861. NATIONAL TECHNOLOGY AND INDUSTRIAL BASE APPLICATION PROCESS.

(a) In General.—Subchapter II of chapter 148 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 2509. National technology and industrial base application process

“(a) In General.—The Secretary of Defense shall administer a national technology and industrial base application process.

“(b) Elements.—The application process required under subsection (a) shall include the following elements:

“(1) The Secretary shall designate an official within the Office of the Secretary of Defense responsible for administration of the national technology and industrial base application process and associated policy.
“(2) A person or organization that meets the definition of national technology and industrial base under section 2500(1) of this title shall have the opportunity to apply for an item to be covered under the national technology and industrial base. The application shall include, at a minimum, the following information:

“(A) Information demonstrating the applicant meets such definition.

“(B) The section or sections of this chapter, related to the national technology and industrial base, that the applicant seeks to modify.

“(C) The applicant’s proposed modifications to the section or sections identified under subparagraph (B).

“(D) For each item the applicant seeks to include in the national technology and industrial base, the applicant shall include the following information:

“(i) The extent to which such item has commercial applications.

“(ii) The number of such items to be procured by current programs of record.

“(iii) The criticality of such item to a military unit’s mission accomplishment.
“(iv) The estimated cost and other considerations of reconstituting the manufacturing capability of such item, if not maintained in the national technology and industrial base.

“(v) National security regulations or restrictions imposed on such item that may not be imposed on a non-national technology and industrial base competitor.

“(vi) Non-national security-related Federal, State, and local government regulations imposed on such item that may not be imposed on a non-national technology and industrial base competitor.

“(vii) The extent to which such item is fielded in current programs of record.

“(viii) The extent to which cost and pricing data for such item has been deemed fair and reasonable.

“(c) CONSIDERATION OF APPLICATIONS.—

“(1) RESPONSIBILITY OF DESIGNATED OFFICIAL.—The official designated pursuant to subsection (b)(1) shall be responsible for providing complete applications submitted pursuant to this subsection to the appropriate component acquisition executive for con-

† HR 5515 PAP
sideration not later than 15 days after receipt of such application.

“(2) Review.—Not later than 60 days after receiving a complete application, the component acquisition executive shall review such application, make a determination, and return the application to the official designated pursuant to subsection (b)(1).

“(3) Elements of Determination.—The determination required under paragraph (2) shall—

“(A) recommend the modification to this chapter proposed pursuant to subsection (b)(2)(C);

“(B) recommend the modification to this chapter proposed pursuant to subsection (b)(2)(C) with further modifications; or

“(C) not recommend the modification to this chapter proposed pursuant to subsection (b)(2)(C).

“(4) Justification.—The determination required under paragraph (2) shall also include the rationale and justification for the determination.

“(d) Recommendations for Legislation.—For applications recommended under subsection (c), the official designated pursuant to subsection (b)(1) shall be responsible
for preparing a legislative proposal for consideration by the
Secretary.”.

(b) CLERICAL AMENDMENT.—The table of sections at
the beginning of such subchapter is amended by adding at
the end the following new item:

“2509. National technology and industrial base application process.”.

(c) EFFECTIVE DATE.—Section 2509 of title 10,
United States Code, as added by subsection (a), shall take
effect 60 days after the date of the enactment of this Act.

SEC. 862. REPORT ON DEFENSE ELECTRONICS INDUSTRIAL
BASE.

(a) IN GENERAL.—Not later than January 31, 2019,
the Secretary of Defense, in consultation with the Executive
Agent for Printed Circuit Board and Interconnect Tech-
ology and the Director of the Office of Management and
Budget, shall submit to Congress a report examining the
health of the defense electronics industrial base, including
analog and passive electronic parts, substrates, printed
boards, assemblies, connectors, cabling, and related areas,
both domestically and within the national technology and
industrial base.

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

(1) An examination of current and planned
partnerships with the commercial industry.
(2) Analysis of the current and future defense electronics industrial base.

(3) Threat assessment related to system security.

(4) An assessment of the health of the engineering and production workforce.

(5) A description of the electronics supply chain requirements of defense systems integral to meeting the goals of the 2018 National Defense Strategy.

(6) Recommended actions to address areas deemed deficient or vulnerable, and a plan to formalize long-term resourcing for the Executive Agent.

(7) Any other areas matters determined relevant by the Secretary.

SEC. 863. SUPPORT FOR DEFENSE MANUFACTURING COMMUNITIES TO SUPPORT THE DEFENSE INDUSTRIAL BASE.

(a) PROGRAM AUTHORIZED.—

(1) IN GENERAL.—The Secretary of Defense may, in coordination with the Secretary of Commerce and working in coordination with the defense manufacturing institutes, establish within the Department of Defense a program to make long-term investments in critical skills, infrastructure, research and development, and small business support in order to strengthen the national security innovation base by
designating and supporting consortiums as defense manufacturing communities.

(2) DESIGNATION.—The program authorized by this section shall be known as the “Defense Manufacturing Community Support Program” (in this section referred to as the “Program”).

(b) DESIGNATION OF DEFENSE MANUFACTURING COMMUNITIES COMPLEMENTARY TO DEFENSE MANUFACTURING INSTITUTES.—

(1) IN GENERAL.—The Secretary of Defense may designate eligible consortiums as defense manufacturing communities through a competitive process, and in coordination with the defense manufacturing institutes.

(2) ELIGIBLE CONSORTIUMS.—The Secretary may establish eligibility criteria for a consortium to participate in the Program. In developing such criteria, the Secretary may consider the merits of—

(A) including members from academia, defense industry, commercial industry, and State and local government organizations;

(B) supporting efforts in geographical regions that have capabilities in key technologies or industrial base supply chains that are determined critical to national security;
(C) optimal consortium composition and size to promote effectiveness, collaboration, and efficiency; and

(D) complementarity with defense manufacturing institutes.

(3) DURATION.—Each designation under paragraph (1) shall be for a period designated by the Secretary.

(4) RENEWAL.—

(A) IN GENERAL.—The Secretary may renew a designation made under paragraph (1) for up to two additional two-year periods. Any designation as a defense manufacturing community or renewal of such designation that is in effect before the date of the enactment of this Act shall count toward the limit set forth in this subparagraph.

(B) EVALUATION FOR RENEWAL.—The Secretary shall establish criteria for the renewal of a consortium. In establishing such criteria, the Secretary may consider—

(i) the performance of the consortium in meeting the established goals of the Program;
(ii) the progress the consortium has made with respect to project-specific metrics, particularly with respect to those metrics that were designed to help communities track their own progress;

(iii) whether any changes to the composition of the eligible consortium or revisions of the plan for the consortium would improve the capabilities of the defense industrial base;

(iv) the effectiveness of coordination with defense manufacturing institutes; and

(v) such other criteria as the Secretary considers appropriate.

(5) APPLICATION FOR DESIGNATION.—An eligible consortium seeking a designation under paragraph (1) shall submit an application to the Secretary at such time and in such manner as the Secretary may require. In developing such procedures, the Secretary may consider the inclusion of—

(A) a description of the regional boundaries of the consortium, and the defense manufacturing capacity of the region;
(B) an evidence-based plan for enhancing the defense industrial base through the efforts of the consortium;

(C) the investments the consortium proposes and the strategy of the consortium to address gaps in the defense industrial base;

(D) a description of the outcome-based metrics, benchmarks, and milestones that will track and the evaluation methods that will be used to gauge performance of the consortium;

(E) how the initiatives will complement defense manufacturing institutes; and

(F) such other matters as the Secretary considers appropriate.

(c) **FINANCIAL AND TECHNICAL ASSISTANCE.**—

(1) **IN GENERAL.**—Under the Program, the Secretary of Defense may award financial or technical assistance to a member of a consortium designated as a defense manufacturing community under the Program as appropriate for purposes of the Program.

(2) **USE OF FUNDS.**—A recipient of financial or technical assistance under the Program may use such financial or technical assistance to support an investment that will improve the defense industrial base.
(3) Investments supported.—Investments supported under this subsection may include activities not already provided for by defense manufacturing institutes on—

(A) infrastructure;

(B) access to capital;

(C) promotion of exports and foreign direct investment;

(D) equipment or facility upgrades;

(E) workforce training, retraining, or recruitment and retention, including that of women and underrepresented minorities;

(F) energy or process efficiency;

(G) business incubators;

(H) site preparation;

(I) advanced research and commercialization, including with Federal laboratories and depots;

(J) supply chain development; and

(K) small business assistance.

(d) Receipt of transferred funds.—The Secretary of Defense may accept amounts transferred to the Secretary from the head of another agency or a State or local governmental organization to carry out this section.
Subtitle G—Other Transactions

SEC. 871. CHANGE TO NOTIFICATION REQUIREMENT FOR OTHER TRANSACTIONS.

Section 2371b(f)(1) of title 10, United States Code, is amended by inserting after the first sentence the following: “The cost of any such option shall be considered for purposes of subsection (a)(2) as part of the cost to the Department of Defense of a transaction (for a prototype).”.

SEC. 872. DATA AND POLICY ON THE USE OF OTHER TRANSACTIONS.

(a) COLLECTION AND STORAGE.—The Service Acquisition Executives of the military departments shall collect data on the use of other transactions by their respective departments, and the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Acquisition and Sustainment shall collect data on all other use by the Department of Defense of other transactions, including use by the Defense Agencies. The data shall be stored in a manner that allows the Assistant Secretary of Defense for Acquisition access at any time.

(b) USE OF DATA.—The Assistant Secretary of Defense for Acquisition shall analyze and leverage the data collected under subsection (a) to update policy and guidance related to the use of other transactions.
Subtitle H—Development and Acquisition of Software Intensive and Digital Products and Services

SEC. 881. CLARIFICATIONS REGARDING PROPRIETARY AND TECHNICAL DATA.

(a) Validation of Proprietary Data Restrictions.—Section 2321(f) of title 10, United States Code, is amended—

(1) by striking “(1) Except as provided in paragraph (2), in” and inserting “In”; and

(2) by striking paragraph (2).

(b) Rights in Technical Data.—Section 2320 of title 10, United States Code, is amended—

(1) by striking subsection (f); and

(2) by redesignating subsections (g) and (h) as subsections (f) and (g), respectively.

SEC. 882. IMPLEMENTATION OF RECOMMENDATIONS OF THE FINAL REPORT OF THE DEFENSE SCIENCE BOARD TASK FORCE ON THE DESIGN AND ACQUISITION OF SOFTWARE FOR DEFENSE SYSTEMS.

(a) Implementation Required.—Not later than 18 months after the date of the enactment of this Act, the Secretary of Defense shall, except as provided under subsection...
(b), commence implementation of each recommendation submitted as part of the final report of the Defense Science Board Task Force on the Design and Acquisition of Software for Defense Systems.

(b) EXCEPTIONS.—

(1) DELAYED IMPLEMENTATION.—The Secretary of Defense may commence implementation of a recommendation described under subsection (a) later than the date required under such subsection if the Secretary provides the congressional defense committees with a specific justification for the delay in implementation of such recommendation.

(2) NONIMPLEMENTATION.—The Secretary of Defense may opt not to implement a recommendation described under subsection (a) if the Secretary provides to the congressional defense committees—

(A) the reasons for the decision not to implement the recommendation; and

(B) a summary of the alternative actions the Secretary plans to take to address the purposes underlying the recommendation.

(c) IMPLEMENTATION PLANS.—For each recommendation that the Secretary is implementing, or that the Secretary plans to implement, the Secretary shall submit to the congressional defense committees—
(1) a summary of actions that have been taken
to implement the recommendation; and
(2) a schedule, with specific milestones, for com-
pleting the implementation of the recommendation.

SEC. 883. IMPLEMENTATION OF PILOT PROGRAM TO USE
AGILE OR ITERATIVE DEVELOPMENT METH-
ODS REQUIRED UNDER SECTION 873 OF THE
NATIONAL DEFENSE AUTHORIZATION ACT
FOR FISCAL YEAR 2018.

(a) In general.—Not later than 30 days after the
date of the enactment of this Act, the Secretary of Defense
shall include the following systems for realignment under
the pilot program to use agile or iterative development
methods pursuant to section 873 of the National Defense
Authorization Act for Fiscal Year 2018 (Public Law 115–
91):

(1) Global Positioning System Next Generation
Operational Control System (GPS OCX).

(2) Integrated Air and Missile Defense Battle
Command System (IBCS).

(3) Command Control Battle Management and
Communications (C2BMC).

(4) The family of Distributed Common Ground
Systems.


(7) Joint Strike Fighter Autonomic Logistics Information System (ALIS).

(8) Electronic Procurement System (ePS).


(10) Navy Personnel and Pay (NP2).


(12) Maintenance, Repair, and Overhaul (MROI).

(13) Defense Enterprise Accounting Management System (DEAMS).

(14) Army Contract Writing System.

(15) Contracting IT System.


(b) REVISIONS TO LIST.—The Secretary of Defense shall notify the congressional defense committees of any revisions to the list of systems included for realignment under subsection (a).
SEC. 884. ENABLING AND OTHER ACTIVITIES OF THE CLOUD EXECUTIVE STEERING GROUP.

(a) Activities Required.—Commencing not later than 90 days after the date of the enactment of this Act, the Cloud Executive Steering Group (CESG) established by the Deputy Secretary of Defense in a directive memorandum dated September 13, 2017, in order to support its Joint Enterprise Defense Infrastructure (JEDI) initiative to procure commercial cloud services, shall conduct certain key enabling activities as follows:

(1) Advanced Commercial Network Capabilities.—Develop an approach to rapidly acquire advanced commercial network capabilities, including software-defined networking, on-demand bandwidth, and aggregated cloud access gateways, through commercial service providers in order—

(A) to support the migration of applications and systems to commercial cloud platforms;

(B) to increase visibility of end-to-end performance to enable and enforce service level agreements for cloud services;

(C) to ensure efficient and common cloud access;

(D) to facilitate shifting data and applications from one cloud platform to another;

(E) to improve cybersecurity; and
(F) to consolidate networks and achieve efficiencies and improved performance;

(2) WORKLOAD AND MIGRATION ANALYSIS.—Conduct an analysis of existing workloads that would be migrated to the Joint Enterprise Defense Infrastructure, including—

(A) identifying all of the cloud initiatives across the Department of Defense, and determining the objectives of such initiatives in connection with the intended scope of the Infrastructure;

(B) identifying all the systems and applications that the Department would intend to migrate to the Infrastructure;

(C) conducting rationalization of applications to identify applications and systems that may duplicate the processing of workloads in connection with the Infrastructure; and

(D) as result of such actions, arriving at dispositions about migration or termination of systems and applications in connection with the Infrastructure.

(b) LIMITATION ON NEW SYSTEMS AND APPLICATIONS.—The Deputy Secretary shall require that no new system or application will be approved for development or
modernization without an assessment that such system or application is already, or can and would be, cloud-hosted.

(c) INTEGRATION AND SUPPORT.—The Deputy Secretary shall ensure that the activities conducted under subsection (a) are integrated with and support the plan of the Department to acquire and migrate to commercial cloud services.

(d) TRANSPARENCY AND COMPETITION.—The Deputy Secretary shall ensure that the acquisition approach of the Department continues to follow the Federal Acquisition Regulation, including part 16.504(c) of such regulation, regarding procedures relating to the preference for multiple awards.

Subtitle I—Other Matters

SEC. 891. PROHIBITION ON CERTAIN TELECOMMUNICATIONS SERVICES OR EQUIPMENT.

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

(1) In its 2011 "Annual Report to Congress on Military and Security Developments Involving the People’s Republic of China", the Department of Defense stated, “China’s defense industry has benefited from integration with a rapidly expanding civilian economy and science and technology sector, particularly elements that have access to foreign technology. Progress within individual defense sectors appears
linked to the relative integration of each, through China’s civilian economy, into the global production and R&D chain . . . Information technology companies in particular, including Huawei, Datang, and Zhongxing, maintain close ties to the PLA.”.

(2) In a 2011 report titled “The National Security Implications of Investments and Products from the People’s Republic of China in the Telecommunications Sector”, the United States China Commission stated that “[n]ational security concerns have accompanied the dramatic growth of China’s telecom sector. . . . Additionally, large Chinese companies—particularly those ‘national champions’ prominent in China’s ‘going out’ strategy of overseas expansion—are directly subject to direction by the Chinese Communist Party, to include support for PRC state policies and goals.”.

(3) The Commission further stated in its report that “[f]rom this point of view, the clear economic benefits of foreign investment in the U.S. must be weighed against the potential security concerns related to infrastructure components coming under the control of foreign entities. This seems particularly applicable in the telecommunications industry, as Chinese companies continue systematically to acquire
significant holdings in prominent global and U.S. telecommunications and information technology companies.”.

(4) In its 2011 Annual Report to Congress, the United States China Commission stated that “[t]he extent of the state’s control of the Chinese economy is difficult to quantify . . . There is also a category of companies that, though claiming to be private, are subject to state influence. Such companies are often in new markets with no established SOE leaders and enjoy favorable government policies that support their development while posing obstacles to foreign competition. Examples include Chinese telecoms giant Huawei and such automotive companies as battery maker BYD and vehicle manufacturers Geely and Chery.”.

(5) General Michael Hayden, who served as Director of the Central Intelligence Agency and Director of the National Security Agency, stated in July 2013 that Huawei had “shared with the Chinese state intimate and extensive knowledge of foreign telecommunications systems it is involved with”.

(6) The Federal Bureau of Investigation, in a February 2015 Counterintelligence Strategy Partnership Intelligence Note stated that, “[w]ith the ex-
panded use of Huawei Technologies Inc. equipment and services in U.S. telecommunications service pro-
vider networks, the Chinese Government’s potential access to U.S. business communications is dramati-
cally increasing. Chinese Government-supported tele-
communications equipment on U.S. networks may be exploited through Chinese cyber activity, with China’s intelligence services operating as an advanced per-
sistent threat to U.S. networks.”.

(7) The FBI further stated in its February 2015 counterintelligence note that “China makes no secret that its cyber warfare strategy is predicated on con-trolling global communications network infrastruc-
ture”.

(8) At a hearing before the Committee on Armed Services of the House of Representatives on September 30, 2015, Deputy Secretary of Defense Robert Work, responding to a question about the use of Huawei telecommunications equipment, stated, “In the Office of the Secretary of Defense, absolutely not. And I know of no other—I don’t believe we operate in the Pentagon, any [Huawei] systems in the Pentagon.”.

(9) At that hearing, the Commander of the United States Cyber Command, Admiral Mike Rogers, responding to a question about why such Huawei
telecommunications equipment is not used, stated, “As we look at supply chain and we look at potential vulnerabilities within the system, that it is a risk we felt was unacceptable.”.


(11) The Department of the Treasury’s Office of Foreign Assets Control issued a subpoena to Huawei as part of a Federal investigation of alleged violations of trade restrictions on Cuba, Iran, Sudan, and Syria.

(12) In the bipartisan “Investigative Report on the United States National Security Issues Posed by Chinese Telecommunication Companies Huawei and ZTE” released in 2012 by the Permanent Select Committee on Intelligence of the House of Representatives, it was recommended that “U.S. government systems, particularly sensitive systems, should not include Huawei or ZTE equipment, including in component parts. Similarly, government contractors—particularly those working on contracts for sensitive U.S.
programs—should exclude ZTE or Huawei equipment in their systems.”.

(b) Prohibition on Use or Procurement.—The Secretary of Defense may not—

   (1) procure or obtain or extend or renew a contract to procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system; or

   (2) enter into a contract (or extend or renew a contract) with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

(c) Effective Dates.—The prohibition under subsection (b)(1) shall take effect 180 days after the date of the enactment of this Act and the prohibition under subsection (b)(2) shall take effect three years after the date of the enactment of this Act.

(d) Rule of Construction.—Nothing in this section shall be construed to—

   (1) prohibit the Secretary of Defense from procuring with an entity to provide a service that con-
nects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) cover telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles

(e) DEFINITIONS.—In this section:

(1) COVERED FOREIGN COUNTRY.—The term “covered foreign country” means the People’s Republic of China.

(2) COVERED TELECOMMUNICATIONS EQUIPMENT OR SERVICES.—The term “covered telecommunications equipment or services” means any of the following:

(A) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

(B) Telecommunications services provided by such entities or using such equipment.

(C) Telecommunications equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Di-
rector of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

SEC. 892. LIMITATION ON USE OF FUNDS PENDING SUBMITTAL OF REPORT ON ARMY MARKETING AND ADVERTISING PROGRAM.

(a) Report Required.—

(1) In General.—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Army shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on the recommendations contained in the audit of the Army Audit Agency of the Army’s Marketing and Advertising Program concerning contract oversight and return on investment.

(2) Elements.—The report required by paragraph (1) shall address each of the following:

(A) The mitigation and oversight measures implemented to assure improved program return and contract management, including the establishment of specific goals to measure long-term effects of investments in marketing efforts.

(B) The establishment of a review process to regularly evaluate the effectiveness and efficiency
of marketing efforts, including efforts to better support the accessions missions of the Army.

(C) The increase of acquisition and marketing experience within the Army Marketing and Research Group (in this section referred to as the “AMRG”).

(D) A workforce analysis of AMRG in cooperation with the Office of Personnel Management and industry experts assessing the AMRG organizational structure, staffing, and training, including an assessment of the workplace climate and culture internal to the AMRG.

(E) The establishment of an Army Marketing and Advisory Board comprised of senior Army and marketing and advertising leaders and an assessment of industry and service marketing and advertising best practices, including a plan to incorporate relevant practices.

(F) The status of the implementation of contracting practices recommended by the Army Audit Agency’s audit of contracting oversight of AMRG contained in Audit Report A–2018–0033–MTH.

(b) LIMITATION ON USE OF FUNDS.—Not more than 50 percent of the amounts authorized to be appropriated
by this Act or otherwise made available for the AMRG for fiscal year 2019 for advertising and marketing activities may be obligated or expended until the Secretary of the Army submits the report required under subsection (a).

(c) COMPTROLLER GENERAL REVIEW.—Not later than 90 days after the date of the submittal of the report required under subsection (a), the Comptroller General of the United States shall conduct a review of the results and implementation of the recommendations of the Army Audit Agency Audits of the AMRG on contract oversight and return on investment. The review shall include an assessment of the effects of the implementation of the recommendations on the AMRG leadership, workforce, and business practices, and return on investment.

SEC. 893. PERMANENT SBIR AND STTR AUTHORITY FOR THE DEPARTMENT OF DEFENSE.

Section 9 of the Small Business Act (15 U.S.C. 638) is amended—

(1) in subsection (m), by inserting “, except with respect to the Department of Defense” after “September 30, 2022”; and

(2) in subsection (n)(1)(A)—

(A) by inserting “(or, with respect to the Department of Defense, any fiscal year)” after “2022”; and
(B) by inserting “(or, with respect to the Department of Defense, for any fiscal year)” after “for that fiscal year”.

SEC. 894. PROCUREMENT OF TELECOMMUNICATIONS SUPPLIES FOR EXPERIMENTAL PURPOSES.

Section 2373 of title 10, United States Code, is amended by inserting “telecommunications,” after “space flight, ”.

SEC. 895. ACCESS BY DEVELOPMENTAL AND OPERATIONAL TESTING ACTIVITIES TO DATA REGARDING MODELING AND SIMULATION ACTIVITY.

(a) In General.—Section 139(e) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(4) The Director shall have prompt access to all data regarding modeling and simulation activity proposed to be used by military departments and defense agencies in support of operational or live fire test and evaluation of military capabilities. This access shall include data associated with verification, validation, and accreditation activities.”.

(b) Additional Testing Data.—Developmental Test and Evaluation activities under the leadership of the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Acquisition and Sustainment shall have prompt access to all data regarding modeling and simulation activity proposed to be used by
military departments and defense agencies in support of developmental test and evaluation of military capabilities. This access shall include data associated with verification, validation, and accreditation activities.

**TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT**

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

**SEC. 901. POWERS AND DUTIES OF THE UNDER SECRETARY OF DEFENSE FOR RESEARCH AND ENGINEERING IN CONNECTION WITH PRIORITYEmerging Technologies.**

(a) **In General.**—In carrying out duties under section 133a of title 10, United States Code, in connection with the National Defense Strategy of the Department of Defense of 2018, the Under Secretary of Defense for Research and Engineering shall have the authority to direct the Secretaries of the military departments, and the heads of all other elements of the Department of Defense with regard to matters for which the Under Secretary has responsibility, with respect to programs, projects, and activities in connection with technology areas given priority, including technology areas as follows:

(1) Directed energy.
(2) Hypersonics.

(3) Artificial intelligence.

(4) Future space satellite architectures.

(b) DIRECTION OF SECRETARY OF DEFENSE.—

(1) IN GENERAL.—The Under Secretary shall carry out any powers and duties under this section under the authority, direction, and control of the Secretary.

(2) CONSTRUCTION OF AUTHORITY.—Nothing in this section may be construed as altering or revising the authority, direction, and control of the Under Secretary by the Secretary of Defense and the Deputy Secretary of Defense.

(c) SATELLITE ARCHITECTURES.—

(1) NO DIRECTIONAL AUTHORITY FOR SPACE LAUNCH VEHICLES.—The authority in subsection (a) with respect to future space satellite architectures does not include the following:

(A) Authority for space launch vehicles.

(B) Authority for direction of the Evolved Expendable Launch Vehicle program, including any program, project, or activity relating to the Next Generation Launch System.

(2) FINAL DECISIONAL AUTHORITY ON ARCHITECTURES.—The Deputy Secretary of Defense shall
have final decisional authority over any decision on future space satellite architecture under the authority in subsection (a). The Deputy Secretary shall exercise such final decisional authority in consultation with the Secretaries of the military departments.

(d) COORDINATION.—In executing powers and duties under this section, the Under Secretary shall consult with appropriate officials of the military departments and the Defense Agencies in order to maximize support of effective and efficient execution of the National Defense Strategy referred to in subsection (a).

(e) EXPIRATION.—The authority of the Under Secretary under this section shall expire on the date that is one year after the date of the enactment of this Act.

SEC. 902. REDESIGNATION AND MODIFICATION OF RESPONSIBILITIES OF UNDER SECRETARY OF DEFENSE FOR PERSONNEL AND READINESS.

(a) Redesignation and Responsibilities as Under Secretary of Defense for Personnel.—

(1) IN GENERAL.—Section 136 of title 10, United States Code, is amended—

(A) by striking “and Readiness” each place it appears; and

(B) by striking subsection (d).
(2) **Heading Amendment.**—The heading of such section is amended to read as follows:

```
“§ 136. Under Secretary of Defense for Personnel”.
```

(b) **Designation as Chief Human Capital Officer.**—Such section is further amended—

- (1) by inserting “(1)” after “(b)”; and
- (2) by adding at the end the following new paragraph:

```
“(2) The Under Secretary is the Chief Human Capital Officer of the Department of Defense for purposes of chapter 14 of title 5.”.
```

(c) **Clerical Amendment.**—The table of sections at the beginning of chapter 4 of such title is amended by striking the item relating to section 136 and inserting the following new item:

```
“136. Under Secretary of Defense for Personnel.”.
```

(d) **Other Conforming Amendments.**—

(1) **Title 10, United States Code.**—Title 10, United States Code, is further amended as follows:

- (A) In section 131(b)(3), by striking subparagraph (E) and inserting the following new subparagraph (E):

```
“(D) The Undersecretary of Defense for Personnel.”.
```

- (B) In section 137(c), by striking “and Readiness”.

(2) Executive Schedule Level III.—Section 5314 of title 5, United States Code, is amended by striking the item relating to the Under Secretary of Defense for Personnel and Readiness and inserting the following new item:

"Under Secretary of Defense for Personnel."

(e) References.—Any reference to the Under Secretary of Defense for Personnel and Readiness in any law, regulation, map, document, record, or other paper of the United States shall be deemed to be a reference to the Under Secretary of Defense for Personnel.

SEC. 903. MODIFICATION OF RESPONSIBILITIES OF THE UNDER SECRETARY OF DEFENSE FOR POLICY.

(a) In General.—Paragraph (2) of section 134(b) of title 10, United States Code, is amended to read as follows:

"(2) The Under Secretary shall assist the Secretary of Defense in the following:

"(A) Preparing the National Defense Strategy, as required by section 113 of this title.

"(B) Preparing policy guidance for the preparation of campaign and contingency plans by the commanders of the combatant commands, and in reviewing such plans."
“(C) Preparing policy guidance for the development of the global force posture.

“(D) Preparing policy guidance to direct the formulation of program and budget requests by the military departments and other elements of the Department of Defense, and reviewing such requests in the annual planning, programming, and budget process.

“(E) Developing planning scenarios that describe the present and future strategic and operational environments by which to assess joint force capabilities and readiness.

“(F) Developing specific outcomes that the joint force should be ready to achieve and conducting assessments of the readiness of the joint force to achieve such outcomes.

“(G) Devising specific criteria to direct reviews by the Director of Cost Assessment and Program Evaluation of the implementation of the capability and readiness priorities of the Secretary.”.

(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall take effect on February 1, 2019.
SEC. 904. REPORT ON ALLOCATION OF FORMER RESPONSIBILITIES OF THE UNDER SECRETARY OF DEFENSE FOR ACQUISITION, TECHNOLOGY, AND LOGISTICS.

Not later than March 1, 2019, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth the following:

(1) A list of each provision of law, whether within or outside title 10, United States Code, in force as of the date of the report that, as of that date, assigns a duty, responsibility, or other requirement to the Under Secretary of Defense for Acquisition, Technology, and Logistics.

(2) For each duty, responsibility, or other requirement specified in a provision of law listed pursuant to paragraph (1), the allocation of such duty, responsibility, or requirement within the Department of Defense, including—

(A) solely to the Under Secretary of Defense for Research and Engineering;

(B) solely to the Under Secretary of Defense for Acquisition and Sustainment;

(C) on a shared basis between the Under Secretary of Defense for Research and Engineer-
ing and the Under Secretary of Defense for Acquisition and Sustainment;

(D) solely to another official or organization of the Department;

(E) on a shared basis between other officials and organizations of the Department; or

(F) not allocated.

SEC. 905. ASSISTANT SECRETARY OF DEFENSE FOR STRATEGY, PLANS, ASSESSMENTS, READINESS, AND CAPABILITIES.

(a) In General.—Section 138(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(5)(A) One of the Assistant Secretaries is the Assistant Secretary of Defense for Strategy, Plans, Assessments, Readiness and Capabilities.

“(B) The principal duty of the Assistant Secretary shall be to support the Secretary of Defense in developing the National Defense Strategy (as required by section 113 of this title) and related policy guidance for the campaign and contingency plans, force development and defense posture priorities, and readiness objectives required to execute the Strategy.

“(C) Subject to the authority, direction, and control of the Secretary and the Under Secretary of Defense for Pol-
icy, the Assistant Secretary shall be responsible for the fol-
lowing:

“(i) In matters relating to strategy and force
planning, the following:

“(I) Supporting the Secretary and the
Under Secretary in preparing the National De-
fense Strategy.

“(II) Producing policy guidance to direct
the formulation of program and budget requests
by the military departments and other elements
of the Department, including the Defense Plan-
ning Guidance as required by section 113 of this
title, and review such program and budget re-
quests.

“(III) Proposing alternative force sizes and
structures, joint capabilities and concepts, and
roles and missions for the armed forces to inform
the development of annual program and budget
requests.

“(ii) In matters relating to plans and force pos-
ture, the following:

“(I) Supporting the Secretary and the
Under Secretary in producing policy guidance to
inform the development of campaign and contin-
gency plans by the commanders of the combatant
commands, including the Contingency Planning Guidance for Employment of the Force and the Global Defense Posture Report as required by section 113 of this title, and reviewing such plans.

“(II) Advising the Secretary and the Under Secretary on alternative concepts for the employment and posture of the joint force to align with the National Defense Strategy and other approved policy guidance of the Secretary.

“(iii) In matters relating to assessments, the following:

“(I) Developing planning scenarios that describe the present and future strategic and operational environments by which to assess joint force capabilities and readiness.

“(II) Producing detailed assessments at the strategic, campaign, and mission levels (including through war games) to evaluate the present and future capability and readiness of the armed forces to conduct joint military campaigns or competitions that are prioritized in approved policy guidance of the Secretary.

“(III) Devising specific criteria to direct reviews by the Director of Cost Assessment and
Program Evaluation of the implementation of the capability and readiness priorities established in approved policy guidance of the Secretary.

“(iv) In matters relating to readiness, the following:

“(I) Describing the strategic, campaign, and mission outcomes that the joint force should be ready to achieve and by which joint force readiness will be assessed, in accordance with approved strategic guidance of the Secretary.

“(II) Conducting assessments of the readiness of the joint force to perform the missions prioritized in the National Defense Strategy and other approved policy guidance of the Secretary, including through the observation of military training and exercises.

“(v) In matters relating to strategic capabilities, developing and supervising policy, program planning and execution, and allocation and use of resources for any strategic capabilities designated by the Under Secretary.”.

(b) EFFECTIVE DATE.—The amendment made by this section shall take effect on February 1, 2019.
SEC. 906. CLARIFICATION OF RESPONSIBILITIES AND DUTIES OF THE CHIEF INFORMATION OFFICER OF THE DEPARTMENT OF DEFENSE.

Section 142(b)(1) of title 10, United States Code, is amended—

(1) in subparagraph (A), by inserting “(other than with respect to business systems and management)” after “sections 3506(a)(2)”;

(2) in subparagraph (B), by striking “section 11315 of title 40” and inserting “sections 11315 and 11319 of title 40 (other than with respect to business systems and management)”;

(3) in subparagraph (C), by striking “sections 2222, 2223(a), and 2224 of this title” and inserting “sections 2223(a) (other than with respect to business systems and management) and 2224 of this title”.

SEC. 907. SPECIFICATION OF CERTAIN DUTIES OF THE DEFENSE TECHNICAL INFORMATION CENTER.

(a) In General.—In addition to any other duties specified for the Defense Technical Information Center by law, regulation, or Department of Defense directive or instruction, the duties of the Center shall include the following:

(1) To execute the Global Research Watch Program under section 2365 of title 10, United States Code.
(2) To develop and maintain datasets and other data repositories on research and engineering activities being conducted within the Department.

(b) ACTION PLAN.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a plan of action for the commencement by the Defense Technical Information Center of the duties specified in subsection (a).

SEC. 908. LIMITATION ON TERMINATION OF, AND TRANSFER OF FUNCTIONS, RESPONSIBILITIES, AND ACTIVITIES OF, THE STRATEGIC CAPABILITIES OFFICE.

(a) LIMITATION.—The Secretary of Defense may not terminate the Strategic Capabilities Office or transfer the functions or responsibilities of such office to another entity or organization until the Secretary—

(1) certifies to the congressional defense committees that the key functions, responsibilities, and activities of the office will be replicated and managed elsewhere after such office has been terminated or its functions, responsibilities, or activities have been transferred;  

(2) submits to the congressional defense committees—
(A) a plan to replicate and manage such functions, responsibilities, and activities elsewhere; and

(B) if the Secretary decides that the Strategic Capabilities Office, or subsequent entity, should report to an official other than the Under Secretary for Research and Engineering, a justification for such decision.

(b) KEY FUNCTIONS.—The key functions of the office referred to in subsection (a)(1) are the following:

(1) Repurposing existing Government and commercial systems for new technological advantage.

(2) Developing novel concepts of operation that are lower cost, more effective, and more responsive to changing threats than traditional concepts of operation.

(3) Developing joint systems and concepts of operations to meet emerging threats and military requirements based on partnerships with the military services and combatant commanders.

(4) Developing prototypes and new concepts of operations that can inform the development of requirements and the establishment of acquisition programs.
(5) Such other functions as the Secretary considers appropriate.

SEC. 909. TECHNICAL CORRECTIONS TO DEPARTMENT OF DEFENSE TEST RESOURCE MANAGEMENT CENTER AUTHORITY.

Section 196 of title 10, United States Code, is amended in subsections (c)(1)(B) and (g) by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Research and Engineering”.

Subtitle B—Organization and Management of Other Department of Defense Offices and Elements

SEC. 921. MODIFICATION OF CERTAIN RESPONSIBILITIES OF THE CHAIRMAN OF THE JOINT CHIEFS OF STAFF RELATING TO JOINT FORCE CONCEPT DEVELOPMENT.

Subparagraph (D) of section 153(a)(6) of title 10, United States Code, is amended to read as follows:

“(D) formulating policies for development and experimentation on both urgent and long-term concepts for the joint employment of the armed forces, including establishment of a process within the Joint Staff for—"
“(i) analyzing and prioritizing gaps in capabilities that could potentially be addressed by joint concept development using existing or modified joint force capabilities; and

“(ii) ensuring that such joint concepts are tested, assessed and, if appropriate, fielded to support the joint force;”.

SEC. 922. ASSISTANT SECRETARY OF DEFENSE FOR SPECIAL OPERATIONS AND LOW-INTENSITY CONFLICT REVIEW OF UNITED STATES SPECIAL OPERATIONS COMMAND.

(a) REVIEW REQUIRED.—The Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict shall, in coordination with the Commander of the United States Special Operations Command, conduct a comprehensive review of the United States Special Operations Command for purposes of ensuring that the institutional and operational capabilities of special operations forces are appropriate to counter anticipated future threats across the spectrum of conflict.

(b) SCOPE OF REVIEW.—The review required by subsection (a) shall include, at a minimum, the following:

(1) An assessment of the adequacy of special operations forces doctrine, organization, training, mate-
riel, education, personnel, and facilities to implement the 2018 National Defense Strategy, and recommendations, if any, for modifications for that purpose.

(2) An assessment of the roles and responsibilities of special operations forces as assigned by law, Department of Defense guidance, or other formal designation and recommendations, if any, for additions to or divestitures of such roles or responsibilities.

(3) An assessment of the adequacy of the processes through which the United States Special Operations Command evaluates and prioritizes the requirements at the geographic combatant commands for special operations forces and special operations-unique capabilities and makes recommendations on the allocation of special operations forces and special operations-unique capabilities to meet such requirements, and recommendations, if any, for modifications of such processes.

(4) Any other matters the Assistant Secretary considers appropriate.

(c) DEADLINES.—

(1) COMPLETION OF REVIEW.—The review required by subsection (a) shall be completed by not
later than 270 days after the date of the enactment of this Act.

(2) **Report.**—Not later than 30 days after completion of the review, the Assistant Secretary shall submit to the congressional defense committees a report on the review, including the findings and any recommendations of the Assistant Secretary as a result of the review.

**SEC. 923. QUALIFICATIONS FOR APPOINTMENT AS DEPUTY CHIEF MANAGEMENT OFFICER OF A MILITARY DEPARTMENT.**

(a) **Department of the Army.**—An individual may not be appointed as Deputy Chief Management Officer of the Department of the Army unless the individual—

(1) has significant experience in business operations or management in the public sector; or

(2) has significant experience managing an enterprise in the private sector.

(b) **Department of the Navy.**—An individual may not be appointed as Deputy Chief Management Officer of the Department of the Navy unless the individual—

(1) has significant experience in business operations or management in the public sector; or

(2) has significant experience managing an enterprise in the private sector.
(c) DEPARTMENT OF THE AIR FORCE.—An individual may not be appointed as Deputy Chief Management Officer of the Department of the Air Force unless the individual—
   (1) has significant experience in business operations or management in the public sector; or
   (2) has significant experience managing an enterprise in the private sector.

SEC. 924. EXPANSION OF PRINCIPAL DUTIES OF ASSISTANT SECRETARY OF THE NAVY FOR RESEARCH, DEVELOPMENT, AND ACQUISITION.

Section 5016(b)(4)(A) of title 10, United States Code, is amended by striking “and acquisition matters” and inserting “acquisition, and sustainment (including maintenance) matters”.

SEC. 925. CROSS-FUNCTIONAL TEAMS IN THE DEPARTMENT OF DEFENSE.

(a) ESTABLISHMENT OF CERTAIN TEAMS.—
   (1) IN GENERAL.—Among the cross-functional teams established by the Secretary of Defense pursuant to subsection (c) of section 911 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2345; 10 U.S.C. 111 note) in support of the organizational strategy for the Department of Defense required by subsection (a) of that
section, the Secretary shall establish a cross-functional team on each matter as follows:

(A) Electronic warfare.

(B) Personnel security.

(C) Close combat lethality.

(2) Establishment and Activities.—Each cross-functional team established pursuant to paragraph (1) shall be established in accordance with subsection (c) of section 911 of the National Defense Authorization Act for Fiscal Year 2017, and shall be governed in its activities in accordance with the provisions of such subsection (c).

(3) Deadline for Establishment.—The cross-functional teams required by paragraph (1) shall be established by not later than 90 days after the date of the enactment of this Act.

(b) Additional Cross-Functional Teams Matters.—

(1) Criteria for Distinguishing Among Cross-Functional Teams.—Not later than 60 days after the date of the enactment of this Act, the Secretary shall issue criteria that distinguish cross-functional teams under section 911 of the National Defense Authorization Act for Fiscal Year 2017 from other types of cross-functional working groups, com-
mittees, integrated product teams, and task forces of
the Department.

(2) PRIMARY RESPONSIBILITY FOR IMPLEMENTA-
TION OF TEAMS.—The Deputy Secretary of Defense
shall establish or designate an office within the De-
partment that shall have primary responsibility for
implementing section 911 of the National Defense Au-
thorization Act for Fiscal Year 2017.

SEC. 926. DEADLINE FOR COMPLETION OF FULL IMPLEMEN-
TATION OF REQUIREMENTS IN CONNECTION
WITH ORGANIZATION OF THE DEPARTMENT
OF DEFENSE FOR MANAGEMENT OF SPECIAL
OPERATIONS FORCES AND SPECIAL OPER-
ATIONS.

The Secretary of Defense shall ensure that the imple-
mentation of section 922 of the National Defense Authoriza-
tion Act for Fiscal Year 2017 (Public Law 114–328; 130
Stat. 2354) and the amendments made by that section is
fully complete by not later than 90 days after the date of
the enactment of this Act.
Subtitle C—Organization and Management of the Department of Defense Generally

SEC. 931. LIMITATION ON AVAILABILITY OF FUNDS FOR MAJOR HEADQUARTERS ACTIVITIES OF THE DEPARTMENT OF DEFENSE.

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

“§118. Major headquarters activities: limitation on funds available

“(a) Overall limitation.—In any fiscal year after fiscal year 2020, the aggregate amount that may be obligated and expended on major headquarters activities may not exceed an amount equal to 1.6 percent of the average amount authorized to be appropriated for the Department of Defense (including for overseas contingency operations) over the 10 fiscal years ending with the preceding fiscal year.

“(b) Limitations on availability for particular activities.—Within the amount available for a fiscal year pursuant to subsection (a), amounts shall be available as follows:

“(1) For the Office of the Secretary of Defense, not more than an amount equal to 0.4 percent of the...
average amount authorized to be appropriated for the Department of Defense (including for overseas contingency operations) over the 10 fiscal years ending with the preceding fiscal year.

“(2) For the major headquarters activities of a military department, not more than an amount equal to 1 percent of the average amount authorized to be appropriated for the Department of Defense (including for overseas contingency operations) for such military department over the 10 fiscal years ending with the preceding fiscal year.

“(c) DISTRIBUTION OF REMAINING FUNDS.—Any funds available in a fiscal year for major headquarters activities under subsection (a) after the operation of subsection (b) in connection with such fiscal year may be distributed for availability by the Secretary of Defense among any major headquarters activities other than the Office of the Secretary of Defense.

“(d) DEFINITIONS.—In this section:

“(1) The term ‘major headquarters activities’ has the meaning given the term ‘major Department of Defense headquarters activities’ in section 346(b)(3) of the National Defense Authorization Act for Fiscal Year 2016 (10 U.S.C. 111 note).
“(2) The term ‘major headquarters activities of a military department’ means the following:

“(A) In the case of the Army, the Office of the Secretary of the Army and the Army Staff.

“(B) In the case of the Navy, the Office of the Secretary of the Navy, the Office of the Chief of Naval Operations, and Headquarters, Marine Corps.

“(C) In the case of the Air Force, the Office of the Secretary of the Air Force and the Air Staff.

“(3) The term ‘Office of the Secretary of Defense’ includes the Joint Staff.”.

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

“118. Major headquarters activities: limitation on funds available.”.

SEC. 932. RESPONSIBILITY FOR POLICY ON CIVILIAN CASUALTY MATTERS.

(a) Designation of Senior Civilian Official.—Not later than 90 days after the date of the enactment of this Act, the Under Secretary of Defense for Policy shall designate a senior civilian official of the Department of Defense at or above the level of Assistant Secretary of Defense to develop, coordinate, and oversee compliance with the pol-
icy of the Department relating to civilian casualties resulting from United States military operations.

(b) Responsibilities.—The senior civilian official designated under subsection (a) shall ensure that the policy referred to in that subsection provides for—

(1) uniform processes and standards across the combatant commands for accurately recording kinetic strikes by the United States military;

(2) the development and dissemination of best practices for reducing the likelihood of civilian casualties from United States military operations;

(3) the development of a publicly available Internet portal for the submittal of allegations of civilian casualties resulting from United States military operations;

(4) uniform processes and standards across the combatant commands for reviewing and investigating allegations of civilian casualties resulting from United States military operations, including the consideration of relevant information from all available sources;

(5) uniform processes and standards across the combatant commands for—

(A) acknowledging the responsibility of the United States military for civilian casualties re-
resulting from United States military operations;

and

(B) offering ex gratia payments to civilians
who have been injured, or to the families of civil-
ians killed, as a result of United States military
operations, as determined to be necessary by the
designated senior civilian official;

(6) regular engagement with relevant intergov-
ernmental and nongovernmental organizations; and

(7) public affairs guidance with respect to mat-
ters relating to civilian casualties alleged or con-
irmed to have resulted from United States military
operations; and

(8) such other matters with respect to civilian
casualties resulting from United States military oper-
ations as the designated senior civilian official con-
siders appropriate.

(c) REPORT.—Not later than 180 days after the date
of the enactment of this Act, the senior civilian official des-
ignated under subsection (a) shall submit to the congres-
sional defense committees a report that describes—

(1) the policy developed by the senior civilian of-

icial under that subsection; and

(2) the efforts of the Department to implement
such policy.
SEC. 933. ADDITIONAL MATTERS IN CONNECTION WITH BACKGROUND AND SECURITY INVESTIGATIONS FOR DEPARTMENT OF DEFENSE PERSONNEL.

(a) ADDITIONAL MATTER FOR ANNUAL REPORTS.—Subsection (k)(3) of section 925 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended—

(1) by redesignating subparagraphs (H) through (L) as subparagraphs (I) through (M), respectively; and

(2) by inserting after subparagraph (G) the following new subparagraph (H):

“(H) The number of denials or revocations of a security clearance by each authorized adjudicative agency that occurred separately from a periodic reinvestigation.”.

(b) SENSE OF CONGRESS.—Such section is further amended—

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

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

“(l) SENSE OF CONGRESS.—It is the sense of Congress that—
“(1) personnel security investigations, and continuous evaluation, form an integral part of the security posture of the Department of Defense; and

“(2) to the extent practicable, the Department should coordinate with the security executive agent to ensure that the results of adjudication decisions, either within initial investigations or reinvestigations, are communicated in a transparent manner to ensure public trust in the adjudication process.”.

SEC. 934. PROGRAM OF EXPEDITED SECURITY CLEARANCES FOR MISSION-CRITICAL POSITIONS.

(a) In General.—Not later than 90 days after the date of the enactment of this Act, the Security Executive Agent shall establish a program for the expedited processing of security clearances for mission-critical positions, fulfilled by either Government or contract employees. Under such program, the Security Executive Agent shall complete the processing of applications for security clearances—

(1) at the secret level in 15 or fewer days; and

(2) at the top secret level in 45 days or fewer.

(b) Security Executive Agent.—In this section, the term “Security Executive Agent” means the Director of National Intelligence acting as the Security Executive Agent in accordance with Executive Order 13467 (73 Fed. Reg. 38103; 50 U.S.C. 3161 note).
SEC. 935. INFORMATION SHARING PROGRAM FOR POSITIONS OF TRUST.

(a) Program Required.—Not later than 90 days after the date of the enactment of this Act, the Security Executive Agent shall establish a program to share between and among Federal Government agencies and industry partners of the Federal Government information regarding individuals applying for and in positions of trust, including derogatory and suitability information.

(b) Privacy Safeguards.—The Security Executive Agent shall ensure that the program required by subsection (a) includes such safeguards for privacy as the Security Executive Agent considers appropriate.

(c) Provision of Information to the Private Sector.—The Security Executive Agent shall ensure that under the program required by subsection (a) sufficient information is provided to the private sector so that employers in the private sector can make informed decisions about hiring and retention in positions of trust, while safeguarding personnel privacy.

(d) Implementation Plan.—

(1) In general.—Not later than 90 days after the date of the enactment of this Act, the Security Executive Agent shall submit to Congress a plan for the implementation of the program required by subsection (a).
(2) CONTENTS.—The plan required by paragraph (1) shall include the following:

(A) Matters that address privacy, security, and human resources processes.

(B) Such recommendations as the Security Executive Agent may have for legislative or administrative action to carry out or improve the program.

(e) SECURITY EXECUTIVE AGENT.—In this section, the term “Security Executive Agent” means the Director of National Intelligence acting as the Security Executive Agent in accordance with Executive Order 13467 (73 Fed. Reg. 38103; 50 U.S.C. 3161 note).

SEC. 936. REPORT ON CLEARANCE IN PERSON CONCEPT.

(a) REPORT REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Security Executive Agent shall submit to congressional defense and intelligence committees a report on the requirements, feasibility, and advisability of implementing a clearance in person concept as described in subsection (b) for maintaining access to classified information.

(b) CLEARANCE IN PERSON CONCEPT.—

(1) IN GENERAL.—Implementation of a clearance in person concept as described in this subsection would permit an individual who has been granted a
national security clearance to maintain eligibility for access to classified information, networks, and facilities after the individual has separated from service to the Federal Government or transferred to a position that no longer requires access to classified information.

(2) **RECOGNITION AS CURRENT.**—The concept described in paragraph (1) would also ensure that, unless otherwise directed by the Security Executive Agent, the individual’s security clearance would be recognized as current, regardless of employment status, with no further need for investigation or revalidation until the individual obtains a position requiring access to classified information.

(c) **CONTENTS.**—The report required by subsection (a) shall address the following:

(1) Requirements for continuous vetting.

(2) Appropriate safeguards for privacy.

(3) An appropriate funding model.

(4) Fairness to small business concerns and independent contractors.

(d) **SECURITY EXECUTIVE AGENT.**—In this section, the term “Security Executive Agent” means the Director of National Intelligence acting as the Security Executive Agent

SEC. 937. STRATEGIC DEFENSE FELLOWS PROGRAM.

(a) Fellowship Program.—

(1) In general.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall establish within the Department of Defense a civilian fellowship program designed to provide leadership development and the commencement of a career track toward senior leadership in the Department.

(2) Designation.—The fellowship program shall be known as the “Strategic Defense Fellows Program” (in this section referred to as the “fellows program”).

(b) Eligibility.—An individual is eligible for participation in the fellows program if the individual—

(1) is a citizen of the United States or a lawful permanent resident of the United States in the year in which the individual applies for participation in the fellows program; and

(2) either—

(A) possesses a graduate degree from an accredited institution of higher education in the United States that was awarded not later than
two years before the date of the acceptance of the individual into the fellows program; or

(B) will be awarded a graduate degree from an accredited institution of higher education in the United States not later than six months after the date of the acceptance of the individual into the fellows program.

(c) APPLICATION.—

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

(2) ELEMENTS.—Each application of an individual under this subsection shall include the following:

(A) Transcripts of educational achievement at the undergraduate and graduate level.

(B) A resume.

(C) Proof of citizenship or lawful permanent residence.

(D) An endorsement from the applicant’s graduate institution of higher education.

(E) An academic writing sample.
(F) Letters of recommendation addressing the applicant’s character, academic ability, and any extracurricular activities.

(G) A personal statement by the applicant explaining career areas of interest and motivations for service in the Department.

(H) Such other information as the Secretary considers appropriate.

(d) SELECTION.—

(1) IN GENERAL.—Each year, the Secretary shall select participants in the fellows program from among applicants for the fellows program for such year who qualify for participation in the fellows program based on character, commitment to public service, academic achievement, extracurricular activities, and such other qualifications for participation in the fellows program as the Secretary considers appropriate.

(2) NUMBER.—The number of individuals selected to participate in the fellows program in any year may not exceed the numbers as follows:

(A) Ten individuals from each geographic region of the United States as follows:

(i) The Northeast.

(ii) The Southeast.

(iii) The Midwest.
(iv) The Southwest.

(v) The West.

(B) Ten additional individuals.

(3) BACKGROUND INVESTIGATION.—An individual selected to participate in the fellows program may not participate in the program unless the individual successfully undergoes a background investigation applicable to the position to which the individual will be assigned under the fellows program and otherwise meets such requirements applicable to assignment to a sensitive position within the Department that the Secretary considers appropriate.

(e) ASSIGNMENT.—

(1) IN GENERAL.—Each individual who participates in the fellows program shall be assigned to a position in the Office of the Secretary of Defense.

(2) POSITION REQUIREMENTS.—Each Under Secretary of Defense and each Director of a Defense Agency who reports directly to the Secretary shall submit to the Secretary each year the qualifications and skills to be demonstrated by participants in the fellows program to qualify for assignment under this subsection for service in a position of the office of such Under Secretary or Director.
(3) **Assignment to Positions.**—The Secretary shall each year assign participants in the fellows program to positions in the offices of the Under Secretaries and Directors described in paragraph (2). In making such assignments, the Secretary shall seek to best match the qualifications and skills of participants in the fellows program with the requirements of positions available for assignment. Each participant so assigned shall serve as a special assistant to the Under Secretary or Director to whom assigned.

(4) **Term.**—The term of each assignment under the fellows program shall be one year.

(5) **Pay and Benefits.**—An individual assigned to a position under the fellows program shall be compensated at the rate of compensation for employees at level GS–10 of the General Schedule, and shall be treated as an employee of the United States during the term of assignment, including for purposes of eligibility for health care benefits and retirement benefits available to employees of the United States.

(6) **Education Loan Repayment.**—To the extent that funds are provided in advance in appropriations Acts, the Secretary may repay any loan of a participant in the fellows program if the loan is described by subparagraph (A), (B), or (C) of section
16301(a)(1) of title 10, United States Code. Any re-

payment of loans under this paragraph shall be on a

first-come, first-served basis.

(f) CAREER DEVELOPMENT.—

(1) IN GENERAL.—The Secretary shall ensure

that participants in the fellows program—

(A) receive opportunities and support ap-

propriate for the commencement of a career track

within the Department leading toward a future

position of senior leadership within the Depart-

ment, including ongoing mentorship support

through appropriate personnel from entities

within the Department such as the Defense Busi-

ness Board and the Defense Innovation Board;

and

(B) are provided appropriate opportunities

for employment and advancement within the De-

partment upon successful completion of the fel-

lows program.

(2) RESERVATION OF POSITIONS.—In carrying

out paragraph (1)(B), the Secretary shall reserve for

participants who successfully complete the fellows pro-

gram not fewer than 30 positions in the excepted serv-

ice within the Department that are suitable for the

commencement of a career track toward senior leader-
ship within the Department. Any position so reserved shall not be subject to or covered by any reduction in headquarters personnel required under any other provision of law.

(3) Noncompetitive Appointment.—Upon the successful completion of the assignment of a participant in the fellows program in a position pursuant to subsection (e), the Secretary may, without regard to the provisions of subchapter I of chapter 33 of title 5, United States Code, appoint the participant to a position reserved pursuant to paragraph (2) if the Secretary determines that such appointment will contribute to the development of highly qualified future senior leaders for the Department.

(4) Publication of Selection.—The Secretary shall publish on an Internet website of the Department available to the public the names of the individuals selected to participate in the fellows program.

(g) Outreach.—The Secretary shall undertake appropriate outreach to inform potential participants in the fellows program of the nature and benefits of participation in the fellows program.

(h) Regulations.—The Secretary shall carry out this section in accordance with such regulations as the Secretary may prescribe for purposes of this section.
(i) **FUNDING.**—Of the amounts authorized to be appropriated for each fiscal year for the Department of Defense for operation and maintenance, Defense-wide, $10,000,000 may be available to carry out the fellows program in such fiscal year.

### Subtitle D—Other Matters

#### SEC. 941. ANALYSIS OF DEPARTMENT OF DEFENSE BUSINESS MANAGEMENT AND OPERATIONS Datasets to Promote Savings and Efficiencies.

(a) **In General.**—The Chief Management Officer of the Department of Defense shall develop a policy on analysis of Department of Defense datasets on business management and business operations by the public for purposes of accessing data analysis capabilities that would promote savings and efficiencies and otherwise enhance the utility of such datasets to the Department.

(b) **Initial Discharge of Policy.**—

(1) **In General.**—The Chief Management Officer shall commence the discharge of the policy required pursuant to subsection (a) by—

(A) identifying one or more matters—

(i) that are of significance to the Department of Defense;

(ii) that are currently unresolved; and
(iii) whose resolution from a business management or business operations dataset of the Department could benefit from a method or technique of analysis not currently familiar to the Department;

(B) identifying between three and five business management or business operations datasets of the Department not currently available to the public whose evaluation could result in novel data analysis solutions toward management or operations problems of the Department identified by the Chief Management Officer; and

(C) encouraging, whether by competition or other mechanisms, the evaluation of the datasets described in subparagraph (B) by appropriate persons and entities in the public or private sector (including academia).

(2) Protection of security and confidentiality.—In providing for the evaluation of datasets pursuant to this subsection, the Chief Management Officer shall take appropriate actions to protect the security and confidentiality of any information contained in the dataset, including through special precautions to ensure that any personally identifiable in-
formation is not included and no release of information will adversely affect national security missions.

SEC. 942. RESEARCH AND DEVELOPMENT TO ADVANCE CAPABILITIES OF THE DEPARTMENT OF DEFENSE IN DATA INTEGRATION AND ADVANCED ANALYTICS IN CONNECTION WITH PERSONNEL SECURITY.

(a) PLAN REQUIRED.—The Under Secretary of Defense for Intelligence shall develop a plan on research and development activities to advance the capabilities of the Department of Defense in data integration and advanced analytics in connection with personnel security activities of the Department. The plan shall, to the extent practicable, provide for the leveraging of the capabilities of other government entities, institutions of higher education, and private sector entities with advanced, leading-edge expertise in data integration and analytics applicable to the challenges faced by the Department in connection with personnel security.

(b) COORDINATION.—Any activities under the plan may be carried out in coordination with the Defense Digital Service and the Defense Innovation Board.

(c) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary shall provide to the appropriate committees of Congress a briefing on the plan.
(d) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means—

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

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

TITLE X—GENERAL PROVISIONS
Subtitle A—Financial Matters

SEC. 1001. GENERAL TRANSFER AUTHORITY.

(a) AUTHORITY TO TRANSFER AUTHORIZATIONS.—

(1) AUTHORITY.—Upon determination by the Secretary of Defense that such action is necessary in the national interest, the Secretary may transfer amounts of authorizations made available to the Department of Defense in this division for fiscal year 2019 between any such authorizations for that fiscal year (or any subdivisions thereof). Amounts of authorizations so transferred shall be merged with and be available for the same purposes as the authorization to which transferred.
(2) LIMITATION.—Except as provided in paragraph (3), the total amount of authorizations that the Secretary may transfer under the authority of this section may not exceed $4,500,000,000.

(3) EXCEPTION FOR TRANSFERS BETWEEN MILITARY PERSONNEL AUTHORIZATIONS.—A transfer of funds between military personnel authorizations under title IV shall not be counted toward the dollar limitation in paragraph (2).

(b) LIMITATIONS.—The authority provided by subsection (a) to transfer authorizations—

(1) may only be used to provide authority for items that have a higher priority than the items from which authority is transferred; and

(2) may not be used to provide authority for an item that has been denied authorization by Congress.

(c) EFFECT ON AUTHORIZATION AMOUNTS.—A transfer made from one account to another under the authority of this section shall be deemed to increase the amount authorized for the account to which the amount is transferred by an amount equal to the amount transferred.

(d) NOTICE TO CONGRESS.—The Secretary shall promptly notify Congress of each transfer made under subsection (a).
SEC. 1002. INCLUSION OF FUNDS FOR AIR FORCE PASS-THROUGH ITEMS IN DEFENSE-WIDE BUDGET FOR THE DEPARTMENT OF DEFENSE.

(a) In General.—In any budget of the President submitted to Congress pursuant to section 1105(a) of title 31, United States Code, for a fiscal year after fiscal year 2019, any funds for an Air Force pass-through item shall be requested in the Defense-wide budget of the Department of Defense rather than the budget of the Air Force.

(b) Air Force Pass-Through Item Defined.—In this section, the term “Air Force pass-through item” means a program, project, or activity for which—

(1) funds would otherwise be requested for the Air Force; and

(2) funds made available for execution will be executed by another department, agency, or element of the Department of Defense.

SEC. 1003. REPORT ON SHIFT IN REQUESTS FOR FUNDS FOR DEPARTMENT OF DEFENSE ACTIVITIES FROM FUNDS FOR OVERSEAS CONTINGENCY OPERATIONS TO FUNDS THROUGH THE BASE BUDGET.

(a) Report Required.—Not later than 14 days after the submittal to Congress of the budget of the President for fiscal year 2020 pursuant to section 1105 of title 31, United States Code, the Under Secretary of Defense (Comptroller)
shall submit to the congressional defense committees a report on any shift during fiscal year 2020 from requests for funds for Department of Defense activities for overseas contingency operations to requests for funds for such activities for the Department generally (commonly referred to as the “base budget”).

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

(1) A description of the assumptions used by the Department of Defense and the Armed Forces in determining the programs, projects, and activities for which funds were requested for fiscal year 2019 for overseas contingency operations for which funds are requested for fiscal year 2020 for the Department generally, including any changes to the criteria for overseas contingency operations funding requests issued in 2010 and used by the Office of Management and Budget in identifying the programs, projects, and activities for which funds are so requested for fiscal year 2020.

(2) The programs, projects, and activities of the Department for which funds were requested for fiscal year 2019 for overseas contingency operations that are requested in the budget for fiscal year 2020 to be funded for the Department generally, and the amount
for such programs, projects, and activities, set forth at
the level of detail as follows:

(A) For procurement, by line item.

(B) For research, development, test, and
evaluation, by program element (PE) number.

(C) For operation and maintenance, by sub-
activity group (SAG).

(D) For military personnel, by sub-activity
group.

(E) For revolving and management funds,
by sub-activity group.

(F) For military construction, by project.

SEC. 1004. RANKING OF AUDITABILITY OF FINANCIAL
STATEMENTS OF THE ORGANIZATIONS AND
ELEMENTS OF THE DEPARTMENT OF DE-
FENSE.

(a) REPORT ON RANKING.—Not later than 90 days
after the date of the enactment of this Act, the Secretary
of Defense shall, in coordination with the Under Secretary
of Defense (Comptroller), submit to the congressional defense
committees a report setting forth a ranking of the
auditability of the financial statements of the departments,
agencies, organizations, and elements of the Department of
Defense according to the progress made toward achieving
auditability as required by law.
(b) CRITERIA FOR RANKING.—The criteria to be used for ranking for purposes of the report under this section shall be—

(1) the criteria developed by the Under Secretary pursuant to section 1104 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) for a similar report under that section;

(2) other criteria developed by the Under Secretary for purposes of the report under this section; or

(3) a combination of the criteria described in paragraphs (1) and (2).

(c) CONSTRUCTION.—The report required by this section is in addition to the report required by section 1104 of the National Defense Authorization Act for Fiscal Year 2018.

SEC. 1005. TRANSPARENCY OF ACCOUNTING FIRMS USED TO SUPPORT DEPARTMENT OF DEFENSE AUDIT.

The Secretary of Defense shall require any accounting firm under contract or under consideration for a contract or for the renewal of an existing contract with the Department of Defense in support of the audit required under section 3521 of title 31, United States Code, to provide a statement setting forth the details of any disciplinary pro-
ceedings with respect to the accounting firm or its associated persons before any entity with the authority to enforce compliance with rules or laws applying to audit services offered by accounting firms.

Subtitle B—Naval Vessels and Shipyards

SEC. 1011. DATE OF LISTING OF VESSELS AS BATTLE FORCE SHIPS IN THE NAVAL VESSEL REGISTER AND OTHER FLEET INVENTORY MEASURES.

(a) In General.—Section 7301 of title 10, United States Code, is amended—

(1) by redesignating subsection (c) as subsection (d); and

(2) by inserting after subsection (b) the following new subsection (c):

“(c) Listing as Battle Force Ship in Naval Vessel Register.—A covered vessel may not be listed in the Naval Vessel Register or other fleet inventory measures as a battle force ship until the delivery date specified in subsection (a).”.

(b) Definitions.—Such section is further amended by striking subsection (d), as redesignated by subsection (a)(1) of this section, and inserting the following new subsection:

“(d) Definitions.—In this section:
“(1) The term ‘covered vessel’ means any vessel of the Navy that is under construction or constructed using amounts authorized to be appropriated for the Department of Defense for shipbuilding and conversion, Navy.

“(2) The term ‘battle force ship’ means the following:

“(A) A commissioned United States Ship warship capable of contributing to combat operations.

“(B) A United States Naval Ship that contributes directly to Navy warfighting or support missions.”.

SEC. 1012. ANNUAL REPORTS ON EXAMINATION OF NAVY VESSELS.

Section 7304 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(d) ANNUAL REPORT.—

“(1) IN GENERAL.—Not later than March 1 each year, the board designated under subsection (a) shall submit to the congressional defense committees a report setting forth the following:

“(A) An overall narrative summary of the material readiness of Navy ships as compared to established material requirements standards.
“(B) The overall number and types of vessels inspected during the preceding fiscal year.

“(C) For in-service vessels, material readiness trends by inspected functional area as compared to the previous five years.

“(2) FORM.—Each report under this subsection shall be submitted in an unclassified form that is releasable to the public without further redaction.

“(3) TERMINATION.—No report shall be required under this subsection after October 1, 2021.”.

SEC. 1013. LIMITATION ON DURATION OF HOMEPORTING OF CERTAIN VESSELS IN FOREIGN LOCATIONS.

(a) LIMITATION.—

(1) IN GENERAL.—Chapter 633 of title 10, United States Code, is amended by inserting after section 7310 the following new section:

“§ 7310a. Homeporting of certain vessels in overseas locations: limitation on duration

“(a) IN GENERAL.—A vessel specified in subsection (b) that is listed in the Naval Vessel Register may not be homeported in a location other than in the United States or Guam for a period of more than 10 consecutive years.

“(b) SPECIFIED VESSELS.—The vessels specified in this subsection are the following:
“(1) Aircraft carrier.
“(2) Amphibious ship.
“(3) Cruiser.
“(4) Destroyer.
“(5) Frigate.

“(c) WAIVER.—

“(1) IN GENERAL.—The Chief of Naval Operations may waive the applicability of subsection (a) to a ship.

“(2) EFFECTIVENESS CONTINGENT ON REPORT.—A waiver under paragraph (1) with respect to a ship shall go into effect on the date on which the Chief of Naval Operations submits to the congressional defense committees a report on the waiver setting forth the following:

“(A) The ship covered by the waiver.
“(B) The duration of the waiver for such ship
“(C) The justification of the Chief of Naval Operations for the waiver.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 633 of such title is amended by inserting after the item relating to section 7310 the following new item:

“7310a. Homeporting of certain vessels in overseas locations; limitation on duration.”.
(b) **Effective Date.**—The amendments made by this section shall take effect on October 1, 2020, and shall apply with respect to the homeporting of vessels after that date, regardless of whether the continuous period of homeporting concerned commenced before that date.

**SEC. 1014. SPECIFIC AUTHORIZATION REQUIREMENT FOR NUCLEAR REFUELING OF AIRCRAFT CARRIERS.**

(a) **In General.**—Chapter 633 of title 10, United States Code, is amended by inserting after section 7314 the following new section:

“§ 7314a. Nuclear refueling of aircraft carriers: specific authorization required

“Funds may not be obligated or expended for the procurement of a naval nuclear reactor power unit or associated reactor components for the nuclear refueling of an aircraft carrier unless such refueling is specifically authorized, by ship name and hull number, by statute.”.

(b) **Clerical Amendment.**—The table of sections at the beginning of chapter 633 of such title is amended by inserting after the item relating to section 7314 the following new item:

“7314a. Nuclear refueling of aircraft carriers: specific authorization required.”.

† HR 5515 PAP
SEC. 1015. DISMANTLEMENT AND DISPOSAL OF NUCLEAR-POWERED AIRCRAFT CARRIERS.

(a) IN GENERAL.—Chapter 633 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 7320. Nuclear-powered aircraft carriers: dismantlement and disposal

“(a) IN GENERAL.—Not less than 90 days before the award of a contract for the dismantlement and disposal of a nuclear-powered aircraft carrier, or the provision of funds to a naval shipyard for the dismantlement and disposal of a nuclear-powered aircraft carrier, the Secretary of the Navy shall submit to the congressional defense committees a report setting forth the following:

“(1) A cost and schedule baseline for the dismantlement and disposal approved by the service acquisition executive of the Department of the Navy and the Chief of Naval Operations.

“(2) An independent cost estimate of the dismantlement and disposal prepared by the Office of Cost Analysis and Program Evaluation.

“(3) A description of the regulatory framework applicable to the management of radioactive materials in connection with the dismantlement and disposal, including, in cases in which the Navy intends...
to have another government entity serve as the regulatory enforcement authority—

“(A) a certification from that entity of its agreement to serve as the regulatory enforcement authority; and

“(B) a description of the legal basis for the authority of that entity to serve as the regulatory enforcement authority.

“(b) Supplemental Information With Budgets.—In the materials submitted to Congress by the Secretary of Defense in support of the budget of the President for a fiscal year (as submitted to Congress under section 1105(a) of title 31), the Secretary of the Navy shall include information on each dismantlement and disposal of a nuclear-powered aircraft carrier occurring or planned to occur during the period of the future-years defense program submitted to Congress with that budget. Such information shall include, by ship concerned, the following:

“(1) A summary of activities and significant developments in connection with such dismantlement and disposal.

“(2) If applicable, a detailed description of cost and schedule performance against the baseline for such dismantlement and disposal established pursuant
to subsection (a), including a description of and ex-
planation for any variance from such baseline.

“(3) A description of the amounts requested, or
intended or estimated to be requested, for such dis-
mantlement and disposal for each of the following:

“(A) Each fiscal year covered by the future-
years defense program.

“(B) Any fiscal years before the fiscal years
covered by the future-years defense program.

“(C) Any fiscal years after the end of the
period of the future-years defense program.

“(c) Future-years Defense Program Defined.—
In this section, the term ‘future-years defense program’
means the future-years defense program required by section
221 of this title.”.

(b) Clerical Amendment.—The table of sections at
the beginning of chapter 633 of such title is amended by
adding at the end the following new item:

“7320. Nuclear-powered aircraft carriers; dismantlement and disposal.”.

SEC. 1016. NATIONAL DEFENSE SEALIFT FUND.

Section 2218(f)(3)(C) of title 10, United States Code,
is amended by striking “two foreign constructed ships” and
inserting “seven foreign constructed ships during the period
beginning with fiscal year 2019 and ending with fiscal year
2030”.

† HR 5515 PAP
SEC. 1017. LIMITATION ON USE OF FUNDS FOR RETIREMENT OF HOSPITAL SHIPS.

(a) LIMITATION.—Except as provided in subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the Navy may be obligated or expended to retire, prepare to retire, transfer, or place in storage any hospital ship.

(b) WAIVER.—The Secretary of the Navy may waive the limitation in subsection (a) with respect to a hospital ship if the Secretary certifies to the congressional defense committees that the Secretary has—

(1) identified a replacement capability, and the necessary quantity of systems, to meet all hospital ship requirements of the combatant commands that are currently being met by such hospital ship;

(2) achieved initial operational capability of all systems described in paragraph (1); and

(3) deployed a sufficient quantity of systems described in paragraph (1) that have achieved initial operational capability in order to continue to meet or exceed all requirements of the combatant commands that are currently being met by such hospital ship.
Subtitle C—Counterterrorism

SEC. 1021. EXTENSION OF PROHIBITION ON USE OF FUNDS FOR TRANSFER OR RELEASE OF INDIVIDUALS DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA, TO THE UNITED STATES.

Section 1033 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by striking “December 31, 2018” and inserting “December 31, 2019”.

SEC. 1022. EXTENSION OF PROHIBITION ON USE OF FUNDS TO CONSTRUCT OR MODIFY FACILITIES IN THE UNITED STATES TO HOUSE DETAINEEs TRANSFERRED FROM UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA.

Section 1034(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by striking “December 31, 2018” and inserting “December 31, 2019”.
SEC. 1023. EXTENSION OF PROHIBITION ON USE OF FUNDS
   FOR TRANSFER OR RELEASE OF INDIVIDUALS
   DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA, TO CERTAIN
   COUNTRIES.

   Section 1035 of the National Defense Authorization
   Act for Fiscal Year 2018 (Public Law 115–91) is amended
   by striking “December 31, 2018” and inserting “December
   31, 2019”.

SEC. 1024. EXTENSION OF PROHIBITION ON USE OF FUNDS
   TO CLOSE OR RELINQUISH CONTROL OF
   UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA.

   Section 1036 of the National Defense Authorization
   Act for Fiscal Year 2018 (Public Law 115–91) is amended
   inserting “or 2019” after “fiscal year 2018”.

SEC. 1025. AUTHORITY TO TRANSFER INDIVIDUALS DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA, TO THE UNITED STATES TEMPORARILY FOR EMERGENCY OR CRITICAL MEDICAL TREATMENT.

   (a) Temporary Transfer for Medical Treatment.—Notwithstanding section 1033 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), as amended by section 1021 of this Act, or any similar provision of law enacted after September 30, 2015,
the Secretary of Defense may, after consultation with the
Secretary of Homeland Security, temporarily transfer an
individual detained at Guantanamo to a Department of
Defense medical facility in the United States for the sole
purpose of providing the individual medical treatment if
the Secretary of Defense determines that—

(1) the medical treatment of the individual is
necessary to prevent death or imminent significant
injury or harm to the health of the individual;

(2) the necessary medical treatment is not avail-
able to be provided at United States Naval Station,
Guantanamo Bay, Cuba, without incurring excessive
and unreasonable costs; and

(3) the Department of Defense has provided for
appropriate security measures for the custody and
control of the individual during any period in which
the individual is temporarily in the United States
under this section.

(b) LIMITATION ON EXERCISE OF AUTHORITY.—The
authority of the Secretary of Defense under subsection (a)
may be exercised only by the Secretary of Defense or another
official of the Department of Defense at the level of Under
Secretary of Defense or higher.
(c) CONDITIONS OF TRANSFER.—An individual who is temporarily transferred under the authority in subsection (a) shall—

(1) while in the United States, remain in the custody and control of the Secretary of Defense at all times; and

(2) be returned to United States Naval Station, Guantanamo Bay, Cuba, as soon as feasible after a Department of Defense physician determines, in consultation with the Commander, Joint Task Force-Guantanamo Bay, Cuba, that any necessary follow-up medical care may reasonably be provided the individual at United States Naval Station, Guantanamo Bay.

(d) STATUS WHILE IN UNITED STATES.—An individual who is temporarily transferred under the authority in subsection (a), while in the United States—

(1) shall be deemed at all times and in all respects to be in the uninterrupted custody of the Secretary of Defense, as though the individual remained physically at United States Naval Station, Guantanamo Bay, Cuba;

(2) shall not at any time be subject to, and may not apply for or obtain, or be deemed to enjoy, any right, privilege, status, benefit, or eligibility for any
benefit under any provision of the immigration laws
(as defined in section 101(a)(17) of the Immigration
and Nationality Act (8 U.S.C. 1101(a)(17)), or any
other law or regulation;

(3) shall not be permitted to avail himself of any
right, privilege, or benefit of any law of the United
States beyond those available to individuals detained
at United States Naval Station, Guantanamo Bay;
and

(4) shall not, as a result of such transfer, have
a change in any designation that may have attached
to that detainee while detained at United States
Naval Station, Guantanamo Bay, pursuant to the
Authorization for Use of Military Force (Public Law
107–40), as determined in accordance with applicable
law and regulations.

(e) NO CAUSE OF ACTION.—Any decision to transfer
or not to transfer an individual made under the authority
in subsection (a) shall not give rise to any claim or cause
of action.

(f) LIMITATION ON JUDICIAL REVIEW.—

(1) LIMITATION.—Except as provided in para-
graph (2), no court, justice, or judge shall have juris-
diction to hear or consider any claim or action
against the United States or its departments, agen-
cies, officers, employees, or agents arising from or relating to any aspect of the detention, transfer, treatment, or conditions of confinement of an individual transferred under this section.

(2) Exception for habeas corpus.—The United States District Court for the District of Columbia shall have exclusive jurisdiction to consider an application for writ of habeas corpus seeking release from custody filed by or on behalf of an individual who is in the United States pursuant to a temporary transfer under the authority in subsection (a). Such jurisdiction shall be limited to that required by the Constitution, and relief shall be only as provided in paragraph (3). In such a proceeding the court may not review, halt, or stay the return of the individual who is the object of the application to United States Naval Station, Guantanamo Bay, Cuba, pursuant to subsection (c).

(3) Relief.—A court order in a proceeding covered by paragraph (2)—

(A) may not order the release of the individual within the United States; and

(B) shall be limited to an order of release from custody which, when final, the Secretary of Defense shall implement in accordance with sec-

(g) NOTIFICATION.—Whenever a temporary transfer of an individual detained at Guantanamo is made under the authority of subsection (a), the Secretary of Defense shall notify the Committees on Armed Services of the Senate and the House of Representatives of the transfer not later than five days after the date on which the transfer is made.

(h) INDIVIDUAL DETAINED AT GUANTANAMO DEFINED.—In this section, the term “individual detained at Guantanamo” means an individual located at United States Naval Station, Guantanamo Bay, Cuba, as of October 1, 2009, who—

(1) is not a national of the United States (as defined in section 101(a)(22) of the Immigration and Nationality Act (8 U.S.C. 1101(a)(22)) or a member of the Armed Forces of the United States; and

(2) is—

(A) in the custody or under the control of the Department of Defense; or

(B) otherwise detained at United States Naval Station, Guantanamo Bay.

(i) APPLICABILITY.—This section shall apply to an individual temporarily transferred under the authority in subsection (a) regardless of the status of any pending or
completed proceeding or detention on the date of the enact-
ment of this Act.

Subtitle D—Miscellaneous
Authorities and Limitations

SEC. 1031. STRATEGIC GUIDANCE DOCUMENTS WITHIN THE
DEPARTMENT OF DEFENSE.

Section 113(g) of title 10, United States Code, is
amended by striking paragraphs (2) through (4) and insert-
ing the following new paragraphs (2) through (4):

“(2)(A) In implementing the requirement in para-
graph (1), the Secretary, with the advice of the Chairman
of the Joint Chiefs of Staff, shall each year provide to the
officials and officers referred in paragraph (1)(A), and sub-
mit to the congressional defense committees, written guid-
ance (to be known as ‘Defense Planning Guidance’) estab-
lishing goals, priorities, and objectives, including fiscal con-
straints, to direct the preparation and review of the pro-
gram and budget recommendations of all elements of the
Department, including—

“(i) the priority military missions of the De-
partment, including the assumed force planning sce-
narios and constructs;

“(ii) the force size and shape, force posture, de-
fense capabilities, force readiness, infrastructure, or-
ganization, personnel, technological innovation, and
other elements of the defense program necessary to support the strategy required by paragraph (1);

“(iii) the resource levels projected to be available for the period of time for which such recommendations and proposals are to be effective; and

“(iv) a discussion of any changes in the strategy required by paragraph (1) and assumptions underpinning the strategy, as required by paragraph (1).

“(B) The guidance required by this paragraph shall be produced in February each year in order to support the planning and budget process. The guidance shall be submitted to the congressional defense committees together with the budget of the President (as submitted to Congress pursuant to section 1105(a) of title 31) for the fiscal year beginning in the year in which such guidance is submitted.

“(3)(A) In implementing the requirement in paragraph (1) and in conjunction with the reporting requirement in section 2687a of this title, the Secretary, with the approval of the President and the advice of the Chairman of the Joint Chiefs of Staff, shall, on the basis provided in subparagraph (E), provide to the officials and officers referred to in paragraph (1)(A), and submit to the congressional defense committees, written guidance (to be known as ‘Contingency Planning Guidance’ or ‘Guidance for Employment of the Force’) on the preparation and review of
contingency and campaign plans, including plans for providing support to civil authorities in an incident of national significance or a catastrophic incident, for homeland defense, and for military support to civil authorities.

“(B) The guidance required by this paragraph shall include the following:

“(i) A description of the manner in which limited existing forces and resources shall be prioritized and apportioned to achieve the objectives described in the strategy required by paragraph (1).

“(ii) A description of the relative priority of contingency and campaign plans, specific force levels, and supporting resource levels projected to be available for the period of time for which such plans are to be effective.

“(C) The guidance required by this paragraph shall include the following:

“(i) Prioritized global, regional, and functional policy objectives that the armed forces should plan to achieve, including plans for deliberate and contingency scenarios.

“(ii) Policy and strategic assumptions that should guide military planning, including the role of foreign partners.
“(iii) Guidance on global posture and global force management.

“(iv) Security cooperation priorities.

“(v) Specific guidance on United States and Department nuclear policy.

“(D) The guidance required by this paragraph shall be the primary source document to be used by the Chairman of the Joint Chiefs of Staff in—

“(i) executing the global military integration responsibilities described in section 153 of this title; and

“(ii) developing implementation guidance for the Joint Chiefs of Staff and the commanders of the combatant commands.

“(E) The guidance required by this paragraph shall be produced every two years, or more frequently as needed.

“(F) The guidance required by this paragraph shall be submitted to the congressional defense committees as required by subparagraph (A) in February of each year in which produced, and shall be accompanied by any written implementation documentation produced by the Chairman of the Joint Chiefs of Staff for purposes of such guidance.

“(4)(A) In implementing the requirement in paragraph (1), the Secretary, with the advice of the Chairman of the Joint Chiefs of Staff, shall each year produce, and
submit to the congressional defense committee, a report (to be known as the ‘Global Defense Posture Report’) that shall include the following:

“(i) A description of major changes to United States forces, capabilities, and equipment assigned and allocated outside the United States, focused on significant alterations, additions, or reductions to such global defense posture that are required to execute the strategy and plans of the Department.

“(ii) A description of the supporting network of infrastructure, facilities, pre-positioned stocks, and war reserve materiel required for execution of major contingency plans of the Department.

“(iii) A list of all enduring locations, including main operating bases, forward operating sites, and cooperative security locations.

“(iv) A description of the status of treaty, access, cost-sharing, and status-protection agreements with foreign nations.

“(v) A summary of the priority posture initiatives for each region by the commanders of the combatant commands.

“(vi) For each military department, a summary of the implications for overseas posture of any force structure changes.
“(vii) A description of the costs incurred outside the United States during the preceding fiscal year in connection with operating, maintaining, and supporting United States forces outside the United States for each military department, broken out by country, and whether for operation and maintenance, infrastructure, or transportation.

“(viii) A description of the amount of direct support for the stationing of United States forces provided by each host nation during the preceding fiscal year.

“(B) The report required by this paragraph shall be submitted to the congressional defense committees as required by subparagraph (A) by not later than April 30 each year.

“(C) In this paragraph, the term ‘United States’, when used in a geographic sense, includes the territories and possessions of the United States”.

SEC. 1032. GUIDANCE ON THE ELECTRONIC WARFARE MISSION AREA AND JOINT ELECTROMAGNETIC SPECTRUM OPERATIONS.

(a) Processes and Procedures for Integration.—The Secretary of Defense shall—

(1) establish processes and procedures to develop, integrate, and enhance the electronic warfare mission
area and the conduct of joint electromagnetic spectrum operations in all domains across the Department of Defense; and

(2) ensure that such processes and procedures provide for integrated defense-wide strategy, planning, and budgeting with respect to the conduct of such operations by the Department, including activities conducted to counter and deter such operations by malign actors.

(b) Designated Senior Official.—

(1) In general.—The Secretary shall designate a senior official of the Department of Defense (in this section referred to as the “designated senior official”) who shall implement and oversee the processes and procedures established under subsection (a). The designated senior official shall be designated by the Secretary from among individuals serving in the Department at or below the level of Under Secretary of Defense. The designated senior official shall oversee and chair the cross-functional team established pursuant to subsection (c) and the Electronic Warfare Executive Committee established in March 2015.

(2) Responsibilities.—The designated senior official shall have, with respect to the implementation and oversight of the processes and procedures estab-
lished under subsection (a), the following responsibilities:

(A) Development of a strategic framework for the conduct and execution of the electronic warfare mission area and joint electromagnetic spectrum operations by the Department, coordinated across all relevant elements of the Department, including both near-term and long-term guidance for the conduct of such operations.

(B) Oversight of resource management for the development and integration of electronic warfare capabilities of the Department.

(3) Annual Certification on Budgeting for Certain Capabilities.—Each budget for fiscal years 2020 through 2024 submitted by the President to Congress pursuant to section 1105(a) of title 31, United States Code, shall include a certification by the senior designated official, as chair of the Electronic Warfare Executive Committee, whether sufficient funds are requested in such budget for anticipated activities in such fiscal year for each of the following:

(A) The development of an Electromagnetic Battle Management capability for joint electromagnetic spectrum operations.
(B) The establishment and operation of associated Joint Electromagnetic Spectrum Operations cells.

(c) CROSS-FUNCTIONAL TEAM FOR ELECTRONIC WARFARE.—

(1) ESTABLISHMENT REQUIRED.—The Secretary shall, in accordance with section 911(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2345; 10 U.S.C. 111 note), establish a cross-functional team for electronic warfare in order to identify gaps in electronic warfare capabilities and capacities within the Department across personnel, procedural, and equipment areas.

(2) SPECIFIC DUTIES.—The cross-functional team established pursuant to paragraph (1) shall provide recommendations to address gaps identified as described in that paragraph to the senior designated official.

(d) PLANS AND REQUIREMENTS FOR ELECTRONIC WARFARE.—

(1) IN GENERAL.—The Secretary shall require the designated senior official to task the cross-functional team established pursuant to subsection (c) to develop requirements and specific plans for address-
ing personnel and capability gaps in the electronic
warfare mission area, and plans for future warfare in
that domain (including a roadmap for the next five
years).

(2) **Update of Strategy.**—Not later than 180
days after the date of the enactment of this Act, the
cross-functional team shall—

(A) update the strategy of the Department
of Defense titled “The DOD Electronic Warfare
Strategy” and dated June 2017 to include the
roadmap referred to in paragraph (1); and

(B) submit the updated strategy to the des-
ignated senior official for transmittal to the con-
gressional defense committees.

(3) **Elements.**—The requirements and plans de-
developed by the cross-functional team pursuant to
paragraph (1) shall include the following:

(A) An accounting of the efforts undertaken
in support of the strategy referred to in para-
graph (2)(A) since its issuance in June 2017.

(B) A description of any updates or changes
to the strategy since its issuance, and a descrip-
tion of any anticipated updates or changes to the
strategy as a result of the designation of the des-
ignated senior official.

(D) An assessment of the capability of joint forces to conduct joint electromagnetic spectrum operations against near-peer adversaries and any capability or capacity gaps in such capability that need to be addressed, including an assessment of the ability of joint forces to conduct coordinated military operations to exploit, attack, protect, and manage the electromagnetic environment in the Signals Intelligence, Electronic Warfare, and Spectrum Management mission areas.

(E) A review of the roles of offices within the Joint Staff, the Office of the Secretary of Defense, and the combatant commands with primary responsibility for joint electromagnetic spectrum policy and operations.

(F) A description of any assumptions about the roles and contributions of the Department, in coordination with other departments and agencies of the United States Government, with respect to the strategy.
(G) A description of actions, performance metrics, and projected timelines for achieving key capabilities for electronic warfare and joint electromagnetic spectrum operations to correspond to the four thematic goals identified in the strategy and as addressed by the roadmap.

(H) An analysis of any personnel, resourcing, capability, authority, or other gaps to be addressed in order to ensure effective implementation of the strategy across all relevant elements of the Department, including an update on each of the following:

(i) The development of an Electromagnetic Battle Management capability for joint electromagnetic spectrum operations.

(ii) The establishment and operation of Joint Electromagnetic Spectrum Operations cells at critical combatant command locations.

(I) An investment framework and projected timeline for addressing any gaps described by subparagraph (H).

(J) In consultation with the Director of the Defense Intelligence Agency—
(i) a comprehensive assessment of the electronic warfare capabilities of the Russian Federation and People’s Republic of China;

(ii) a review of vulnerabilities with respect to electronic systems, such as the Global Positioning System, and in Department-wide abilities to conduct countermeasures in response to electronic warfare attacks; and

(iii) a holistic study of all aspects of the manner in which the Russian Federation and the People’s Republic of China develop electronic warfare doctrine, with order of battle across multiple domains, and long-term research trends of each country in connection with such warfare.

(K) Such other matters as the Secretary considers appropriate.

(4) Periodic Status Reports.—Not later than 90 days after the requirements and plans required by paragraph (1) are submitted in accordance with paragraph (2), and every 90 days thereafter during the three-year period beginning on the date such plans and requirements are first submitted in accordance with paragraph (2), the designated senior offi-
cial shall submit to the congressional defense committees a report describing the status of the efforts of the Department in accomplishing the tasks specified in subparagraphs (B) and (G) of paragraph (3).

(e) **Training and Education.**—Consistent with the elements under subsection (d)(3) of the plans and requirements required by subsection (d)(1), the cross-functional team established pursuant to subsection (c) shall provide the senior designated official recommendations for programs to provide training and education to such members of the Armed Forces and civilian employees of the Department as the Secretary considers appropriate in order to ensure that such members and employees understand the roles and vulnerabilities associated with electronic warfare and dependence on the electromagnetic spectrum.

**SEC. 1033. LIMITATION ON USE OF FUNDS FOR UNITED STATES SPECIAL OPERATIONS COMMAND GLOBAL MESSAGING AND COUNTER-MESSAGING PLATFORM.**

None of the funds authorized to be appropriated by this Act may be used for United States Special Operations Command’s Global Messaging and Counter-Messaging platform until the Secretary of Defense submits to the congressional defense committees a report containing the following elements:
(1) A review of the doctrine, organization, training, materiel, leadership and education, personnel and facilities applicable to military information support personnel, including, at a minimum—

(A) an assessment of current doctrine, organization, training, materiel, leadership and education, personnel and facilities; and

(B) recommended changes for enhancing the ability of military information support personnel to operate effectively in the current and future information environment.

(2) An implementation plan for the establishment of the platform, including a timeline for achieving initial and full operational capability.

(3) A description of the budget requirements for the platform to reach full operational capability, including an identification and cost of any infrastructure and equipment requirements.

(4) A summary of costs to operate and sustain the platform across the future year’s defense plan.

(5) An explanation of the Secretary’s guidance to the combatant commands to ensure unity of effort and prevent the proliferation of messaging and counter-messaging platforms.
(6) A detailed description of the processes for deconfliction and, where possible, integration of platform planning and activities with those of relevant departments and agencies of the United States Government, including the Department of State’s Global Engagement Center.

(7) An identification of any additional authorities that may be required for achieving full operational capability of the platform.

(8) Any other matters deemed relevant by the Secretary.

SEC. 1034. SENSE OF CONGRESS ON THE BASING OF KC–46A AIRCRAFT OUTSIDE THE CONTINENTAL UNITED STATES.

(a) FINDING.—Congress finds that the Department of Defense is continuing its process of permanently stationing KC–46A aircraft at installations in the continental United States (CONUS) and forward-basing outside the continental United States (OCONUS).

(b) SENSE OF CONGRESS.—It is the sense of Congress that the Secretary of the Air Force, as part of the strategic basing process for KC–46A aircraft, should continue to place emphasis on and consider the benefits derived from locations outside the continental United States that—
(1) support day-to-day air refueling operations, operations plans of the combatant commands, and flexibility for contingency operations, and have—
(A) a strategic location that is essential to the defense of the United States and its interests;
(B) receivers for boom or probe-and-drogue training opportunities with joint and international partners; and
(C) sufficient airfield and airspace availability and capacity to meet requirements; and

(2) possess facilities that—
(A) take full advantage of existing infrastructure to provide—
(i) runway, hangars, and aircrew and maintenance operations; and
(ii) sufficient fuels receipt, storage, and distribution capacities for a 5-day peacetime operating stock; and
(B) minimize overall construction and operational costs.

SEC. 1035. RELINQUISHMENT OF LEGISLATIVE JURISDICTION OF CRIMINAL OFFENSES COMMITTED BY JUVENILES ON MILITARY INSTALLATIONS.

(a) In General.—In the case of any military installation or portion of a military installation of which exclu-
sive legislative jurisdiction of criminal offenses committed
by juveniles is retained by the United States as of the date
of the enactment of this Act, the Secretary concerned shall
seek to relinquish to the State, Commonwealth, territory,
or possession concerned legislative jurisdiction of such of-
fenses such that the United States and the State, Common-
wealth, territory, or possession, as the case may be, have
concurrent legislative jurisdiction of such offenses.

(b) MANNER OF RELINQUISHMENT.—Legislative juris-
diction shall be relinquished pursuant to subsection (a) in
the manner provided in section 2683(a) of title 10, United
States Code.

(c) DEADLINE.—The Secretaries concerned shall, to the
extent practicable, complete relinquishment of legislative ju-
risdiction pursuant to subsection (a) by not later than one
year after the date of the enactment of this Act.

(d) REPORTS.—

(1) IN GENERAL.—Not later than 15 months
after the date of the enactment of this Act, each Sec-
retary concerned shall submit to Congress a report on
the relinquishment of legislative jurisdiction pursuant
to subsection (a).

(2) ELEMENTS.—The report of a Secretary
under this subsection shall include the following:
(A) A list of the installations or portions of installations under the jurisdiction of the Secretary of which exclusive legislative jurisdiction of criminal offenses committed by juveniles is retained by the United States as of the date of the enactment of this Act.

(B) A list of the installations or portions of installations listed pursuant to subparagraph (A) for which legislative jurisdiction was relinquished pursuant to subsection (a) as of the date that is one year after the date of the enactment of this Act.

(C) A list of the installations or portions of installations listed pursuant to subparagraph (A) for which legislative jurisdiction was not relinquished pursuant to subsection (a) as of the date that is one year after the date of the enactment of this Act, and, for each such installation or portion of installation, the reasons why such legislative jurisdiction was not so relinquished.

(e) Secretary Concerned Defined.—In this section, the term “Secretary concerned” has the meaning given that term in section 101(a)(9) of title 10, United States Code.
SEC. 1036. POLICY ON RESPONSE TO JUVENILE-ON-JUVENILE ABUSE COMMITTED ON MILITARY INSTALLATIONS.

(a) IN GENERAL.—The Secretary of Defense shall establish a policy, applicable across the military installations of the Department of Defense (including installations outside the United States), on the response of the Department to allegations of juvenile-on-juvenile abuse on military installations. The policy shall be designed to ensure a consistent, standardized response to such allegations across the Department.

(b) ELEMENTS.—The policy required by this section shall provide for the following:

(1) Any report or other allegation of juvenile-on-juvenile abuse on a military installation that is received by the installation commander, a law enforcement organization, a Family Advocacy Program, a child development center, or a Department school operating on the installation or otherwise under Department administration for the installation shall be reviewed by the Family Advocacy Program of the installation.

(2) Personnel of Family Advocacy Programs conducting reviews shall have appropriate training and experience in working with juveniles.
(3) Family Advocacy Programs conducting reviews shall conduct a multi-faceted, multi-disciplinary review and recommend treatment, counseling, or other appropriate interventions for complainants and respondents.

(4) Each review shall be conducted—

(A) with full involvement of appropriate authorities and entities, including parents or legal guardians of the juveniles involved (if practicable); and

(B) to the extent practicable, in a manner that protects the sensitive nature of the incident concerned, using language appropriate to the treatment of juveniles in written policies and communication with families.

(5) The requirement for investigation of a report or other allegation shall not be deemed to terminate or alter any otherwise applicable requirement to report or forward the report or allegation to appropriate Federal, State, or local authorities as possible criminal activity.

(6) There shall be established and maintained a centralized database of information on each incident of abuse that is reviewed by a Family Advocacy Program under this section, with—
(A) the information in such database kept
strictly confidential; and

(B) because the information involves alleged
conduct by juveniles, additional special pre-
cautions taken to ensure the information is
available only to persons who require access to
the information.

(7) There shall be entered into the database, for
each substantiated or unsubstantiated incident of
abuse, appropriate information on the incident, in-
cluding—

(A) a description of the allegation;

(B) whether or not the review is completed;

(C) whether or not the incident was subject
to an investigation by a law enforcement organi-
zation or entity, and the status and results of
such investigation; and

(D) whether or not action was taken in re-
response to the incident, and the nature of the ac-
tion, if any, so taken.
Subtitle E—Studies and Reports

SEC. 1041. REPORT ON HIGHEST-PRIORITY ROLES AND MISSIONS OF THE DEPARTMENT OF DEFENSE AND THE ARMED FORCES.

(a) Sense of Senate.—It is the sense of the Senate that—

(1) the National Defense Strategy correctly characterizes the leading strategic challenges facing the United States as the reemergence of great power competition, the erosion of the United States military technological advantage, enduring violent extremism and instability in the broader Middle East and Africa, and continued uncertainty in the United States about the availability of sufficient resources for national defense;

(2) the National Defense Strategy correctly prioritizes the development of a more lethal joint force that is ready to deter and, if necessary, defeat aggression by great power competitors with advanced military capabilities, while conducting counterterrorism operations in a more sustainable manner, together with allies and partners;

(3) the National Defense Strategy, and the implications of the Strategy for the size, structure, shape, roles, missions, and employment of the joint
force, was not completed in time to inform fully the
budget of the President for national defense for fiscal
year 2019;

(4) many Department of Defense programs of
record are upgraded replacements of legacy systems
that were not premised on the assumption that future
conflict could occur in highly-contested environments
against militarily advanced near-peer rivals;

(5) considerable growth in the size of the mili-
tary will not be possible without growth in the budget,
because the current future-years defense program as-
sumes that defense spending after fiscal year 2019
will only increase at the rate of inflation, while costs
for two of the largest drivers of costs for the Depart-
ment, namely military personnel and operation and
maintenance, continue to grow faster than the rate of
inflation;

(6) the Senate strongly supports the pursuit by
the Department of budgetary savings through internal
reform and efficiencies, but notes that previous at-
ttempts to generate additional resources through such
mechanisms did not generate resources as planned;

(7) increased force modernization investments
must be based on a rigorous reassessment of whether
current programs will meet present and future
warfighting requirements against near-peer rivals that are making rapid military technological advancements;

(8) the Department must conduct further analytical work in order—

(A) to facilitate the implementation of the National Defense Strategy, as recommended by the Commission on the National Defense Strategy; and

(B) to provide Congress with a more rigorous understanding of; and justification for, future requests for resources to organize, train and equip, and employ the Armed Forces; and

(9) the Senate encourages the Secretary of Defense to refine the National Defense Strategy into more specific operational tasks and force planning scenarios that the joint force must be ready and able to perform in order to facilitate a better understanding of joint force development priorities and the roles and missions of each Armed Force.

(b) REPORT ON ROLES AND MISSIONS.—

(1) REPORT REQUIRED.—Not later than February 1, 2019, the Secretary of Defense shall submit to the congressional defense committees a report setting forth a re-evaluation of the highest priority mis-
sions of the Department of Defense, and of the roles
of the Armed Forces in the performance of such mis-
sions.

(2) GOALS.—The goals of the re-evaluation re-
quired for purposes of the report shall be as follows:

(A) To support implementation of the Na-
tional Defense Strategy.

(B) To optimize the effectiveness of the joint
force.

(C) To inform the preparation of future de-
fense program and budget requests by the Sec-
retary, and the consideration of such requests by
Congress.

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

(1) A detailed description of the pacing threats
for each Armed Force, and for special operations
forces, and an assessment of the manner in which
such pacing threats determine the primary role of
each Armed Force, and special operations forces, in-
cluding the connection between key operational tasks
required by contingency plans.

(2) A specific requirement for the size and com-
position of each Armed Force, including the following:
(A) The required total end strength and force structure by type for the Army.

(B) The required fleet size of the Navy, identified by class of ships and the corresponding total end strength requirement once that fleet size is achieved.

(C) The required number of operational Air Force squadrons, identified by function and the corresponding total end strength requirement once that number of squadrons is achieved.

(D) The required total end strength and force structure by type for the Marine Corps.

(E) The force sizing construct used to determine the end strength requirements covered by subparagraphs (A) through (D), the year-by-year plan for achieving such requirements, relevant force posture assumptions, and the associated military personnel costs of such plan.

(3) A re-evaluation of the roles of the Armed Forces in performing low-intensity missions, such as counterterrorism and security force assistance, including the following:

(A) An assessment whether the joint force would benefit from having one Armed Force dedicated primarily to low-intensity missions,
thereby enabling the other Armed Forces to focus more exclusively on advanced peer competitors.

(B) A detailed description of, and accompanying justification for, the total amount of forces required to perform the security force assistance mission and the planned geographic employment of such forces.

(C) A revalidation of the Army plan to construct six Security Force Assistant Brigades, and an assessment of the impact, if any, of such plan on the capability of the Army to perform its primary roles under the National Defense Strategy.

(D) An assessment whether the security force assistance mission would be better performed by the Marine Corps, and an assessment of the end strength and force composition changes, if any, required for the Marine Corps to assume such mission.

(4) A reassessment of the roles and missions of the total ground forces, both Army and Marine Corps, to execute the National Defense Strategy, including the following:

(A) A detailed description of the allocation of roles for the Army and Marine Corps in deter-
ring and waging war against advanced peer
competitors that can complement the activities and investments of each such Armed Force and optimize the capabilities of each such Armed Force.

(B) A detailed description of the appropriate balance and mix of Army force structure, including light infantry, mechanized infantry, armor, air defense, fires, engineers, aviation, signals, and logistics, that is required to perform the roles and missions of the Army against its pacing threats.

(C) A detailed description of the modernized capabilities and concepts to be developed by the Army to contribute to joint force operations against advanced peer competitors, including the manner in which Army aviation will evolve in light of unmanned aerial vehicle technology.

(D) A revalidation of the requirement for ground force modernization efforts, including the Joint Light Tactical Vehicle, Future Vertical Lift, and Mobile Protected Fires, that are not optimized for conflict between the United States and advanced peer competitors.
(E) A detailed description of requirements for Army forces needed to support theater operations.

(5) An assessment, based on operational plans, of the ability of power projection platforms to survive and effectively perform the highest priority operational missions described in the National Defense Strategy, including the following:

(A) An assessment of the feasibility of the current plans and investments by the Navy and Marine Corps to operate and defend their sea bases in contested environments.

(B) An assessment whether amphibious forced entry operations against advanced peer competitors should remain an enduring mission for the joint force considering the stressing operational nature and significant resource requirements of such mission.

(C) An assessment whether a transition from large-deck amphibious ships to small aircraft carriers would result in a more lethal and survivable Marine Corps sea base that could accommodate larger numbers of more diverse strike aircraft.
(D) An assessment of the manner in which an acceleration of development and fielding of longer-range, unmanned, carrier-suitable strike aircraft could better meet operational requirements and alter the requirement for shorter-range, manned tactical fighter aircraft.

(E) An assessment of the manner in which the emerging technology to operate large numbers of low-cost, autonomous, attributable systems in the air, on and under the sea, on land, and in space could change the manner in which the joint force projects power globally.

(6) An assessment, based on operational plans, of the ability of manned, stealthy, penetrating strike platforms to survive and perform effectively the highest priority operational missions described in the National Defense Strategy, including the following:

(A) An assessment whether anticipated advances in stealth technology and the employment of such technology on existing or developmental systems, such as the F–35 and B–21 aircraft, can be expected to outpace and overmatch adversary capabilities to detect and target such systems.
(B) An assessment of the ability of fourth generation aircraft with advanced sensors and weapons to perform certain missions equally or more effectively than the missions assigned to, or envisioned for, fifth-generation penetrating strike platforms.

(C) An assessment of the manner in which the emerging technology to operate large numbers of low-cost, autonomous, attributable systems in the air, on and under the sea, on land, and in space could obviate or reduce the requirement for penetrating strike platforms.

(7) A re-evaluation of the most effective and efficient means for the joint force to perform the air superiority mission in both contested and uncontested environments, including the following:

(A) An assessment of the ability to achieve air superiority from other domains, including with land-based systems, naval systems, undersea systems, space-based systems, electronic warfare systems, or cyber capabilities.

(B) A validation of the envisioned operational and cost effectiveness of the Penetrating Counter-Air platform, and of the requirement for
developing this system as part of the Air Force
Next Generation Air Dominance program.

(C) A detailed description of the optimal
mix across the joint force of fourth-generation
and fifth-generation fighter aircraft, bomber air-
craft, and Next Generation Air Dominance sys-
tems to fulfill operational demands for air supe-
riority.

(D) A detailed description of the manner in
which the joint force will perform the mission of
light aerial attack in uncontested environments
to support counterterrorism and security force
assistance missions, and the mission of coun-
tering violent extremism operations, at the lowest
cost to the readiness of advanced, multirole com-
bat aircraft.

(E) A determination of what Armed Force,
in addition to the Air Force, should have a role
in the mission of light air attack in uncontested
environments.

(8) A reevaluation of the roles and missions of
the joint special operations enterprise, including the
following:

(A) A detailed assessment whether the joint
special operations enterprise is currently per-
forming too many missions worldwide, and whether any such missions could be performed adequately and more economically by conventional units.

(B) A detailed assessment whether the global allocation of special operations forces, and especially the most capable units, is aligned to the pacing threats and priority missions of the National Defense Strategy.

(C) A detailed description of the changes required to align the joint special operations enterprise more effectively with the National Defense Strategy.

(9) An assessment of the manner in which increased use of the space domain should revise or reallocate the requirements of the joint force, including the following:

(A) A detailed description of the missions, including joint moving target indication, air battle management, and missile and aircraft tracking and targeting, that could be performed more effectively from space-based platforms due to emerging technology and operational requirements.
(B) An assessment of the manner in which the joint force can take advantage of the development and deployment of disaggregated commercial satellite Internet constellations to replace legacy tactical communications networks and devices and achieve multi-domain command and control more effectively and at lower cost.

(C) An assessment of the manner in which to ensure that the joint force has access to technologies that deliver superior offensive space capabilities and a maneuver advantage to and within the space domain, including reusable launch systems and spacecraft, on-orbit refueling and manufacturing, on-orbit power generation, and exploitation of space minerals and propellants.

(D) A detailed description of the actions to be taken by components of the Department to promote and protect the development of a licit space economy, including the following:

(i) Defense of commercial activities, facilities, and claims.

(ii) Safety of navigation.

(iii) Rescue and recovery.
(iv) Construction and maintenance of public works in Cis-Lunar Space.

(v) Active debris remediation.

(vi) Establishment of an on-orbit national strategic reserve of space minerals and propellants.

(10) A reassessment of the manner in which the joint force will perform the mission of logistics in contested environments, including the following:

(A) A revalidation of the requirement for the KC–46 tanker aircraft, including an assessment of the aerial refueling requirements in contested environments and a greater reliance on distributed systems of systems.

(B) A detailed assessment whether the mission of logistics in contested environments could be better performed by larger numbers of lower-cost, autonomous systems capable of dispersed operations on land, at sea, and in the air.

(C) A detailed assessment whether greater forward stationing of joint force capabilities and personnel would be more operationally effective in performing the contact and blunt missions of the National Defense Strategy.
(d) **FORM.**—The report required in subsection (b) shall be submitted in classified form, and shall include an unclassified summary.

**SEC. 1042. ANNUAL REPORTS BY THE ARMED FORCES ON OUT-YEAR UNCONSTRAINED TOTAL MUNITIONS REQUIREMENTS AND OUT-YEAR INVENTORY NUMBERS.**

(a) **REPORTS REQUIRED.**—Chapter 9 of title 10, United States Code, is amended by inserting after section 222a the following new section:

“§222b. Armed forces: Out-Year Unconstrained Total Munitions Requirements; Out-Year inventory numbers

“(a) **ANNUAL REPORTS.**—At the same time each year that the budget for the fiscal year beginning in such year is submitted to Congress pursuant to section 1105(a) of title 31, the chief of staff of each armed force (other than the Coast Guard) shall submit to the congressional defense committees a report setting forth for such armed force each of the following for such fiscal year, broken out as specified in subsection (b):

“(1) The Out-Year Unconstrained Total Munitions Requirement.

“(2) The Out-Year inventory numbers.
“(b) PRESENTATION.—The Out-Year Unconstrained Total Munitions Requirement and Out-Year inventory numbers for an armed force for a fiscal year pursuant to subsection (a) shall include specific inventory objective requirements for each variant of munitions with respect to each of the following:

“(1) Combat Requirement, broken out by operation plan (OPLAN).

“(2) Current Operation/Forward Presence Requirement.

“(3) Strategic Readiness Requirement.

“(4) Homeland Defense.

“(5) Training and Testing Requirement.

“(6) Total Out-Year Unconstrained Total Munitions Requirement, calculated in accordance with the implementation guidance described in subsection (c).

“(7) Out-year worldwide inventory.

“(c) IMPLEMENTATION GUIDANCE USED.—In submitting information pursuant to subsection (a) for a fiscal year, the chief of staff of each armed force shall describe and explain the munitions requirements process implementation guidance developed by the Under Secretary of Defense for Acquisition and Sustainment and used by such armed force for the munitions requirements process for such armed force for that fiscal year.
“(d) DEFINITIONS.—In this section:

“(1) The term ‘chief of staff’, with respect to the Marine Corps, means the Commandant of the Marine Corps.

“(2) The term ‘Out-Year Unconstrained Total Munitions Requirement’ has the meaning given that term in and for purposes of Department of Defense Instruction 3000.04, or any successor instruction.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 9 of such title is amended by inserting after the item relating to section 222a the following new item:

“222b. Armed forces: Out-Year Unconstrained Total Munitions Requirements; Out-Year inventory numbers.”.

SEC. 1043. COMPREHENSIVE REVIEW OF OPERATIONAL AND ADMINISTRATIVE CHAINS-OF-COMMAND AND FUNCTIONS OF THE DEPARTMENT OF THE NAVY.

(a) IN GENERAL.—The Secretary of the Navy shall conduct a comprehensive review of the operational and administrative chains-of-command and functions of the Department of the Navy.

(b) ELEMENTS.—In conducting the review required by subsection (a), the Secretary shall consider options to do each of the following:
(1) Increase visibility of unit-level readiness at senior levels.

(2) Reduce so-called “double-hatting” and “triple-hatting” commanders.

(3) Clarify organizations responsible and accountable for training and certification at the unit, group, and fleet level.

(4) Simplify reporting requirements applicable to commanding officers.

(c) REPORT.—

(1) In general.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report on the results of the review required by subsection (a). The report shall include the following:

(A) The results of the review, including any findings of the Secretary as a result of the review.

(B) Any organizational changes in operational or administrative chains-of-command or functions of the Department undertaken or to be undertaken by the Secretary in light of the review.

(C) Any recommendations for legislative or administration action with respect to the oper-
ational or administrative chains-of-command or functions of the Department as the Secretary considers appropriate in light of the review.

(2) Form.—The report under this subsection shall be submitted in unclassified form, but may include a classified annex.

SEC. 1044. MILITARY AVIATION READINESS REVIEW IN SUPPORT OF THE NATIONAL DEFENSE STRATEGY.

(a) Report Required.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on military aviation readiness in support of the National Defense Strategy (NDS).

(b) Review for Report Purposes.—

(1) In General.—The report under subsection (a) shall be based on a review conducted for purposes of the report in accordance with this section.

(2) Panel.—The review shall be conducted by a panel consisting of the following:

(A) The Commander of the Air Combat Command, who shall head the panel.

(B) The Commander of the Army Aviation Branch.
(C) The Chief of Naval Air Forces.

(D) The Deputy Commandant of the Marine Corps for Aviation.

(E) Such other personnel of the Department of Defense as the Secretary considers appropriate.

(c) Review Elements.—The review required by subsection (b) shall address the following:

(1) An analysis of the career progression of military pilots and non-pilot aviators, including a comparison between military pilot and non-pilot aviators, on the one hand, and other military specialties, on the other hand, with respect to each of the following:

(A) Tours of duty.

(B) Assignment lengths.

(C) Minimum service commitments.

(D) Professional performance evaluation systems.

(E) Statutory and administrative promotion processes.

(2) An analysis of aircrew aviation training for various aircraft platforms, including—

(A) an historical analysis, covering the past 15 years, of first and second assignment total
flight hours and model-specific flight hours for
military pilots and non-pilot aviators; and

(B) an analysis of the flight hour program
in order to determine the appropriate level of re-
quired monthly flight hours and sorties to main-
tain currency (minimum safe level) and pro-
ficiency (minimum level to be tactically com-
petent).

(3) An analysis of the effect of recent operational
deployments on the ability of military pilots and
non-pilot aviators to build and maintain readiness
for potential threats from a near-peer adversary, in-
cluding—

(A) a comparison of rates of simulator
usage for military pilots and non-pilot aviators
within and not within the pre-deployment train-
ing window; and

(B) an assessment of the suitability of
training curriculum to address high-end combat
operations against a near-peer adversary.

(4) An analysis of aviation squadron size and
composition, including—

(A) individual unit-level aircraft allocation;

(B) aviation platform-specific force struc-
ture; and
(C) quantity of squadrons within each aviation platform.

(5) An analysis of aviation squadron manning documents on appropriate levels and composition of military pilots, non-pilot aviators, and non-aircrew for each squadron in support of the most current National Defense Strategy, including a consideration of—

(A) appropriate levels and composition of military pilots, non-pilot aviators, and non-aircrew for each squadron in support of such National Defense Strategy;

(B) flight-related workload compared with non-flight related workload for military pilots and non-pilot aviators;

(C) the number of different aircraft platforms to which enlisted maintenance personnel are expected to be assigned throughout a typical career; and

(D) career training milestones for enlisted maintenance personnel, and the effects of such milestones on military aviation readiness.

(6) An analysis of logistics programs in support of military aviation readiness, including—
(A) an evaluation of any shortfalls in logistics programs that serve as contributing factors to both military pilot retention and overall readiness of military aviation units;

(B) an analysis of aircraft parts cannibalization rates;

(C) a determination of average mission capable ratings for aircraft throughout the various stages of the deployment cycle;

(D) an analysis of rates of reassignment of aircraft from non-deploying units to deploying units; and

(E) an identification of individual aircraft communities, if any, with strained supply chains with single-source suppliers.

SEC. 1045. REPORT ON CAPABILITIES AND CAPACITIES OF ARMORED BRIGADE COMBAT TEAMS.

(a) In General.—Not later than 60 days after the date of the enactment of this Act, the Secretary of the Army shall submit to the congressional defense committees a report on the capabilities and capacities of Armored Brigade Combat Teams (ABCTs).

(b) Elements.—The report required under subsection (a) shall include the following:
(1) A description of the total number of Armored Brigade Combat Teams required to support the National Defense Strategy (NDS).

(2) A description of the manner in which the Army plans to equip and field future Armored Brigade Combat Teams.

(3) A description of the total number of mechanized infantry companies required in support of the Armored Brigade Combat Teams.

(4) A description of steps being taken to improve the number and quality of live-fire gunnery exercises executed each year, including improving execution of battalion and brigade-level combined arms live-fire exercises both at home station and at the Combat Training Centers.

(5) A description of training being conducted to train Armored Brigade Combat Teams in combined arms for air defense and to counter unmanned aerial vehicles with organic weapons and tactics.

(6) A plan to improve personnel preparedness by the reduction of non-deployable soldiers and improvements in combat vehicle crew stability and material readiness of key combat systems.
(7) A description of deficiencies in repair parts and number of qualified mechanics, and a plan to correct such deficiencies.

(8) A plan for the modernization of the Armored Brigade Combat Teams.

SEC. 1046. IMPROVEMENT OF ANNUAL REPORT ON CIVILIAN CASUALTIES IN CONNECTION WITH UNITED STATES MILITARY OPERATIONS.

(a) MODIFICATION AND EXPANSION OF ELEMENTS.—Subsection (b) of section 1057 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended—

(1) in paragraph (1), by inserting “, including each specific mission, strike, engagement, raid, or incident,” after “military operations”;

(2) in paragraph (2)(E), by inserting before the period at the end the following: “, including a differentiation between those killed and those injured”;

(3) in paragraph (3), by inserting before the period at the end the following: “, and, when appropriate, makes ex gratia payments to the victims or their families”;

(4) by redesignating paragraph (5) as paragraph (6); and
(5) by inserting after paragraph (4) the following new paragraph (5):

“(5) Any update or modification to any report under this section during a previous year.”.

(b) Scope of unclassified form of report.—Subsection (d) of such section is amended by adding at the end the following new sentence: “The unclassified form of each report shall, at a minimum, be responsive to each element under subsection (b) of a report under subsection (a), and shall be made available to the public at the same time it is submitted to Congress (unless the Secretary certifies in writing that the publication of such information poses a threat to the national security interests of the United States).”.

SEC. 1047. REPORT ON DEPARTMENT OF DEFENSE PARTICIPATION IN EXPORT ADMINISTRATION REGULATIONS LICENSE APPLICATION REVIEW PROCESS.

(a) In general.—Not later than 180 days after the enactment of this Act, and every 180 days thereafter until the date that is three years after such date of enactment, the Under Secretary of Defense for Policy shall submit to the congressional defense committees a report on the participation by the Department of Defense in the process for reviewing applications for export licenses under the Export
Administration Regulations as a reviewing agency under Executive Order 12981 (50 U.S.C. 4603 note; relating to administration of export controls).

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

(1) The number of applications for export licenses under the Export Administration Regulations reviewed by the Department of Defense in the 180-day period preceding the submission of the report.

(2) The number of instances during that 180-day period in which the Department disagreed with a final determination made with respect to such an application under the review procedures set forth in Executive Order 12981.

(3) A summary of such instances, including—

(A) a summary of the applicants for such licenses and the recipients of items pursuant to such licenses in such instances;

(B) a description of sensitive technologies involved in such instances; and

(C) a description of the rationale of the Department for disagreeing with such determinations.

(4) The number of such applications under review by the Department or undergoing interagency
dispute resolution as of the date of the submission of
the report.

(c) FORM.—The report required by subsection (a) shall
be submitted in unclassified form but may include a classi-

fied annex.

(d) EXPORT ADMINISTRATION REGULATIONS DE-
FINED.—In this section, the term “Export Administration
Regulations” means subchapter C of chapter VII of title 15,
Code of Federal Regulations.

SEC. 1048. AUTOMATIC SUNSET FOR FUTURE STATUTORY
REPORTING REQUIREMENTS.

(a) IN GENERAL.—Chapter 23 of title 10, United
States Code, is amended by inserting after section 480 the
following new section:

“§480a. Reports to Congress: termination of indefi-
nite-duration reports after three years

“(a) IN GENERAL.—Any provision of law enacted on
or after the date of enactment of this section that includes
an indefinite-duration report requirement shall cease to be
effective, with respect to that requirement, three years after
the date of the enactment of that provision of law unless
that provision of law expressly states that this section is
inapplicable to that requirement or that provision of law.

“(b) INDEFINITE-DURATION REPORT REQUIREMENT
DEFINED.—In this section, the term ‘indefinite-duration re-
quirement’ means a requirement in any provision of law for the Secretary of Defense (or any other officer or employee of the Department of Defense) to submit to Congress (or any committee of Congress) a periodic report for which the law does not—

“(1) state a specific period of time as the period during which that report is required to be submitted or that provision of law is in effect; or

“(2) state a specific termination date for the requirement to submit the report or for that provision of law.

“(c) PERIODIC REPORT DEFINED.—In this section, the term ‘periodic report’ means a report required to be submitted on an annual, semiannual, or other regular periodic basis.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 23 of such title is amended by inserting after the item relating to section 480 the following new item:

“480a. Reports to Congress: termination of indefinite-duration reports after three years.”.


(a) TITLE 10, UNITED STATES CODE.—Title 10, United States Code, is amended as follows:
(1)(A) Section 229, relating to the display of budget information for programs for combating terrorism, is repealed.

(B) The table of sections at the beginning of chapter 9 is amended by striking the item relating to section 229.

(2)(A) Section 231a, relating to budgeting for life-cycle costs of aircraft for the Navy, Army, and Air Force, is repealed.

(B) The table of sections at the beginning of chapter 9 is amended by striking the item relating to section 231a.

(3) Section 2276, relating to commercial space launch cooperation, is amended—

(A) by striking subsection (e); and

(B) by redesignating subsections (f) and (g)

as subsections (e) and (f), respectively.

(4) Section 7310, relating to report on repair of certain vessels in foreign shipyards, is amended by striking subsection (c).

(b) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2007.—Section 1017 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 120 Stat. 2379), relating to obtaining carriage by vessel, is amended—
(1) by striking subsection (e); and

(2) by redesignating subsection (f) as subsection (e).

(c) National Defense Authorization Act for Fiscal Year 2008.—Section 1034(d) of the National Defense Authorization Act for Fiscal Year 2008 (10 U.S.C. 272 note), relating to distribution of chemical and biological agents to non-Federal entities, is amended—

(1) by striking subsection (d); and

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


(1) by striking paragraph (2);

(2) by striking “(d) Formal Review Process for Bandwidth Requirements.—” and all that follows through “(1) In General.—The Secretary” and inserting the following:

“(d) Formal Review Process for Bandwidth Requirements.—The Secretary”; and
(3) by redesignating subparagraphs (A) and (B) as paragraphs (1) and (2), respectively, and indenting appropriately.


(1) by striking subsection (i); and

(2) by redesignating subsection (j) as subsection (i).


(1) by striking subsection (d); and

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

(g) Conforming Amendments.—Section 1061 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. 111 note) is amended—
(1) in subsection (c), by striking paragraphs (14), (16), (41), and (59); (2) in subsection (d), by striking paragraph (3); (3) in subsection (g), by striking paragraph (3); and (4) in subsection (i), by striking paragraphs (15), (18), and (24).

SEC. 1050. REPORT ON POTENTIAL IMPROVEMENTS TO CERTAIN MILITARY EDUCATIONAL INSTITUTIONS OF THE DEPARTMENT OF DEFENSE.

(a) Report Required.—

(1) In general.—Not later than December 1, 2019, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth the results of a review and assessment, obtained by the Secretary for purposes of the report, of the potential effects on the military education provided by the educational institutions of the Department of Defense specified in subsection (b) of the actions described in subsection (c).

(2) Conducting organization.—The review and assessment required for purposes of the report shall be performed by an organization selected by the Secretary from among organizations independent of
the Department that have expertise in the analysis of matters in connection with higher education.

(b) Educational Institutions of the Department of Defense.—The educational institutions of the Department of Defense specified in this subsection are the following:

(1) The senior level service schools and intermediate level service schools (as such terms are defined in section 2151(b) of title 10, United States Code).

(2) The Air Force Institute of Technology.

(3) The National Defense University.

(4) The Joint Special Operations University.

(5) The Army Armament Graduate School.

(6) Any other military educational institution of the Department specified by the Secretary for purposes of this section.

(c) Actions.—The actions described in this subsection with respect to the educational institutions of the Department of Defense specified in subsection (b) are the following:

(1) Modification of admission and graduation requirements.

(2) Reduction or expansion of degree-granting authority.
(3) Reduction or expansion of the acceptance of research grants.

(4) Reduction of the number of attending students generally.

(5) Reduction of the number of attending students through the sponsoring of education of an increased number of students at non-Department of Defense education institutions of higher education.

(6) Increase in the frequency of curriculum changes to account for emerging subject matters of importance to national defense.

(7) Modification of civilian faculty management practices, including employment practices.

(d) ADDITIONAL ELEMENTS.—In addition to the matters described in subsection (a), the review and report under this section shall also include the following:

(1) A comparison of admission standards and graduation requirements of the educational institutions of the Department of Defense specified in subsection (b) with admission standards and graduation requirements of public and private institutions of higher education that are comparable to the educational institutions of the Department of Defense.

(2) A comparison of the goals and missions of the educational institutions of the Department of De-
fense specified in subsection (b) with the goals and
missions of such public and private institutions of
higher education.

(3) Any other matters the Secretary considers
appropriate for purposes of this section.

SEC. 1051. RECRUITING COSTS OF THE ARMED FORCES.

(a) BRIEFING REQUIRED.—Not later than one year
after the date of the enactment of this Act, the Secretary
of Defense shall brief the Committees on Armed Services of
the Senate and the House of Representatives on the results
of a study, conducted by the Secretary for purposes of the
briefing, on the costs of the Armed Forces in recruiting for
members of the Armed Forces.

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

(1) A description of the recruiting costs of each
Armed Force in each of fiscal years 2010 through
2019.

(2) An estimate of the recruiting costs of each
Armed Force in each of fiscal years 2020 through
2024.

(3) A description of the factors that contributed
significantly to the recruiting costs of the Armed
Forces during fiscal years 2010 through 2019.
(4) Any other matters in connection with the recruiting costs of the Armed Forces that the Secretary considers appropriate.

Subtitle F—Other Matters

SEC. 1061. AUTHORITY TO TRANSFER FUNDS FOR BIEN HOA DIOXIN CLEANUP.

(a) Transfer Authority.—Notwithstanding section 2215 of title 10, United States Code, the Secretary of Defense may transfer to the Secretary of State, for use by the United States Agency for International Development, amounts to be used for the Bien Hoa dioxin cleanup in Vietnam.

(b) Limitation on Amounts.—Not more than $15,000,000 may be transferred in each of fiscal years 2019 through 2027 under the authority in subsection (a).

(c) Source of Funds.—The Secretary of Defense may transfer funds appropriated to the Department of Defense for “Operation and Maintenance, Defense-wide” under the authority in subsection (a).

(d) Additional Transfer Authority.—The transfer authority provided under subsection (a) is in addition to any other transfer authority available to the Department of Defense.
SEC. 1062. IMPROVEMENT OF DATABASE ON EMERGENCY RESPONSE CAPABILITIES.


(1) by inserting before “The Secretary” the following: “(a) DATABASE REQUIRED.—”;

(2) in subsection (a), as designated by paragraph (1)—

(A) in paragraph (1)—

(i) by striking “each States’s National Guard, as reported by the States” and inserting “the National Guard of each State and Territory, as reported by the States and Territories”; and

(ii) by inserting “and Territories” after “their home States”; and

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

“(3) Cyber capabilities of the National Guard identified by the Department as critical for response to domestic natural or manmade disasters.

“(4) Cyber capabilities of the other reserve components of the Armed Forces identified by the Depart-
ment as critical for response to domestic natural or
manmade disasters.”; and

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

“(b) INFORMATION REQUIRED TO KEEP DATABASE
CURRENT.—In maintaining the database required by sub-
section (a), the Secretary shall identify and revise the infor-
mation required to be included in the database at least once
every two years for purposes of keeping the database cur-
rent.”.

(b) ESTABLISHMENT OF DATABASE.—

(1) DEADLINE FOR ESTABLISHMENT.—The Sec-
retary of Defense shall establish the database required
by section 1406 of the John Warner National Defense
Authorization Act for Fiscal Year 2007, as amended
by subsection (a), by not later than one year after the
date of the enactment of this Act.

(2) USE OF EXISTING DATABASE OR SYSTEM FOR
CERTAIN CAPABILITIES.—The Secretary may meet the
requirement with respect to the capabilities described
in subsection (a)(1) of section 1406 of the John War-
Year 2007, as so amended, in connection with the
database required by that section through use or
modification of a current database or tracking system
of the Department of Defense if the Secretary determines that such action will—

(A) expedite compliance with the requirement; and

(B) achieve such compliance at a cost not greater than the cost of establishing anew the database otherwise covered by the requirement.

SEC. 1063. ACCEPTANCE AND DISTRIBUTION BY DEPARTMENT OF DEFENSE OF ASSISTANCE FROM CERTAIN NONPROFIT ENTITIES IN SUPPORT OF MISSIONS OF DEPLOYED UNITED STATES PERSONNEL AROUND THE WORLD.

(a) FINDING.—The Senate finds that Spirit of America, a privately-funded, nonpartisan, nonprofit organization, acting in partnership with the Department of Defense, has made an important contribution in supporting the missions of deployed United States personnel around the world.

(b) SENSE OF SENATE.—It is the sense of the Senate that United States military commanders should, consistent with applicable laws, regulations, and guidance developed consistent with section 1088 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), collaborate with and provide transportation and other logistical support to covered non-Federal entities, including
Spirit of America, to advance the military missions of the Armed Forces.

(c) DISTRIBUTION OF COVERED NON-FEDERAL ENTITY ASSISTANCE ABROAD THROUGH DEPARTMENT OF DEFENSE.—

(1) ACCEPTANCE AND COORDINATION OF ASSISTANCE.—The Department of Defense (including members of the Armed Forces) may, at the discretion of the Secretary of Defense and in accordance with guidance issued by the Secretary and developed in coordination with the Secretary of State and the Administrator of the United States Agency for International Development—

(A) accept from any covered non-Federal entity humanitarian, economic, and other non-lethal assistance funded by private funds in the carrying out of the purposes of such entity; and

(B) respond to requests from covered non-Federal entities for the identification of the needs of local populations abroad for assistance, and coordinate with such entities in the provision and distribution of such assistance, in the carrying out of such purposes.

(2) DISTRIBUTION OF ASSISTANCE TO LOCAL POPULATIONS.—In accordance with guidance issued
by the Secretary of Defense, and developed in coordination with the Secretary of State and the Administrator of the United States Agency for International Development, members of the Armed Forces abroad may provide to local populations abroad humanitarian, economic, and other nonlethal assistance provided to the Department by a covered non-Federal entity pursuant to this subsection.

(3) **SCOPE OF GUIDANCE.**—The guidance issued pursuant to this subsection shall ensure that any assistance distributed pursuant to this subsection shall be for purposes of supporting the mission or missions of the Department and the Armed Forces for which such assistance is provided by a covered non-Federal entity.

(4) **DOD SUPPORT FOR ENTITY ACTIVITIES.**—In accordance with guidance issued by the Secretary of Defense, the Department, and the Armed Forces may—

(A) provide transportation, lodging, storage, and other logistical support—

(i) to personnel of a covered non-Federal entity (whether in the United States or abroad) who are carrying out the purposes of such entity; and
(ii) in connection with the acceptance and distribution of assistance provided by a covered non-Federal entity; and

(B) use assets of the Department and the Armed Forces in the provision of support described in subparagraph (A).

(d) COVERED NON-FEDERAL ENTITY DEFINED.—In this section, the term “covered non-Federal entity” means the following:

(1) Spirit of America, a privately-funded, non-partisan, nonprofit organization described in section 501(c)(3) of the Internal Revenue Code of 1986 that is exempt from taxation under section 501(a) of such Code.

(2) Any other organization that—

(A) is based in the United States;

(B) has an independent board of directors and is subject to independent financial audits;

(C) is substantially privately-funded;

(D) is described in section 501(c)(3) of the Internal Revenue Code of 1986 and is exempt from taxation under section 501(a) of such Code; and

(E) provides international assistance.
SEC. 1064. UNITED STATES POLICY WITH RESPECT TO FREEDOM OF NAVIGATION AND OVERFLIGHT.

(a) DECLARATION OF POLICY.—It is the policy of the United States to fly, sail, and operate throughout the oceans, seas, and airspace of the world wherever international law allows.

(b) IMPLEMENTATION OF POLICY.—In furtherance of the policy set forth in subsection (a), the Secretary of Defense should—

(1) plan and execute a robust series of routine and regular air and naval presence missions throughout the world and throughout the year, including for critical transportation corridors and key routes for global commerce;

(2) in addition to the missions executed pursuant to paragraph (1), execute routine and regular air and maritime freedom of navigation operations throughout the year, in accordance with international law, including the use of expanded military options and maneuvers beyond innocent passage; and

(3) to the maximum extent practicable, execute the missions pursuant to paragraphs (1) and (2) with regional partner countries and allies of the United States.
SEC. 1065. PROHIBITION OF FUNDS FOR CHINESE LANGUAGE INSTRUCTION PROVIDED BY A CON-FUCIUS INSTITUTE.

(a) Prohibition.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 under this Act may be obligated or expended for Chinese language instruction provided by a Confucius Institute.

(b) Limitation.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 under this Act may be obligated or expended to support a Chinese language program at an institution of higher education that hosts a Confucius Institute.

(c) Waiver.—The Under Secretary of Defense for Personnel and Readiness may waive the limitation in subsection (b) with respect to a Chinese language program at a specific institution of higher education if the Under Secretary of Defense for Personnel and Readiness—

(1) certifies to the congressional defense committees that—

(A) Confucius Institute employees and instructors will have no affiliation with the program;

(B) Confucius Institute employees and instructors will provide no instruction or support to the program;
(C) Confucius Institute employees and instructors will have no authority or influence with regard to the curriculum and activities of the program; and

(D) the institution has made publicly available all memoranda of understanding, contracts, and other agreements between the institution and the Confucius Institute, or between the institution and any agency of or organization affiliated with the government of the People’s Republic of China; or

(2) certifies to the congressional defense committees that—

(A) the requirements described in subparagraphs (A) through (C) of paragraph (1) have been met; and

(B) the waiver of the limitation in subsection (b) is necessary for national security, and there is no reasonable alternative to issuing the waiver.

(d) DEFINITIONS.—

(1) CHINESE LANGUAGE PROGRAM.—The term “Chinese language program” means any Department of Defense program designed to provide or support Chinese language instruction, including the National
Security Education Program, the Language Flagship program, Project Global Officer, and the Language Training Centers program.

(2) Confucius Institute.—The term “Confucius Institute” means a Confucius Institute that is operated by the Office of Chinese Languages Council International, also known as Hanban, which is affiliated with the Ministry of Education of the People’s Republic of China.

(3) Institution of Higher Education.—The term “institution of higher education” has the meaning given the term in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001 et seq.).

**TITLE XI—CIVILIAN PERSONNEL MATTERS**

**Subtitle A—Department of Defense Matters**

**Sec. 1101. Inapplicability of Certification of Executive Qualifications by Qualification Review Boards of Office of Personnel Management for Initial Appointments to Senior Executive Service Positions in Department of Defense.**

(a) Temporary Inapplicability.—Notwithstanding section 3393(c) of title 5, United States Code, or any regula-
tions implementing that section, and subject to the provi-
sions of this section, the Secretary of Defense may appoint
individuals for service in the Senior Executive Service of
the Department of Defense without such individuals being
subject to the certification of executive qualifications by a
qualification review board of the Office of Personnel Man-
agement in connection with such appointment otherwise re-
quired by that section.

(b) Qualifications of Individuals Appointed.—
The Secretary shall ensure that individuals appointed
under this section possess the necessary qualifications and
experience for the position to which appointed.

(c) Limitation.—The total number of appointments
made under this section in any year may not exceed 50
appointments.

(d) Reports.—

(1) Initial report.—Not later than one year
after the date of the enactment of this Act, the Sec-
retary shall submit to the committees of Congress and
official specified in paragraph (3) a report on the
number and type of appointments made under this
section as of the date of the report, including—

(A) a description of the qualifications of the

individuals appointed; and
(B) data on the time required to appoint the individuals.

(2) **Final Report.**—Not later than two years after the date of the enactment of this Act, the Secretary shall submit to the committees of Congress and official specified in paragraph (3) a report on the use of the authority in this section. The report shall include the following:

(A) The number and type of appointments made under this section during the one-year period ending on the date of the report.

(B) Data on and an assessment whether appointments under the authority in this section reduced the time to hire when compared with the time to hire under the current review system of the Office of Personnel Management.

(C) An assessment of the utility of the appointment authority and process under this section.

(D) An assessment whether the appointments made under this section resulted in higher quality new executives for the Senior Executive Service of the Department when compared with the executives produced under the current review system of the Office of Personnel Management.
(E) Any recommendation for the improvement of the selection and qualification process for the Senior Executive Service of the Department that the Secretary considers necessary in order to attract and hire highly qualified candidates for service in that Senior Executive Service.

(3) Committees of Congress and Official.—The committees of Congress and official specified in this paragraph are—

(A) the Committee on Armed Services and the Committee on Homeland Security and Governmental Affairs of the Senate;

(B) the Committee on Armed Services and the Committee on Oversight and Government Reform of the House of Representatives; and

(C) the Director of the Office of Personnel Management.

(e) Sunset.—Subsection (a) shall cease to be effective on the date that is two years after the date of the enactment of this Act.
SEC. 1102. DIRECT HIRE AUTHORITY FOR SCIENCE AND TECHNOLOGY REINVENTION LABORATORIES AND MAJOR RANGE AND TEST FACILITIES BASE FACILITIES FOR RECENT SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS GRADUATES OF MINORITY-SERVING INSTITUTIONS.

(a) Authority To Make Direct Appointments.—The director of any facility specified in subsection (b) may appoint any qualified recent graduate of a covered educational institution with a degree in science, technology, engineering, or mathematics to a position at such facility described in subsection (d) without regard to the provisions of subchapter I of chapter 33 of title 5, United States Code.

(b) Facilities.—A facility specified in this subsection is any facility as follows:

(1) A science and technology reinvention laboratory of the Department of Defense, as designated pursuant to section 1105(a) of the National Defense Authorization Act for Fiscal Year 2010 (10 U.S.C. 2358 note).

(2) A facility of the Major Range and Test Facilities Base of the Department.

(c) Recent Graduates.—For purposes of this section, a person is a recent graduate of a covered educational institution if—
(1) the person was awarded a degree by the institution not more than two years before the date of the appointment of the person pursuant to this section; or

(2) in the case of any person who has completed a period of obligated service in a uniformed service of more than four years as of the date the appointment of the person pursuant to this section, the person was awarded a degree by the institution not more than four years before such date of appointment.

(d) COVERED POSITIONS.—The positions to which persons may be appointed pursuant to this section at a facility specified in subsection (b) are scientific and engineering positions at the facility.

(e) DURATION OF APPOINTMENT.—Any appointment pursuant to this section may be made on a temporary, term, or permanent basis, at the election of the director of the facility making such appointment.

(f) COVERED EDUCATIONAL INSTITUTION DEFINED.—In this section, the term “covered educational institution” has the meaning given that term in section 2362(e) of title 10, United States Code.

(g) SUNSET.—

(1) IN GENERAL.—The authority to make appointments under this section shall expire on the date
that is five years after the date of the enactment of this Act.

(2) CONSTRUCTION.—Nothing in paragraph (1) shall be construed to terminate an appointment made under this section before the expiration date provided in that paragraph in accordance with the terms of such appointment.

SEC. 1103. INCLUSION OF STRATEGIC CAPABILITIES OFFICE AND DEFENSE INNOVATION UNIT EXPERIMENTAL OF THE DEPARTMENT OF DEFENSE IN PERSONNEL MANAGEMENT AUTHORITY TO ATTRACT EXPERTS IN SCIENCE AND ENGINEERING.

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

“(4) STRATEGIC CAPABILITIES OFFICE.—The Director of the Strategic Capabilities Office may carry out a program of personnel management authority provided in subsection (b) in order to facilitate recruitment of eminent experts in science or engineering for the Office.

“(5) DIUx.—The Director of the Defense Innovation Unit Experimental may carry out a program of personnel management authority provided in sub-
section (b) in order to facilitate recruitment of eminent experts in science or engineering for the Unit.”.

(b) Scope of Appointment Authority.—Subsection (b)(1) of such section is amended—

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

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

“(D) in the case of the Strategic Capabilities Office, appoint scientists and engineers to a total of not more than 5 scientific and engineering positions in the Office; and

“(E) in the case of the Defense Innovation Unit Experimental, appoint scientists and engineers to a total of not more than 5 scientific and engineering positions in the Unit;”.

(c) Extension of Terms of Appointment.—Subsection (c)(2) of such section is amended by striking “or the Office of Operational Test and Evaluation” and inserting “the Office of Operational Test and Evaluation, the Strategic Capabilities Office, or the Defense Innovation Unit Experimental”.

† HR 5515 PAP
SEC. 1104. ENHANCEMENT OF FLEXIBLE MANAGEMENT AUTHORITY FOR SCIENCE AND TECHNOLOGY REINVENTION LABORATORIES OF THE DEPARTMENT OF DEFENSE.

(a) Enhancement of Noncompetitive Conversions of Appointments of Students Enrolled in Scientific and Engineering Programs.—Section 2358a(a)(4) of title 10, United States Code, is amended—

(1) in the paragraph heading, by striking “TO PERMANENT APPOINTMENT” and inserting “OF APPOINTMENTS”; and

(2) by striking “to a permanent appointment” and inserting “to another temporary appointment or to a term or permanent appointment”.

(b) Enhancement of Pilot Program on Dynamic Shaping of Workforce Technical Skills and Expertise.—Section 1109(b)(1)(A) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1028; 10 U.S.C. 2358 note) is amended by striking “to appoint” and all that follows and inserting “to make appointments as follows:

“(i) Appointment of qualified scientific

and technical personnel who are not current

Department of Defense civilian employees

into any scientific or technical position in

† HR 5515 PAP
the laboratory for a period of more than one year but not more than six years.

“(ii) Appointment of qualified scientific and technical personnel who are Department civilian employees in term appointments into any scientific or technical position in the laboratory for a period of more than one year but not more than six years.”.

SEC. 1105. INCLUSION OF OFFICE OF SECRETARY OF DEFENSE AMONG COMPONENTS OF THE DEPARTMENT OF DEFENSE COVERED BY DIRECT HIRE AUTHORITY FOR FINANCIAL MANAGEMENT EXPERTS.

Section 1110(f) of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. 1580 note prec.) is amended—

(1) by redesignating paragraphs (1) through (9) as paragraphs (2) through (10), respectively; and

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

“(1) The Office of the Secretary of Defense.”.

† HR 5515 PAP
SEC. 1106. AUTHORITY TO EMPLOY CIVILIAN FACULTY MEMBERS AT THE JOINT SPECIAL OPERATIONS UNIVERSITY.

Section 1595(c) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(5) The Joint Special Operations University.”.

Subtitle B—Government-Wide Matters

SEC. 1121. ALCOHOL TESTING OF CIVIL SERVICE MARINERS OF THE MILITARY SEALIFT COMMAND ASSIGNED TO VESSELS.

(a) ALCOHOL TESTING.—Chapter 643 of title 10, United States Code, is amended by inserting after section 7479 the following new section:

“§7479a. Civil service mariners of Military Sealift Command: alcohol testing

“The Secretary of the Navy may prescribe regulations establishing a program to conduct on-duty reasonable suspicion alcohol testing and post-accident alcohol testing of civil service mariners of the Military Sealift Command who are assigned to vessels.”.

(b) RELEASE OF ALCOHOL TEST RESULTS.—

(1) IN GENERAL.—Section 7479 of such title is amended—

(A) in the heading of subsection (a), by inserting “OR ALCOHOL” after “DRUG”; and
(B) by inserting “or alcohol” after “drug” each place it appears.

(2) Heading amendment.—The heading of such section is amended to read as follows:

“§ 7479. Civil service mariners of Military Sealift Command: release of drug and alcohol test results to Coast Guard”.

(c) Table of sections amendment.—The table of sections at the beginning of chapter 643 of such title is amended by striking the item relating to section 7479 and inserting the following new items:

“7479. Civil service mariners of Military Sealift Command: release of drug and alcohol test results to Coast Guard,

“7479a. Civil service mariners of Military Sealift Command: alcohol testing.”.

SEC. 1122. EXPEDITED HIRING AUTHORITY FOR COLLEGE GRADUATES AND POST SECONDARY STUDENTS.

(a) In general.—Subchapter I of chapter 31 of title 5, United States Code, is amended by adding at the end the following:

“§ 3115. Expedited hiring authority for college graduates; competitive service

“(a) Definitions.—In this section:

“(1) Director.—The term ‘Director’ means the Director of the Office of Personnel Management.

“(2) Institution of higher education.—The term ‘institution of higher education’ has the meaning
given the term in section 101(a) of the Higher Edu-
cation Act of 1965 (20 U.S.C. 1001(a)).

“(b) APPOINTMENT.—

“(1) IN GENERAL.—The head of an agency may
appoint, without regard to any provision of sections
3309 through 3319 and 3330, a qualified individual
to a position in the competitive service classified in
a professional or administrative occupational cat-
gory at the GS–11 level, or an equivalent level, or
below.

“(2) RESTRICTIONS.—An appointment under
paragraph (1) shall be made in accordance with regu-
lations prescribed by the Director.

“(c) QUALIFICATIONS FOR APPOINTMENT.—The head
of an agency may make an appointment under subsection
(b) only if the individual being appointed—

“(1) has received a baccalaureate or graduate de-
gree from an institution of higher education;

“(2) applies for the position—

“(A) not later than 2 years after the date
on which the individual being appointed received
the degree described in paragraph (1); or

“(B) in the case of an individual who has
completed a period of not less than 4 years of ob-
ligated service in a uniformed service, not later
than 2 years after the date of the discharge or release of the individual from that service; and

“(3) meets each minimum qualification standard prescribed by the Director for the position to which the individual is being appointed.

“(d) PUBLIC NOTICE AND ADVERTISING.—

“(1) IN GENERAL.—The head of an agency making an appointment under subsection (b) shall publicly advertise positions under this section.

“(2) REQUIREMENTS.—In carrying out paragraph (1), the head of an agency shall—

“(A) adhere to merit system principles;

“(B) advertise positions in a manner that provides for diverse and qualified applicants; and

“(C) ensure potential applicants have appropriate information relevant to the positions available.

“(e) LIMITATION ON APPOINTMENTS.—

“(1) IN GENERAL.—Except as provided in paragraph (2), the total number of employees that the head of an agency may appoint under this section during a fiscal year may not exceed the number equal to 15 percent of the number of individuals that the agency head appointed during the previous fiscal year
to a position in the competitive service classified in a professional or administrative occupational category, at the GS–11 level, or an equivalent level, or below, under a competitive examining procedure.

“(2) EXCEPTIONS.—Under a regulation prescribed under subsection (f), the Director may establish a lower limit on the number of individuals that may be appointed under paragraph (1) of this subsection during a fiscal year based on any factor the Director considers appropriate.

“(f) REGULATIONS.—Not later than 180 days after the date of enactment of this section, the Director shall issue interim regulations, with an opportunity for comment, for the administration of this section.

“(g) REPORTING.—

“(1) IN GENERAL.—Not later than September 30 of each of the first 3 fiscal years beginning after the date of enactment of this section, the head of an agency that makes an appointment under this section shall submit a report to—

“(A) Congress that assesses the impact of the use of the authority provided under this section during the fiscal year in which the report is submitted; and
“(B) the Director that contains data that the Director considers necessary for the Director to assess the impact and effectiveness of the authority described in subparagraph (A).

“(2) CONTENT.—The head of an agency shall include in each report under paragraph (1)—

“(A) the total number of individuals appointed by the agency under this section, as well as the number of such individuals who are—

“(i) minorities or members of other underrepresented groups; or

“(ii) veterans;

“(B) recruitment sources;

“(C) the total number of individuals appointed by the agency during the applicable fiscal year to a position in the competitive service classified in a professional or administrative occupational category at the GS–11 level, or an equivalent level, or below; and

“(D) any additional data specified by the Director.

“(h) SPECIAL PROVISION REGARDING THE DEPARTMENT OF DEFENSE.—

“(1) AUTHORITY.—Nothing in this section shall preclude the Secretary of Defense from exercising any
authority to appoint a recent graduate under section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. note prec. 1580), or any applicable successor statute.

“(2) REGULATIONS.—Any regulations prescribed by the Director for the administration of this section shall not apply to the Department of Defense during the period ending on the date on which the appointment authority of the Secretary of Defense under section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. note prec. 1580), or any applicable successor statute, terminates.

“§ 3116. Expedited hiring authority for post-secondary students; competitive service

“(a) DEFINITIONS.—In this section:

“(1) DIRECTOR.—The term ‘Director’ means the Director of the Office of Personnel Management.

“(2) INSTITUTION OF HIGHER EDUCATION.—The term ‘institution of higher education’ has the meaning given the term in section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)).

“(3) STUDENT.—The term ‘student’ means an individual enrolled or accepted for enrollment in an institution of higher education who is pursuing a baccalaureate or graduate degree on at least a part-time
basis as determined by the institution of higher education.

“(b) APPOINTMENT.—

“(1) IN GENERAL.—The head of an agency may make a time-limited appointment of a student, without regard to any provision of sections 3309 through 3319 and 3330, to a position in the competitive service at the GS–11 level, or an equivalent level, or below for which the student is qualified.

“(2) RESTRICTIONS.—An appointment under paragraph (1) shall be made in accordance with regulations prescribed by the Director.

“(c) PUBLIC NOTICE.—

“(1) IN GENERAL.—The head of an agency making an appointment under subsection (b) shall publicly advertise positions available under this section.

“(2) REQUIREMENTS.—In carrying out paragraph (1), the head of an agency shall—

“(A) adhere to merit system principles;

“(B) advertise positions in a manner that provides for diverse and qualified applicants; and

“(C) ensure potential applicants have appropriate information relevant to the positions available.
“(d) LIMITATION ON APPOINTMENTS.—

“(1) IN GENERAL.—Except as provided in paragraph (2), the total number of students that the head of an agency may appoint under this section during a fiscal year may not exceed the number equal to 15 percent of the number of students that the agency head appointed during the previous fiscal year to a position in the competitive service at the GS–11 level, or an equivalent level, or below.

“(2) EXCEPTIONS.—Under a regulation prescribed under subsection (g), the Director may establish a lower limit on the number of students that may be appointed under paragraph (1) of this subsection during a fiscal year based on any factor the Director considers appropriate.

“(e) CONVERSION.—The head of an agency may, without regard to any provision of chapter 33 or any other provision of law relating to the examination, certification, and appointment of individuals in the competitive service, convert a student serving in an appointment under subsection (b) to a permanent appointment in the competitive service within the agency without further competition if the student—

“(1) has completed the course of study leading to the baccalaureate or graduate degree;
“(2) has completed not less than 640 hours of current continuous employment in an appointment under subsection (b); and

“(3) meets the qualification standards for the position to which the student will be converted.

“(f) TERMINATION.—The head of an agency shall, without regard to any provision of chapter 35 or 75, terminate the appointment of a student appointed under subsection (b) upon completion of the designated academic course of study unless the student is selected for conversion under subsection (e).

“(g) REGULATIONS.—Not later than 180 days after the date of enactment of this section, the Director shall issue interim regulations, with an opportunity for comment, for the administration of this section.

“(h) REPORTING.—

“(1) IN GENERAL.—Not later than September 30 of each of the first 3 fiscal years beginning after the date of enactment of this section, the head of an agency that makes an appointment under this section shall submit a report to—

“(A) Congress that assesses the impact of the use of the authority provided under this section during the fiscal year in which the report is submitted; and
“(B) the Director that contains data that the Director considers necessary for the Director to assess the impact and effectiveness of the authority described in subparagraph (A).

“(2) CONTENT.—The head of an agency shall include in each report under paragraph (1)—

“(A) the total number of individuals appointed by the agency under this section, as well as the number of such individuals who are—

“(i) minorities or members of other underrepresented groups; or

“(ii) veterans;

“(B) recruitment sources;

“(C) the total number of individuals appointed by the agency during the applicable fiscal year to a position in the competitive service at the GS–11 level, or an equivalent level, or below; and

“(D) any additional data specified by the Director.

“(i) SPECIAL PROVISION REGARDING THE DEPARTMENT OF DEFENSE.—

“(1) AUTHORITY.—Nothing in this section shall preclude the Secretary of Defense from exercising any authority to appoint a post-secondary student under

“(2) REGULATIONS.—Any regulations prescribed by the Director for the administration of this section shall not apply to the Department of Defense during the period ending on the date on which the appointment authority of the Secretary of Defense under section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. note prec. 1580), or any applicable successor statute, terminates.”.

(b) TABLE OF SECTIONS AMENDMENT.—The table of sections for subchapter I of chapter 31 of title 5, United States Code, is amended by adding at the end the following:

“3115. Expedited hiring authority for college graduates; competitive service. 3116. Expedited hiring authority for post-secondary students; competitive service.”.

SEC. 1123. INCREASE IN MAXIMUM AMOUNT OF VOLUNTARY SEPARATION INCENTIVE PAY AUTHORIZED FOR CIVILIAN EMPLOYEES.

(a) IN GENERAL.—Section 3523 of title 5, United States Code, is amended—

(1) in subsection (b)(3)(B), by striking “$25,000” and inserting “$40,000 (as adjusted in accordance with subsection (c))”; and

(2) by adding at the end the following new sub-

section:
“(c)(1) On March 1 each year, the dollar amount specified in subsection (b)(3)(B) shall be adjusted by the amount determined by the Secretary of Labor to represent the percentage increase, if any, between the Consumer Price Index (all items; United States city average) published for December of the preceding year and that price index published for the December of the year before the preceding year.

“(2) A percentage increase under paragraph (1) shall be adjusted to the nearest one-tenth of one percent, and an amount determined under paragraph (1) shall be rounded to the nearest multiple of $1,000 (or, if midway between multiples of $1,000, to the next higher multiple of $1,000).”.

(b) DEPARTMENT OF DEFENSE EMPLOYEES.—Section 9902(f)(5) of such title is amended—

(1) in subparagraph (A)(ii), by striking “$25,000” and inserting “an amount determined by the Secretary, not to exceed $40,000 (as adjusted under subparagraph (D))”;

(2) by adding at the end the following:

“(D)(i) On March 1 each year, the dollar amount specified in subparagraph (A)(ii) shall be adjusted by the amount determined by the Secretary of Labor to represent the percentage increase, if any, between the Consumer Price Index (all items; United States city average) published for
December of the preceding year and that price index published for the December of the year before the preceding year.

“(ii) A percentage increase under clause (i) shall be adjusted to the nearest one-tenth of one percent, and an amount determined under clause (i) shall be rounded to the nearest multiple of $1,000 (or, if midway between multiples of $1,000, to the next higher multiple of $1,000).”.

SEC. 1124. ONE-YEAR EXTENSION OF TEMPORARY AUTHORITY TO GRANT ALLOWANCES, BENEFITS, AND GRATUITIES TO CIVILIAN PERSONNEL ON OFFICIAL DUTY IN A COMBAT ZONE.


† HR 5515 PAP
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.

Section 332(b) of title 10, United States Code, is amended—

(1) in paragraph (1), by striking “assign civilian employees of the Department of Defense and members of the armed forces as advisors and train-
ers” and inserting “provide advisors or trainers”;

and

(2) in paragraph (2)(B)—

(A) by striking “assigned” each place it appears (other than the last place) and inserting “provided”;

(B) by striking “assigned advisor or trainer” and inserting “advisor or trainer so provided”; and

(C) by striking “each assignment” and inserting “each provision of such an advisor or trainer”.

SEC. 1202. MODIFICATION TO DEPARTMENT OF DEFENSE STATE PARTNERSHIP PROGRAM.

Section 341(b)(2) of title 10, United States Code, is amended by inserting “assistance” after “any”.

SEC. 1203. EXPANSION OF REGIONAL DEFENSE COMBATING TERRORISM FELLOWSHIP PROGRAM TO INCLUDE IRREGULAR WARFARE.

(a) IN GENERAL.—Section 345 of title 10, United States Code, is amended—

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

(2) by striking subsection (a) and inserting the following new subsections (a) and (b):
“(a) Program Authorized.—

“(1) In general.—The Secretary of Defense may carry out a program under which the Secretary may pay any costs associated with the education and training of foreign military officers, ministry of defense officials, or security officials at military or civilian educational institutions, regional centers, conferences, seminars, or other training programs conducted for purposes of regional defense in connection with either of the following:

“(A) Combating terrorism.

“(B) Irregular warfare.

“(2) Covered costs.—Costs for which payment may be made under this section include the costs of transportation and travel and subsistence costs.

“(3) Designation.—The program authorized by this section shall be known as the ‘Regional Defense Combating Terrorism and Irregular Warfare Fellowship Program’.

“(b) Regulations.—

“(1) In general.—The program authorized by subsection (a) shall be carried out under regulations prescribed by the Secretary of Defense.

“(2) Elements.—The regulations shall ensure that—
“(A) the Secretary of Defense and the Secretary of State—

“(i) jointly develop and plan activities under the program that—

“(I) advance United States security cooperation objectives; and

“(II) support theater security cooperation planning of the combatant commands; and

“(ii) coordinate on the implementation of activities under the program;

“(B) each of the Secretary of Defense and the Secretary of State designates an individual at the lowest appropriate level of the Department of Defense or the Department of State, as applicable, who shall be responsible for program coordination; and

“(C) to the extent practicable, activities under the program are appropriately coordinated with, and do not duplicate or conflict with, activities under International Military Education and Training (IMET) authorities.

“(3) SUBMITTAL TO CONGRESS.—Upon any update of the regulations, the Secretary of Defense shall submit to the Committees on Armed Services of the
Senate and the House of Representatives a copy of the regulations as so updated, together with a description of the update.”; and

(3) in paragraph (3) of subsection (d), as redesignated by paragraph (1) of this subsection, by striking “in the global war on terrorism”.

(b) CONFORMING AMENDMENTS.—

(1) HEADING AMENDMENT.—The heading of such section is amended to read as follows:

“§345. Regional Defense Combating Terrorism and Irregular Warfare Fellowship Program”.

(2) TABLE OF SECTIONS AMENDMENT.—The table of sections at the beginning of subchapter V of chapter 16 of such title is amended by striking the item relating to section 345 and inserting the following new item:

“345. Regional Defense Combating Terrorism and Irregular Warfare Fellowship Program.”.

SEC. 1204. EXTENSION AND MODIFICATION OF AUTHORITY TO SUPPORT BORDER SECURITY OPERATIONS OF CERTAIN FOREIGN COUNTRIES.

(a) EXPANSION OF AUTHORITY.—Paragraph (1) of subsection (a) of section 1226 of the National Defense Authorization Act for Fiscal Year 2016 (22 U.S.C. 2151 note) is amended to read as follows:
“(1) In general.—The Secretary of Defense, with the concurrence of the Secretary of State, is authorized to provide support on a reimbursement basis as follows:

“(A) To the Government of Jordan for purposes of supporting and enhancing efforts of the armed forces of Jordan to increase security and sustain increased security along the border of Jordan with Syria and Iraq.

“(B) To the Government of Lebanon for purposes of supporting and enhancing efforts of the armed forces of Lebanon to increase security and sustain increased security along the border of Lebanon with Syria.

“(C) To the Government of Egypt for purposes of supporting and enhancing efforts of the armed forces of Egypt to increase security and sustain increased security along the border of Egypt with Libya.

“(D) To the Government of Tunisia for purposes of supporting and enhancing efforts of the armed forces of Tunisia to increase security and sustain increased security along the border of Tunisia with Libya.
“(E) To the Government of Oman for purposes of supporting and enhancing efforts of the armed forces of Oman to increase security and sustain increased security along the border of Oman with Yemen.

“(F) To the Government of Pakistan for purposes of supporting and enhancing efforts of the armed forces of Pakistan to increase security and sustain increased security along the border of Pakistan with Afghanistan.”.

(b) CERTIFICATION.—Subsection (d) of such section is amended to read as follows:

“(d) NOTICE AND CERTIFICATION BEFORE EXERCISE.—Not later than 15 days before providing support under the authority of subsection (a) to a country that has not previously received such support, the Secretary of Defense, in consultation with the Secretary of State, shall submit to the specified congressional committees a report that—

“(1) sets forth a full description of the support to be provided, including—

“(A) the purpose of such support;

“(B) the amount of support to be provided;

and
“(C) the anticipated duration of the provision of such support; and

“(2) includes a certification that—

“(A) the recipient country has taken demonstrable steps to increase security along the border specified for such country in subsection (a); and

“(B) the provision of such support is in the interest of United States national security.”.

(c) LIMITATION ON REIMBURSEMENT OF PAKISTAN.—

Such section is further amended—

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

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

“(e) LIMITATION ON REIMBURSEMENT OF PAKISTAN PENDING CERTIFICATION.—No amount of reimbursement support under subsection (a)(1)(F) is authorized to be disbursed to the Government of Pakistan unless the Secretary of Defense certifies to the congressional defense committees that the following conditions are met:

“(1) The military and security operations of Pakistan pertaining to border security and ancillary activities for which reimbursement is sought have been coordinated with United States military rep-
resentatives in advance of the execution of such operations and activities.

“(2) The goals and desired outcomes of each such operation or activity have been established and agreed upon in advance by the United States and Pakistan.

“(3) A process exists to verify the achievement of the goals and desired outcomes established in accordance with paragraph (2).

“(4) The Government of Pakistan is making an effort to actively coordinate with the Government of Afghanistan on issues relating to border security on the Afghanistan-Pakistan border.”.

(d) QUARTERLY REPORTS.—Such section is further amended by inserting after subsection (e), as so designated by subsection (c) of this section, the following new subsection (f):

“(f) QUARTERLY REPORTS.—Not later than 30 days after the end of each fiscal quarter, the Secretary of Defense shall submit to the specified congressional committees a report on reimbursements pursuant to subsection (a) during the preceding fiscal quarter that includes—

“(1) an identification of each country reimbursed;

“(2) the date of each reimbursement;
“(3) a description of any partner nation border security efforts for which reimbursement was provided;

“(4) an assessment of the value of partner nation border security efforts for which reimbursement was provided;

“(5) the total amounts of reimbursement provided to each partner nation in the preceding four fiscal quarters; and

“(6) such other matters as the Secretary considers appropriate.”.

(e) Extension.—Subsection (h) of such section, as so redesignated, is amended by striking “December 31, 2019” and inserting “December 31, 2021”.

SEC. 1205. LEGAL AND POLICY REVIEW OF ADVISE, ASSIST, AND ACCOMPANY MISSIONS.

(a) In General.—Not later than 120 days after the date of the enactment of this Act, the Under Secretary of Defense for Policy shall, in coordination with the General Counsel of the Department of Defense and the commanders of appropriate combatant commands, submit to the congressional defense committees a report on a review, conducted for purposes of the report, of the legal and policy frameworks associated with advise, assist, and accompany missions by United States military personnel.
(b) **ELEMENTS.**—The report and review required by subsection (a) shall include the following:

1. An analysis of the risks and benefits of United States military personnel conducting advise, assist, and accompany missions with foreign partner forces, and an assessment of the relation of such risks and benefits to United States security objectives.

2. A review of execute orders in order to ensure that such orders comply with United States law for the employment of United States military personnel and capabilities to advise, assist, and accompany foreign partner forces.

3. An assessment whether the legal and policy frameworks applicable to advise, assist, and accompany missions by United States military personnel are adequately communicated to and understood at all levels of operational command.

4. An assessment whether approvals related to advise, assist, and accompany missions are taken at the appropriate level of command.

5. A definition, and policy guidance, for the appropriate use in execute orders of each of the following:

   (A) Advise

   (B) Assist.
(C) Accompany.

(D) Collective self defense.

(E) Last point of cover and conceal.

(6) Any other matters the Under Secretary considers appropriate.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1206. TECHNICAL CORRECTIONS RELATING TO DEFENSE SECURITY COOPERATION STATUTORY REORGANIZATION.

(a) CHAPTER REFERENCES.—The following provisions of law are amended by striking “chapter 15” and inserting “chapter 13”:

(1) Section 886(a)(5) of the Homeland Security Act of 2002 (6 U.S.C. 466(a)(5)).

(2) Section 332(a)(1) of the Consolidated Farm and Rural Development Act (7 U.S.C. 1982(a)(1)).

(3) Section 101(a)(13)(B) of title 10, United States Code.

(4) Section 115(i)(6) of title 10, United States Code.

(5) Section 12304(c)(1) of title 10, United States Code.

(b) Section References.—

(1) Title 10, United States Code, is amended—

(A) in section 386(c)(1), by striking “Sections 311, 321, 331, 332, 333,” and inserting “Sections 246, 251, 252, 253, 321,”; and

(B) in section 10541(b)(9), in the matter preceding subparagraph (A), by striking “sections 331, 332, 333,” and inserting “sections 251, 252, 253,”.


SEC. 1207. NAVAL SMALL CRAFT INSTRUCTION AND TECHNICAL TRAINING SCHOOL.

(a) School Authorized.—

(1) In General.—Subchapter V of chapter 16 of title 10, United States Code, is amended by adding at the end the following new section:

“§351. Naval Small Craft Instruction and Technical Training School

“(a) In General.—The Secretary of Defense may op-
‘Naval Small Craft Instruction and Technical Training School’ (in this section referred to as the ‘School’).

“(b) DESIGNATION OF EXECUTIVE AGENT.—The Secretary of Defense shall designate the Secretary of a military department as the Department of Defense executive agent for carrying out the responsibilities of the Secretary of Defense under this section.

“(c) PURPOSE.—The purpose of the School shall be to provide to the military and other security forces of one or more friendly foreign countries education and training to increase professionalism, readiness, and respect for human rights through—

“(1) formal courses of instruction; and

“(2) mobile training teams for—

“(A) the operation, employment, maintenance, and logistics of specialized equipment;

“(B) participation in—

“(i) joint exercises; or

“(ii) coalition or international military operations; and

“(C) improved interoperability between—

“(i) the armed forces; and

“(ii) the military and other security forces of the one or more friendly foreign countries.
“(d) Personnel Eligible to Receive Education and Training.—

“(1) Limitation.—The Secretary of Defense may not provide education or training at the School to any personnel of a country that is prohibited from receiving such education or training under any other provision of law.

“(2) Consultation in Selection.—The Secretary of Defense shall consult with the Secretary of State in the selection of foreign personnel to be provided education and training at the School.

“(e) Fixed Costs.—The fixed costs of operation and maintenance of the School in a fiscal year may be paid from amounts made available for such fiscal year for operation and maintenance of the Department of Defense.

“(f) Annual Report.—Not later than March 15 each year, the Secretary of Defense, in consultation with the Secretary of State, shall submit to the appropriate congressional committees a detailed report on the activities and operating costs of the School during the preceding fiscal year.”.

(2) Clerical Amendment.—The table of sections at the beginning of subchapter V of chapter 16 of such title is amended by adding at the end the following new item:

“351. Naval Small Craft Instruction and Technical Training School.”.
(b) REPORT REQUIRED.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report that sets forth the following:

(1) The budget requirements for the operation and sustainment of the Naval Small Craft Instruction and Technical Training School authorized by section 351 of title 10, United States Code (as added by subsection (a)), during the period of the future-years defense program submitted to Congress in fiscal year 2019, including—

(A) a description of the budget requirements relating to the School for—

(i) Major Force Program–2; and

(ii) Major Force Program–11; and

(B) an identification of any other source of funding for the School.

(2) The anticipated requirements for facilities for the School.

(3) An identification of the Secretary of a military department designated by the Secretary of Defense as executive agent for the School under subsection (b) of such section.
(4) The anticipated military construction and facilities renovation requirements for the School during such period.

(5) Any other matter relating to the School that the Secretary of Defense considers appropriate.

(c) LIMITATION ON USE OF FUNDS.—

(1) IN GENERAL.—Nothing in section 351 of title 10, United States Code (as so added), may be construed as authorizing the use of funds appropriated for the Department of Defense for any purpose described in paragraph (2) unless specifically authorized by an Act of Congress other than that section or this Act.

(2) PURPOSES.—The purposes described in this paragraph are the following:

(A) The operation of a facility other than the Naval Small Craft Instruction and Technical Training School that is in operation as of the date of the enactment of this Act for the provision of education and training authorized to be provided by the School.

(B) The construction or expansion of any facility of the School.
Subtitle B—Matters Relating to Afghanistan and Pakistan

SEC. 1211. AFGHANISTAN SECURITY FORCES FUND.

(a) Continuation of Prior Authorities and Notice and Reporting Requirements.—Funds available to the Department of Defense for the Afghanistan Security Forces Fund for fiscal year 2019 shall be subject to the conditions contained in—

(1) subsections (b) through (f) of section 1513 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 428), as most recently amended by section 1521(d)(2)(A) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2577); and


(c) Equipment Disposition.—

(1) Acceptance of Certain Equipment.—Subject to paragraph (2), the Secretary of Defense may
accept equipment that is procured using amounts authorized to be appropriated for the Afghanistan Security Forces Fund by this Act and is intended for transfer to the security forces of Afghanistan, but is not accepted by such security forces.

(2) Conditions on acceptance of equipment.—Before accepting any equipment under the authority provided by paragraph (1), the Commander of United States forces in Afghanistan shall make a determination that such equipment was procured for the purpose of meeting requirements of the security forces of Afghanistan, as agreed to by both the Government of Afghanistan and the Government of the United States, but is no longer required by such security forces or was damaged before transfer to such security forces.

(3) Elements of determination.—In making a determination under paragraph (2) regarding equipment, the Commander of United States forces in Afghanistan shall consider alternatives to the acceptance of such equipment by the Secretary. An explanation of each determination, including the basis for the determination and the alternatives considered, shall be included in the relevant quarterly report required under paragraph (5).
(4) **Treatment as Department of Defense stocks.**—Equipment accepted under the authority provided by paragraph (1) may be treated as stocks of the Department of Defense upon notification to the congressional defense committees of such treatment.

(5) **Quarterly reports on equipment disposition.**—

(A) **In general.**—Not later than 90 days after the date of the enactment of this Act and every 90-day period thereafter during which the authority provided by paragraph (1) is exercised, the Secretary shall submit to the congressional defense committees a report describing the equipment accepted during the period covered by such report under the following:

(i) This subsection.

(ii) Section 1521(b) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2575).

(iii) Section 1531(b) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1088).

(iv) Section 1532(b) of the Carl Levin and Howard P. “Buck” McKeon National


(B) Elements.—Each report under subparagraph (A) shall include a list of all equipment that was accepted during the period covered by such report and treated as stocks of the Department of Defense and copies of the determinations made under paragraph (2), as required by paragraph (3).

(d) Security of Afghan Women.—

(1) In general.—Of the funds available to the Department of Defense for the Afghan Security Forces Fund for fiscal year 2019, it is the goal that $25,000,000, but in no event less than $10,000,000, shall be used for—

(A) the recruitment, integration, retention, training, and treatment of women in the Afghan National Defense and Security Forces; and
(B) the recruitment, training, and contracting of female security personnel for future elections.

(2) **TYPES OF PROGRAMS AND ACTIVITIES.**—Such programs and activities may include—

(A) efforts to recruit women into the Afghan National Defense and Security Forces, including the special operations forces;

(B) programs and activities of the Afghan Ministry of Defense Directorate of Human Rights and Gender Integration and the Afghan Ministry of Interior Office of Human Rights, Gender and Child Rights;

(C) development and dissemination of gender and human rights educational and training materials and programs within the Afghan Ministry of Defense and the Afghan Ministry of Interior;

(D) efforts to address harassment and violence against women within the Afghan National Defense and Security Forces;

(E) improvements to infrastructure that address the requirements of women serving in the Afghan National Defense and Security Forces, including appropriate equipment for female se-
curity and police forces, and transportation for
policewomen to their station;

(F) support for Afghanistan National Police
Family Response Units; and

(G) security provisions for high-profile fe-
male police and military officers.

(e) Assessment of Afghanistan Progress on Se-
curity Objectives.—

(1) Assessment Required.—Not later than
May 1, 2019, the Secretary of Defense shall, in con-
sultation with the Secretary of State, submit to the
Committee on Armed Services and the Committee on
Foreign Affairs of the House of Representatives and
the Committee on Armed Services and the Committee
on Foreign Relations of the Senate an assessment de-
scribing the progress of the Government of the Islamic
Republic of Afghanistan toward meeting shared secu-
rit y objectives. In conducting such assessment, the
Secretary of Defense shall consider each of the fol-
lowing:

(A) The extent to which the Government of
Afghanistan has taken steps toward increased ac-
countability and reducing corruption within the
Ministries of Defense and Interior.
(B) The extent to which the capability and capacity of the Afghan National Defense and Security Forces have improved as a result of Afghanistan Security Forces Fund investment, including through training.

(C) The extent to which the Afghan National Defense and Security Forces have been able to increase pressure on the Taliban, al-Qaeda, the Haqqani network, and other terrorist organizations, including by re-taking territory, defending territory, and disrupting attacks.

(D) Whether or not the Government of Afghanistan is ensuring that supplies, equipment, and weaponry supplied by the United States are appropriately distributed to security forces charged with fighting the Taliban and other terrorist organizations.

(E) The extent to which the Government of Afghanistan has designated the appropriate staff, prioritized the development of relevant processes, and provided or requested the allocation of resources necessary to support a peace and reconciliation process in Afghanistan.

(F) Such other factors as the Secretaries consider appropriate.
(2) WITHHOLDING OF ASSISTANCE FOR INSUFFICIENT PROGRESS.—

(A) IN GENERAL.—If the Secretary of Defense determines, in coordination with the Secretary of State, pursuant to the assessment under paragraph (1) that the Government of Afghanistan has made insufficient progress, the Secretary of Defense may withhold assistance for the Afghan National Defense and Security Forces until such time as the Secretary determines sufficient progress has been made.

(B) NOTICE TO CONGRESS.—If the Secretary of Defense withholds assistance under subparagraph (A), the Secretary shall, in coordination with the Secretary of State, provide notice to Congress not later than 30 days after making the decision to withhold such assistance.

SEC. 1212. EXTENSION AND MODIFICATION OF AUTHORITY FOR REIMBURSEMENT OF CERTAIN COALITION NATIONS FOR SUPPORT PROVIDED TO UNITED STATES MILITARY OPERATIONS.

(a) Extension.—Subsection (a) of section 1233 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 393), as most recently amended by section 1212 of the National Defense Authoriza-
tion Act for Fiscal Year 2018 (Public Law 115–91), is fur-
ther amended—

(1) in the matter preceding paragraph (1), by
striking “October 1, 2017, and ending on December
31, 2018” and inserting “October 1, 2018, and ending
on December 31, 2019”; and

(2) by amending paragraph (2) to read as fol-
lows:

“(2) Pakistan for certain activities meant to en-
hance the security situation in the Afghanistan-Paki-
stan border region pursuant to section 1226 of the
National Defense Authorization Act for Fiscal Year
2016 (22 U.S.C. 2151 note), as amended by the John
Fiscal Year 2019.”.

(b) MODIFICATION TO LIMITATIONS.—Subsection (d)
of such section is amended—

(1) in paragraph (1)—

(A) in the first sentence—

(i) by striking “October 1, 2017, and
ending on December 31, 2018” and insert-
ing “October 1, 2018, and ending on De-
cember 31, 2019”; and

(ii) by striking “$900,000,000” and
inserting “$350,000,000”; and
(B) by striking the second sentence; and
(2) by striking paragraph (3).

(c) Repeal of Provision Relating to Reimbursement to Pakistan for Security Enhancement Activities.—Such section is further amended—

(1) by striking subsection (e); and
(2) by redesignating subsections (f) through (h) as subsections (e) through (g), respectively.

(d) Notice to Congress.—Paragraph (1) of subsection (e) of such section, as redesignated by subsection (c) of this section, is amended by striking the second sentence.

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


(b) Excess Defense Articles.—Subsection (i)(2) of such section, as so amended, is further amended by striking
“December 31, 2018” each place it appears and inserting “December 31, 2019”.

SEC. 1214. MODIFICATION OF REPORTING REQUIREMENTS FOR SPECIAL IMMIGRANT VISAS FOR AFGHAN ALLIES PROGRAM.

Section 602 of the Afghan Allies Protection Act of 2009 (8 U.S.C. 1101 note) is amended—

(1) in subsection (b)—

(A) by striking paragraph (10);

(B) by redesignating paragraphs (11) through (16) as paragraphs (10) through (15), respectively;


(D) in paragraph (12), as so redesignated, by striking “paragraph (12)(B)” and inserting “paragraph (11)(B)”;

(E) in paragraph (13), as so redesignated, in the matter preceding subparagraph (A), by striking “a report to the” and all that follows through “House of Representatives” and insert-
ing “a report to the appropriate committees of Congress”; 

(2) by striking subsection (c); and 

(3) by redesignating subsection (d) as subsection (c).

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

SEC. 1221. EXTENSION OF AUTHORITY TO PROVIDE ASSISTANCE TO COUNTER THE ISLAMIC STATE OF IRAQ AND SYRIA.


(b) FUNDING.—Subsection (g) of such section 1236, as most recently so amended, is further amended—

(1) by striking “for the Department of Defense for Overseas Contingency Operations for fiscal year 2018” and inserting “for the Department of Defense for Overseas Contingency Operations for fiscal year 2019”; and
(2) by striking “$1,269,000,000” and inserting “$850,000,000”.

(c) **LIMITATION OF USE OF FISCAL YEAR 2019 FUNDS.**—Of the amounts authorized to be appropriated for fiscal year 2019 by this Act for activities under the authority in section 1236 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by this section, not more than $450,000,000 may be obligated or expended for such activities until the date on which the Secretary of Defense has submitted to the congressional defense committees each of the following:


(2) A report setting forth the following:

(A) An explanation of the purpose of a continuing United States military presence in Iraq, including—

(i) an explanation of the national security objectives of the United States with respect to Iraq;

(ii) a detailed description of—
(I) the size of a continuing United States military presence in Iraq; and

(II) the roles and missions associated with a continuing United States military presence in Iraq; and

(iii) a delineation of the responsibilities in connection with a continuing United States military presence in Iraq of—

(I) the Combined Joint Task Force Operation Inherent Resolve (or a successor task force);

(II) the Office of Security Cooperation in Iraq; and

(III) other United States embassy-based military personnel.

(B) An identification of the specific units of the Iraqi Security Forces to receive training and equipment or other support in fiscal year 2019.

(C) A plan for ensuring that any vehicles and equipment provided to the Iraqi Security Forces pursuant to that authority are maintained in subsequent fiscal years using funds of Iraq.
(D) An estimate, by fiscal year, of the funding anticipated to be required for support of the Iraqi Security Forces pursuant to that authority during the five fiscal years beginning with fiscal year 2020.

(E) A detailed plan for the obligation and expenditure of the funds requested for fiscal year 2019 for the Department of Defense for Operational Sustainment of the Iraqi Security Forces.


(G) A description of any actions carried out under this paragraph.

SEC. 1222. EXTENSION AND MODIFICATION OF AUTHORITY TO PROVIDE ASSISTANCE TO THE VETTED SYRIAN OPPOSITION.

(a) EXTENSION.—Section 1209(a) of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3559), as most recently amended by section 1221(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2485), is further
amended by striking “December 31, 2018” and inserting “December 31, 2019”.

(b) LIMITATION ON USE OF FUNDS IN GENERAL.—

(1) LIMITATION.—None of the funds authorized to be appropriated for fiscal year 2019 for the Department of Defense may be obligated or expended for activities under the authority in section 1209 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by subsection (a), until the later of the following:

(A) The date on which the President submits the report on United States strategy in Syria required by section 1221 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

(B) The date that is 30 days after the date on which the Secretary of Defense submits the report described in paragraph (2).

(2) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report setting forth the following:

(A) A detailed description of the internal security forces of the vetted Syrian opposition to
be trained and equipped under such authority, including a description of their geographic locations, demographic profiles, political affiliations, current capabilities, and relation to the objectives under the authority in section 1209 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by subsection (a).

(B) A detailed description of planned capabilities, including categories of equipment, intended to be provided to the elements of the vetted Syrian opposition under such authority.

(C) A description of the planned level of engagement by United States forces with the elements of the vetted Syrian opposition after such elements of the vetted Syrian opposition have been trained and equipped under such authority, including the oversight of equipment provided under such authority and the activities conducted by such vetted Syrian opposition forces.

(D) An explanation of the processes and mechanisms for local commanders of the vetted Syrian opposition to exercise command and control of the elements of the vetted Syrian opposition after such elements of the vetted Syrian op-
position have been trained and equipped under such authority.

(E) An explanation of complementary local governance and other stabilization activities in areas in which elements of the local internal security forces trained and equipped under such authority will be operating and the relation of such local governance and other stabilization activities to the oversight of such security forces.

(c) ADDITIONAL LIMITATIONS ON USE OF FUNDS DURING FISCAL YEAR 2019.—

(1) CERTIFICATIONS IN CONNECTION WITH USE OF FUNDS.—Not later than 120 days after the date of the enactment of this Act, and every 120 days thereafter, the Secretary shall submit to the congressional defense committees a written certification on the following:

(A) Whether, during the 120-day period ending on the date of the certification, demonstrable progress was made—

(i) to retake control of territory in Syria from the Islamic State of Iraq and Syria (ISIS); or

(ii) to stabilize areas in Syria formerly held by the Islamic State of Iraq and Syria.
(B) Whether, during such period, the vetted Syrian opposition tasked with conducting local security operations that United States forces are training and equipping under the authority in section 1209 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by subsection (a), were demographically representative of the local communities and serve local governance bodies that are similarly representative of the local communities.

(C) Whether, during such period, the Department of Defense took actions to mitigate any pause in offensive operations against the Islamic State of Iraq and Syria through the training, equipping, and assistance of the vetted Syrian opposition.

(D) Whether, during such period, support provided under the authority referred to in subparagraph (B) was consistent with United States standards regarding respect for human rights, rule of law, and support for stable and equitable governance.

(E) Whether, during such period, members of the vetted Syrian opposition receiving support
under the authority referred to in subparagraph (B) continued to demonstrate respect for human rights and rule of law, violations of human rights and rule of law by such members were appropriately investigated, and the individuals responsible for such violations were appropriately held accountable.

(2) LIMITATION.—If the Secretary does not make a certification by the deadline for submittal required for the certification under paragraph (1), or is unable in the certification to certify each of the matters specified in that paragraph, no support may be provided to the vetted Syrian opposition under the authority in section 1209 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by subsection (a), during the period that—

(A) begins on the deadline for submittal of the certification (if the certification is not made) or the date of the certification (if the certification does not certify each of the matters), as applicable; and

(B) ends on the date on which a certification is submitted under paragraph (1) that certifies each of the matters.
SEC. 1223. EXTENSION AND MODIFICATION OF AUTHORITY TO SUPPORT OPERATIONS AND ACTIVITIES OF THE OFFICE OF SECURITY COOPERATION IN IRAQ.

(a) Extension of Authority.—Subsection (f)(1) of section 1215 of the National Defense Authorization Act for Fiscal Year 2012 (10 U.S.C. 113 note) is amended by striking “fiscal year 2018” and inserting “fiscal year 2019”.

(b) Amount Available.—

(1) In general.—Such section is further amended—

(A) in subsection (c), by striking “fiscal year 2018 may not exceed $42,000,000” and inserting “fiscal year 2019 may not exceed $45,300,000”; and

(B) in subsection (d), by striking “fiscal year 2018” and inserting “fiscal year 2019”.

(2) Limitation of Use of Fiscal Year 2019 Funds Pending Reports.—Of the amount available for fiscal year 2019 for section 1215 of the National Defense Authorization Act for Fiscal Year 2012, as amended by this section, not more than an amount equal to 25 percent of such amount may be obligated or expended for the Office of Security Cooperation in Iraq until 30 days after the later of—
(A) the date on which the report on the United States strategy on Iraq required by the joint explanatory statement of the committee of the conference accompanying Conference Report 115–404 is submitted to the congressional defense committees; and

(B) the date on which the report required under subsection (c) is submitted to the appropriate committees of Congress.

(c) REPORT.—

(1) In general.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in cooperation with the Secretary of State, shall submit to the appropriate committees of Congress a report on the Office of Security Cooperation in Iraq.

(2) Elements.—The report required by paragraph (1) shall include the following:

(A) A description of the enduring planned size and missions of the Office of Security Cooperation in Iraq after the cessation of major combat operations against the Islamic State of Iraq and Syria.

(B) A description of the relationship between the Office of Security Cooperation in Iraq
and any planned enduring presence of other United States forces in Iraq.

(C) A detailed description of any activity to be conducted by the Office of Security Cooperation in Iraq in fiscal year 2019.

(D) A plan and timeline for the normalization of the Office of Security Cooperation in Iraq to conform to other offices of security cooperation, including the transition of funding from the Department of Defense to the Department of State by the beginning of fiscal year 2020.

(E) Such other matters with respect to the Office of Security Cooperation in Iraq as the Secretary of Defense and the Secretary of State consider appropriate.

(d) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means—

(1) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

(2) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.
SEC. 1224. SYRIA STUDY GROUP.

(a) Establishment.—There is established a working group to be known as the “Syria Study Group” (in this section referred to as the “Group”).

(b) Purpose.—The purpose of the Group is to examine and make recommendations on the military and diplomatic strategy of the United States with respect to the conflict in Syria.

(c) Composition.—

(1) Membership.—The Group shall be composed of 12 members, who shall be appointed as follows:

(A) One member appointed by the chair of the Committee on Armed Services of the Senate.

(B) One member appointed by the ranking minority member of the Committee on Armed Services of the Senate.

(C) One member appointed by the chair of the Committee on Foreign Relations of the Senate.

(D) One member appointed by the ranking minority member of the Committee on Foreign Relations of the Senate.

(E) One member appointed by the chair of the Committee on Armed Services of the House of Representatives.
(F) One member appointed by the ranking minority member of the Committee on Armed Services of the House of Representatives.

(G) One member appointed by the chair of the Committee on Foreign Affairs of the House of Representatives.

(H) One member appointed by the ranking minority member of the Committee on Foreign Affairs of the House of Representatives.

(I) One member appointed by the majority leader of the Senate.

(J) One member appointed by the minority leader of the Senate.

(K) One member appointed by the Speaker of the House of Representatives.

(L) One member appointed by the minority leader of the House of Representatives.

(2) CO-CHAIRS.—

(A) Of the members of the Group, one co-chair shall be jointly designated by—

(i) the chairs of the Committee on Armed Services and the Committee on Foreign Relations of the Senate;
(ii) the chairs of the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives;

(iii) the majority leader of the Senate;

and

(iv) the Speaker of the House of Representatives.

(B) Of the members of the Group, one co-chair shall be jointly designated by—

(i) the ranking minority members of the Committee on Armed Services and the Committee on Foreign Relations of the Senate;

(ii) the ranking minority members of the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives;

(iii) the minority leader of the Senate;

and

(iv) the minority leader of the House of Representatives.

(3) Period of Appointment.—A member shall be appointed for the life of the Group.
(4) **Vacancies.**—Any vacancy in the Group shall be filled in the same manner as the original appointment.

(d) **Duties.**—

(1) **Review.**—The Group shall conduct a review on the current United States military and diplomatic strategy with respect to the conflict in Syria that includes a review of current United States objectives in Syria and the desired end state in Syria.

(2) **Assessment and Recommendations.**—The Group shall—

(A) conduct a comprehensive assessment of the current situation in Syria, the impact of such situation on neighboring countries, the resulting regional and geopolitical threats to the United States, and current military, diplomatic, and political efforts to achieve a stable Syria; and

(B) develop recommendations on the military and diplomatic strategy of the United States with respect to the conflict in Syria.

(e) **Cooperation of United States Government.**—

(1) **In General.**—The Group shall receive the full and timely cooperation of the Secretary of De-
fense, the Secretary of State, and the Director of Na-
tional Intelligence in providing the Group with anal-
yses, briefings, and other information necessary for
the discharge of the duties of the Group under sub-
section (d).

(2) LIAISON.—The Secretary of Defense, the Sec-
retary of State, and the Director of National Intel-
ligence shall each designate at least one officer or em-
ployee of the Department of Defense, the Department
of State, and the Office of the Director of National In-
telligence, respectively, to serve as a liaison to the
Group.

(3) FACILITATION.—The United States Institute
of Peace shall take appropriate actions to facilitate
the Group in the discharge of the duties of the Group
under this section.

(f) REPORTS.—

(1) FINAL REPORT.—

(A) IN GENERAL.—Not later than June 30,
2019, the Group shall submit to the President,
the Secretary of Defense, the Committee on
Armed Services and the Committee on Foreign
Relations of the Senate, the Committee on Armed
Services and the Committee on Foreign Affairs
of the House of Representatives, the majority and
minority leaders of the Senate, the Speaker of the House of Representatives, and the minority leader of the House of Representatives a report that sets forth the findings, conclusions, and recommendations of the Group under this section.

(B) ELEMENTS.—The report required by subparagraph (A) shall include each of the following:

(i) An assessment of the current security, political, humanitarian, and economic situations in Syria.

(ii) An assessment of the current participation and objectives of the various external actors in Syria.

(iii) An assessment of the consequences of continued conflict in Syria.

(iv) Recommendations for a resolution to the conflict in Syria, including—

(I) options for a gradual political transition to a post-Assad Syria; and

(II) actions necessary for reconciliation.

(v) A roadmap for a United States and coalition strategy to reestablish security and governance in Syria, including rec-
omendations for the synchronization of stabilization, development, counterterrorism, and reconstruction efforts.

(vi) Any other matter with respect to the conflict in Syria that the Group considers to be appropriate.

(2) INTERIM REPORT.—Not later than February 1, 2019, the Group shall submit to the Committee on Armed Services and the Committee on Foreign Relations of the Senate, the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives, the majority and minority leaders of the Senate, the Speaker of the House of Representatives, and the minority leader of the House of Representatives a report that describes the status of the review and assessment under subsection (d) and any interim recommendations developed by the Group as of the date of the briefing.

(3) FORM OF REPORT.—The report submitted to Congress under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(g) TERMINATION.—The Group shall terminate on the date that is 180 days after the date on which the Group submits the report required by subsection (f)(1).
SEC. 1225. MODIFICATION OF ANNUAL REPORT ON MILITARY POWER OF IRAN.

Section 1245(b) of the National Defense Authorization Act for Fiscal Year 2010 (10 U.S.C. 113 note) is amended—

(1) in paragraph (3)(B), by inserting “the Houthis,” after “Hamas,”; and

(2) in paragraph (7)—

(A) by inserting “the Russian Federation,” after “Pakistan,”; and

(B) by inserting “trafficking or” before “development”.

Subtitle D—Matters Relating to Europe and the Russian Federation

SEC. 1231. EXTENSION OF LIMITATION ON MILITARY CO-OPERATION BETWEEN THE UNITED STATES AND THE RUSSIAN FEDERATION.

(a) Extension.—Subsection (a) of section 1232 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2488), as amended by section 1231 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended in the matter preceding paragraph (1) by striking “fiscal year 2017 or 2018” and inserting “fiscal year 2017, 2018, or 2019”.

(b) Rule of Construction.—Such section is further amended—
(1) by redesignating subsection (e) as subsection (f); and

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

“(e) RULE OF CONSTRUCTION.—Nothing in subsection (a) shall be construed to limit bilateral military-to-military dialogue between the United States and the Russian Federation for the purpose of reducing the risk of conflict.”.

SEC. 1232. LIMITATION ON AVAILABILITY OF FUNDS RELATING TO SOVEREIGNTY OF THE RUSSIAN FEDERATION OVER CRIMEA.

(a) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the Department of Defense may be obligated or expended to implement any activity that recognizes the sovereignty of the Russian Federation over Crimea.

(b) WAIVER.—The Secretary of Defense, with the concurrence of the Secretary of State, may waive the limitation in subsection (a) if the Secretary of Defense—

(1) determines that the waiver is in the national security interest of the United States; and

(2) submits to the Committee on Armed Services and the Committee on Foreign Relations of the Senate and the Committee on Armed Services and the Com-
mittee on Foreign Affairs of the House of Representatives a notification of the waiver.

SEC. 1233. EXTENSION OF UKRAINE SECURITY ASSISTANCE INITIATIVE.

Section 1250 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1068), as most recently amended by section 1234 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended—

(1) in subsection (c)—

(A) in paragraph (1), by striking “for fiscal year 2018 pursuant to subsection (f)(3)” and inserting “for fiscal year 2019 pursuant to subsection (f)(4)”;

(B) in paragraph (3), by striking “fiscal year 2018” and inserting “fiscal year 2019”;

(2) in subsection (f), by adding at the end the following new paragraph:

“(4) For fiscal year 2019, $200,000,000.”; and

(3) in subsection (h), by striking “December 31, 2020” and inserting “December 31, 2021”.

SEC. 1234. SENSE OF SENATE ON RELOCATION OF JOINT INTELLIGENCE ANALYSIS COMPLEX.

It is the sense of the Senate that, in consideration of any future plans regarding the relocation of the Joint Intel-
ligence Analysis Complex of the United States European Command, the Secretary of Defense should maintain its geographic location within the United Kingdom and its colocation with the North Atlantic Treaty Organization (NATO) Intelligence Fusion Center.

SEC. 1235. SENSE OF SENATE ON ENHANCING DETERRENCE AGAINST RUSSIAN AGGRESSION IN EUROPE.

(a) Statement of Policy.—To protect the national security of the United States, it is the policy of the United States to pursue an integrated approach to strengthening the defense of allies and partners in Europe as part of a broader, long-term strategy backed by all elements of United States national power to deter and, if necessary, defeat Russian aggression.

(b) Sense of the Senate.—It is the sense of the Senate that in order to strengthen the defense of allies and partners in Europe, the Secretary of Defense, in coordination with the Secretary of State and in consultation with the commander of United States European Command, should—

(1) prioritize the need for additional United States Army forward presence in Europe, especially increased forward-stationed combat enablers to enhance United States Army capability and capacity in areas such as—
(A) long-range fires;  
(B) air and missile defense;  
(C) combat engineering;  
(D) logistics and sustainment;  
(E) warfighting headquarters elements; and  
(F) electronic warfare;  

(2) conduct a review of the balance of United States Army presence in Europe between rotationally deployed and forward-stationed forces, including an examination of transitioning the rotational presence of a United States Army armored brigade combat team (ABCT) in Europe to a forward-stationed ABCT, with consideration of—  

(A) the opportunity to more effectively signal the enduring commitment of the United States—  

(i) to assure allies and partners in Europe; and  

(ii) to deter Russian aggression;  
  
(B) the significant recurring fiscal costs of rotating heavy, equipment-intensive units;  
  
(C) the family readiness impacts of lengthy heel-to-toe rotational deployments;  
  
(D) the potential advantages of interoperability and cultural proficiency that can be
achieved by forward-stationed forces that have
knowledge of local rules, regulations, culture, cus-
toms, geography, and counterpart military units
and officials;

(E) the potential tradeoffs between—

(i) the training readiness and high
operational tempo of rotational units; and

(ii) the higher manning rates of for-
ward-stationed forces; and

(F) the benefits of National Training Center
rotations for rotationally deployed units as com-
pared to maximized use of United States Army
training areas in Europe, including the Joint
Multinational Readiness Center in Germany, by
forward-stationed units in Europe;

(3) consider options for mitigating personnel im-
pacts of heel-to-toe rotations of United States forces in
Europe, including designation of Operation Atlantic
Resolve as a named operation;

(4) examine the merit and feasibility of main-
taining a continuous and enduring presence of at
least one United States Army company in Estonia,
Latvia, and Lithuania;

(5) examine the merit and feasibility of increas-
ing the presence of United States special operations
forces in Estonia, Latvia, and Lithuania to deter ag-
gression, promote interoperability, build resilience
through training activities focused on countering un-
conventional warfare strategies, and enable the North
Atlantic Treaty Organization (NATO) to take collec-
tive action if required;

(6) examine the merit and feasibility of
prepositioning certain equipment and ammunition in
Estonia, Latvia, and Lithuania;

(7) continue rotational deployments of United
States forces to Romania and Bulgaria while taking
full advantage of the training opportunities available
at military locations such as Camp Mihail
Kogalniceanu in Romania and Novo Selo Training
Area in Bulgaria;

(8) examine the implications of Russian mili-
tary activity in the Arctic region for United States
military capability, capacity, and force posture;

(9) conduct exercises focused on demonstrating
the capability to flow United States forces from the
continental United States and surge forces from cen-
tral to eastern Europe in a nonpermissive environ-
ment—

(A) to test and improve strategic and oper-
atio nal logistics and transportation capabilities;
(B) to identify capability gaps, capacity shortfalls, or other limiting factors in the execution of operational plans; and

(C) to identify appropriate corrective action;

(10) consider incorporating cyber protection teams, to the extent practicable, with rotational forces in Europe with a focus on training United States and allied forces to operate against adversary cyber, electronic warfare, and information operations capabilities;

(11) support robust security assistance for Ukraine, including defensive lethal assistance, while promoting necessary defense institutional reforms;

(12) support robust security assistance for Georgia, including defensive lethal assistance, to strengthen the defense capabilities and readiness of Georgia, and improve interoperability with NATO forces;

(13) promote enhanced military-to-military engagement between the United States and the militaries of the countries of the Western Balkans to promote interoperability with NATO, civilian control of the military, procurement reforms, and regional security cooperation;
(14) develop and implement a comprehensive security cooperation strategy that rationalizes and prioritizes support for allies and partners in Europe, including Estonia, Latvia, Lithuania, Poland, Romania, Bulgaria, Ukraine, Moldova, and Georgia;

(15) consider the merit and feasibility of a defense lending initiative to support allies and partners in Europe, especially allies and partners that are most vulnerable to Russian aggression, to supplement and fill gaps in existing United States security assistance and arms sales mechanisms; and

(16) in NATO or through other multilateral formats—

(A) promote reforms to accelerate the speed of decision and deployability within NATO, including delegation to the Secretary General and the Supreme Allied Commander Europe (SACEUR) of the authority to deploy the Very High Readiness Joint Task Force to any location within the territory of NATO allies in response to a security crisis;

(B) promote a more robust NATO defense planning process that—
(i) defines clear, stable chains-of-command responsible for the execution of graduated response plans;
(ii) generates realistic military requirements; and
(iii) provides a basis for assigning allies specific responsibilities as force providers in contingency plans;

(C) pursue planning agreements with allies and partners in Europe on rules of engagement and arrangements for command and control, access, transit, and support in crisis situations, which occur prior to an invocation of Article 5 of the Washington Treaty by the North Atlantic Council;

(D) promote operational readiness of major combat units as a key element of alliance burden sharing alongside spending commitments made at the 2014 Wales Summit, including through—
(i) the establishment of 30-day readiness targets for NATO kinetic air squadrons, major naval combatants, and mechanized maneuver battalions;
(ii) emphasis on allies maintaining fully manned units, improving readiness of
key logistics units, increasing lift capacity, and maintaining sufficient stocks of equipment and munitions; and

(iii) the conduct of NATO exercises with a focus on rapid mobilization and deployment of allied forces;

(E) explore transitioning the Baltic air policing mission of NATO to a Baltic air defense mission that would—

(i) be fully integrated with the Integrated Air and Missile Defense of NATO and other regional short- and medium-range air defense systems; and

(ii) include the participation of NATO and regional partners such as Sweden and Finland; and

(F) support multilateral efforts to improve maritime domain awareness in the Baltic Sea, including—

(i) integrating subsurface sensors and anti-submarine warfare platforms of NATO and other regional partners into a shared maritime domain awareness framework;

(ii) coordinating the development, procurement, and employment of aerial, sur-
face, and subsurface unmanned vehicles as well as mobile air surveillance radars;

(iii) expanding the scope of Sea Surveillance Cooperation Baltic Sea (SUCBAS) information sharing to include sensitive or classified data with the goal of creating a common operating picture; and

(iv) encouraging civil-military collaboration on maritime domain awareness;

(G) promote alignment of the Permanent Structured Cooperation, European Defense Fund, and Coordinated Annual Review on Defense of the European Union (EU) with the NATO defense planning process;

(H) support NATO–EU cooperation to ensure that—

(i) EU capability development is coherent, complementary, and interoperable with NATO;

(ii) EU-generated capabilities are available to NATO; and

(iii) EU defense activities are conducted with appropriate transparency and participation of non-EU states;
(I) support coordinated NATO and EU actions on expediting or waiving diplomatic clearances for the movement of United States and allied forces during contingencies;

(J) support cooperative investment frameworks that promote increased military mobility in Europe;

(K) explore enhancing the role of NATO Force Integration Units to more centrally coordinate exercises and training by de-conflicting training engagements, identifying opportunities for combined activities, and ensuring exercise design and delivery are responsive to the dynamic security environment;

(L) support cooperative efforts to improve the cyber resiliency of commercial systems in Europe, especially port and rail infrastructure essential for military mobility;

(M) support NATO procurement and training efforts to expand the use of secure and interoperable communications at the operational level, especially in the militaries of Estonia, Latvia, Lithuania, Poland, Romania, and Bulgaria;
(N) expand cooperation and joint planning with allies and partners on intelligence, surveillance, and reconnaissance (ISR), including—

(i) exercises related to border security and crisis command and control; and

(ii) electronic warfare, anti-air, and anti-surface capabilities;

(O) promote efforts to improve the capability and readiness of NATO Standing Maritime Groups;

(P) encourage regular review and update of the Alliance Maritime Strategy of NATO to reflect the changing military balance in the Black Sea with a particular focus on ISR, cyber, electronic warfare, and anti-submarine warfare capabilities as well as defense of ports, airfields, military bases, and other critical infrastructure;

(Q) explore increasing the frequency, scale, and scope of NATO and other multilateral exercises in the Black Sea with the participation of Ukraine and Georgia;

(R) promote integration of United States Marines in Norway with the United Kingdom-led Joint Expeditionary Force to increase multilateral cooperation and interoperability between
NATO and regional partners such as Sweden and Finland;

(S) affirm support for the Open Door policy of NATO, including the eventual membership of Georgia in NATO; and

(T) promote the contribution of sufficient resources by NATO allies for the Substantial NATO-Georgia Package, and encourage NATO allies to make full use of the NATO–Georgian Joint Training and Evaluation Center.

SEC. 1236. TECHNICAL AMENDMENTS RELATED TO NATO SUPPORT AND PROCUREMENT ORGANIZATION AND RELATED NATO AGREEMENTS.

(a) Title 10, United States Code.—Section 2350d of title 10, United States Code, is amended—

(1) by striking “NATO Support Organization” each place it appears and inserting “NATO Support and Procurement Organization”; and

(2) by striking “Support Partnership Agreement” each place it appears and inserting “Support or Procurement Partnership Agreement”; and

(3) in subsection (a)(1), by striking “Support Partnership Agreements” and inserting “Support or Procurement Partnership Agreements”.

† HR 5515 PAP
(b) Arms Export Control Act.—Section 21(e)(3) of the Arms Export Control Act (22 U.S.C. 2761(e)(3)) is amended—

(1) in subparagraph (A)—

(A) in the matter preceding clause (i), by striking “North Atlantic Treaty Organization (NATO) Support Organization” and inserting “North Atlantic Treaty Organization (NATO) Support and Procurement Organization”; and

(B) in clause (i), by striking “support partnership agreement” and inserting “support or procurement partnership agreement”; and

(2) in subparagraph (C)(i), in the matter preceding subclause (I)—

(A) by striking “‘weapon system partnership agreement’” and inserting “‘support or procurement partnership agreement’”; and

(B) by striking “North Atlantic Treaty Organization (NATO) Support Organization” and inserting “North Atlantic Treaty Organization (NATO) Support and Procurement Organization”.

† HR 5515 PAP
SEC. 1237. REPORT ON SECURITY COOPERATION BETWEEN
THE RUSSIAN FEDERATION AND CUBA, NICARAGUA, AND VENEZUELA.

(a) IN GENERAL.—Not later than 180 days after the
date of the enactment of this Act, the Director of the Defense
Intelligence Agency shall submit to the appropriate commit-
tees of Congress a report on security cooperation between
the Russian Federation and each of the countries specified
in subsection (b).

(b) COUNTRIES.—The countries specified in this sub-
section are as follows:

(1) Cuba.

(2) Nicaragua.

(3) Venezuela.

(c) MATTERS TO BE INCLUDED.—The report required
by subsection (a) shall include the following:

(1) An assessment of bilateral security coopera-
tion between the Russian Federation and each coun-
try specified in subsection (b) that includes each of
the following:

(A) A list of Russian weapon systems or
other military hardware or technology valued at
not less than $1,000,000 provided to or pur-
chased by such country since January 1, 2007.

(B) A description of the participation of the
security forces of such country in training or ex-
ercises with the security forces of the Russian Federation since January 1, 2007.

(C) A description of any security cooperation agreement between the Russian Federation and such country.

(D) A description of any military or intelligence infrastructure, facilities, and assets developed by the Russian Federation in each such country and any associated agreements or understandings between the Russian Federation and such country.

(2) An assessment of security cooperation, specifically in an advisory role, among the countries specified in subsection (b).

(d) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

(e) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means—

(1) the Committee on Armed Services, the Committee on Foreign Relations, and the Committee on Appropriations of the Senate; and
(2) the Committee on Armed Services, the Committee on Foreign Affairs, and the Committee on Appropriations of the House of Representatives.

SEC. 1238. SENSE OF SENATE ON COUNTERING RUSSIAN MALIGN INFLUENCE.

It is the sense of the Senate that the Secretary of Defense and the Secretary of State should—

(1) urgently prioritize the completion of a comprehensive strategy to counter Russian malign influence; and

(2) submit to Congress the report required by section 1239A(d) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

Subtitle E—Matters Relating to the Indo-Pacific Region

SEC. 1241. REDESIGNATION, EXPANSION, AND EXTENSION OF SOUTHEAST ASIA MARITIME SECURITY INITIATIVE.

(a) Redesignation as Indo-Pacific Maritime Security Initiative.—

(1) In general.—Subsection (a)(2) of section 1263 of the National Defense Authorization Act for Fiscal Year 2016 (10 U.S.C. 333 note) is amended by striking “the ‘Southeast Asia Maritime Security Ini-
tiative’” and inserting “the ‘Indo-Pacific Maritime Security Initiative’”.

(2) CONFORMING AMENDMENT.—The heading of such section is amended to read as follows:

“SEC. 1263. INDO-PACIFIC MARITIME SECURITY INITIATIVE.”.

(b) EXPANSION.—

(1) EXPANSION OF REGION TO RECEIVE ASSISTANCE AND TRAINING.—Subsection (a)(1) of such section is amended by inserting “and the Indian Ocean” after “South China Sea” in the matter preceding subparagraph (A).

(2) RECIPIENT COUNTRIES OF ASSISTANCE AND TRAINING GENERALLY.—Subsection (b) of such section is amended—

(A) in paragraph (2), by striking the comma at the end and inserting a period; and

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

“(6) Bangladesh.

“(7) Sri Lanka.”.

(3) COUNTRIES ELIGIBLE FOR PAYMENT OF CERTAIN INCREMENTAL EXPENSES.—Subsection (e)(2) of such section is amended by adding at the end the following new subparagraph:
“(D) India.”.

(c) Extension.—Subsection (h) of such section is amended by striking “September 30, 2020” and inserting “December 31, 2025”.

SEC. 1242. MODIFICATION OF ANNUAL REPORT ON MILITARY AND SECURITY DEVELOPMENTS INVOLVING THE PEOPLE’S REPUBLIC OF CHINA.

Section 1202(b) of the National Defense Authorization Act for Fiscal Year 2000 (10 U.S.C. 113 note) is amended—

(1) by redesignating paragraphs (6) through (16) and (17) through (23) as paragraphs (7) through (17) and (19) through (25), respectively;

(2) by inserting after paragraph (5) the following new paragraph (6):

“(6) China’s overseas military basing and logistics infrastructure.”;

(3) in paragraph (8), as so redesignated, by striking “including technology transfers and espionage” in the first sentence and inserting “including investment, industrial espionage, cybertheft, academia, and other means of technology transfer”;

(4) by inserting after paragraph (17), as so redesignated, the following new paragraph (18):
'(18) An assessment of relations between China and the Russian Federation with respect to security and military matters.”; and

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

“(26) The relationship between Chinese overseas investment, including initiatives such as the Belt and Road Initiative, and Chinese security and military strategy objectives.

“(27) Efforts by China to influence the media, cultural institutions, business, and academic and policy communities of the United States to be more favorable to its security and military strategy and objectives.

“(28) Efforts by China to monitor and influence, in support of its security and military strategy and objectives, the following:

“(A) Chinese citizens in the United States.

“(B) United States citizens of Chinese descent.”.

SEC. 1243. SENSE OF SENATE ON TAIWAN.

It is the sense of the Senate that—

(1) the Taiwan Relations Act (22 U.S.C. 3301 et seq.) and the “Six Assurances” are both cornerstones of United States relations with Taiwan;
the United States should strengthen defense and security cooperation with Taiwan to support the development of capable, ready, and modern defense forces necessary for Taiwan to maintain a sufficient self-defense capability;

(3) the United States should strongly support the acquisition by Taiwan of defensive weapons through foreign military sales, direct commercial sales, and industrial cooperation, with a particular emphasis on asymmetric warfare and undersea warfare capabilities, consistent with the Taiwan Relations Act;

(4) the United States should improve the predictability of arms sales to Taiwan by ensuring timely review of and response to requests of Taiwan for defense articles and defense services;

(5) the Secretary of Defense should promote Department of Defense policies concerning exchanges that enhance the security of Taiwan, including—

(A) United States participation in appropriate Taiwan exercises, such as the annual Han Kuang exercise;

(B) Taiwan participation in appropriate United States exercises; and

(C) exchanges between senior defense officials and general officers of the United States
and Taiwan consistent with the Taiwan Travel Act (Public Law 115–135);

(6) the United States and Taiwan should expand cooperation in humanitarian assistance and disaster relief; and

(7) the Secretary of Defense should consider supporting the visit of a United States hospital ship to Taiwan as part of the annual “Pacific Partnership” mission in order to improve disaster response planning and preparedness as well as to strengthen cooperation between the United States and Taiwan.

SEC. 1244. REDESIGNATION AND MODIFICATION OF SENSE OF CONGRESS AND INITIATIVE FOR THE INDO-ASIA-PACIFIC REGION.

(a) Redesignation.—

(1) In general.—Section 1251 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by striking “Indo-Asia-Pacific” each place it appears and inserting “Indo-Pacific”.

(2) Heading amendments.—

(A) Section heading.—The heading of such section is amended to read as follows:
“SEC. 1251. SENSE OF CONGRESS AND INITIATIVE FOR THE

INDO-PACIFIC REGION.”.

(B) Subsection headings.—Such section is further amended in the headings of subsections (b) and (f) by striking “INDO-ASIA-PACIFIC” and inserting “INDO-PACIFIC”.

(b) Modification of initiative.—Such section is further amended—

(1) in subsection (c)—

(A) by striking paragraphs (1) through (4) and inserting the following new paragraphs (1) through (4):

“(1) Activities to increase the rotational and forward presence, improve the capabilities, and enhance the posture of the United States Armed Forces in the Indo-Pacific region—

“(A) consistent with the National Defense Strategy; and

“(B) to the extent required to minimize the risk of execution of the contingency plans of the Department of Defense.

“(2) Activities to improve military and defense infrastructure, logistics, and assured access in the Indo-Pacific region to enhance the responsiveness, survivability, and operational resilience of the United States Armed Forces in the Indo-Pacific region.
“(3) Activities to enhance the storage and pre-positioning in the Indo-Pacific region of equipment and munitions of the United States Armed Forces.

“(4) Bilateral and multilateral military training and exercises with allies and partner nations in the Indo-Pacific region.”; and

(B) in paragraph (5)—

(i) in the matter preceding subparagraph (A), by striking “security capacity” and all that follows through “of allies” in subparagraph (B) and inserting “security capacity of allies”; and

(ii) by redesignating clauses (i) through (v) as subparagraphs (A) through (E), respectively, and indenting appropriately;

(2) in subsection (d), by striking “only”; and

(3) by amending subsection (e) to read as follows:

“(e) Five-Year Plan for the Indo-Pacific Stability Initiative.—

“(1) Plan Required.—

“(A) In General.—Not later than March 1, 2019, the Secretary of Defense, in consultation with the Commander of the United States Pa-
cific Command, shall submit to the congressional defense committees a future years plan on activities and resources of the Initiative.

“(B) APPLICABILITY.—The plan shall apply to the Initiative with respect to fiscal year 2020 and at least the four succeeding fiscal years.

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

“(A) A description of the objectives of the Initiative.

“(B) A description of the manner in which such objectives support implementation of the National Defense Strategy and reduce the risk of execution of the contingency plans of the Department of Defense by improving the operational resilience of United States forces in the Indo-Pacific region.

“(C) An assessment of the resource requirements to achieve such objectives.

“(D) An assessment of any additional rotational or permanently stationed United States forces in the Indo-Pacific region required to achieve such objectives.

“(E) An assessment of the logistics requirements, including force enablers, equipment, sup-
plies, storage, and maintenance, to achieve such objectives.

“(F) An identification and assessment of required infrastructure investments to achieve such objectives, including potential infrastructure investments by host countries and new construction or upgrades of existing sites that would be funded by the United States.

“(G) An assessment of any new agreements, or changes to existing agreements, with other countries for assured access required to achieve such objectives.

“(H) An assessment of security cooperation investments required to achieve such objectives.

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

SEC. 1245. PROHIBITION ON PARTICIPATION OF THE PEOPLE’S REPUBLIC OF CHINA IN RIM OF THE PACIFIC (RIMPAC) NAVAL EXERCISES.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the pace and militarization by the Government of the People’s Republic of China of land reclamation activities in the South China Sea is desta-
bilizing the security of United States allies and part-
ners and threatening United States core interests;

(2) these activities of the Government of the Peo-
ple’s Republic of China adversarially threaten the
maritime security of the United States and our allies
and partners;

(3) no country that acts adversarially should be
invited to multilateral exercises; and

(4) the involvement of the Government of the
People’s Republic of China in multilateral exercises
should undergo reevaluation until such behavior
changes.

(b) CONDITIONS FOR FUTURE PARTICIPATION IN
RIMPAC.—The Secretary of Defense shall not enable or fa-
cilitate the participation of the People’s Republic of China
in any Rim of the Pacific (RIMPAC) naval exercise unless
the Secretary certifies to the congressional defense commit-
tees that China has—

(1) ceased all land reclamation activities in the
South China Sea;

(2) removed all weapons from its land reclama-
tion sites; and

(3) established a consistent four-year track
record of taking actions toward stabilizing the region.
SEC. 1246. ASSESSMENT OF AND REPORT ON GEOPOLITICAL CONDITIONS IN THE INDO-PACIFIC REGION.

(a) Assessment.—

(1) In general.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall select and enter into an agreement with an entity independent of the Department of Defense to conduct an assessment of the geopolitical conditions in the Indo-Pacific region that are necessary for the successful implementation of the National Defense Strategy.

(2) Matters to be included.—The assessment required by paragraph (1) shall include a determination of the geopolitical conditions in the Indo-Pacific region, including any change in economic and political relations, that are necessary to support United States military requirements for forward defense, extensive forward basing, and alliance formation and strengthening in such region.

(b) Report.—Not later than 270 days after the date of the enactment of this Act, the independent entity selected under subsection (a) shall submit to the appropriate committees of Congress a report on the results of the assessment conducted under that subsection.

(c) Department of Defense Support.—The Secretary shall provide the independent entity selected under
subsection (a) with timely access to appropriate information, data, resources, and analyses necessary for the independent entity to conduct the assessment required by that subsection in a thorough and independent manner.

(d) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means—

(1) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

(2) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1247. SENSE OF SENATE ON UNITED STATES-INDIA DEFENSE RELATIONSHIP.

It is the sense of the Senate that the United States should strengthen and enhance its major defense partnership with India and work toward mutual security objectives by—

(1) expanding engagement in multilateral frameworks, including the Quadrilateral Dialogue between the United States, India, Japan, and Australia, to promote regional security and defend shared values and common interests in the rules-based order;

(2) exploring additional steps to implement the “major defense partner” designation to better facili-
tate military interoperability, information sharing, and appropriate technology transfers;

(3) designating the responsible individual within the Department of Defense to facilitate the major defense partnership with India, as required by section 1292(a)(1)(B) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2559);

(4) pursuing strategic initiatives to help develop India’s defense capabilities, including maritime security capabilities;

(5) improving cooperation on and coordination of humanitarian and disaster relief responses;

(6) conducting additional joint exercises with India in the Persian Gulf, the Indian Ocean region, and the Western Pacific; and

(7) furthering cooperative efforts to promote security and stability in Afghanistan.

SEC. 1248. SENSE OF SENATE ON STRATEGIC IMPORTANCE OF MAINTAINING COMMITMENTS UNDER COMPACTS OF FREE ASSOCIATION.

(a) FINDINGS.—The Senate makes the following findings:

(1) The Federated States of Micronesia, the Republic of the Marshall Islands, and the Republic of
Palau are sovereign countries in free association with the United States under the Compacts of Free Association (in this section referred to as the “Compacts”), which provide for the exclusive right of the United States Armed Forces to operate in the areas covered by the Compacts.

(2) Such exclusive right allows the United States to curtail the potential expansion of foreign militaries into areas covered by the Compacts.

(3) Under the Compacts, eligible citizens of the Federated States of Micronesia, the Republic of the Marshall Islands, and the Republic of Palau may—

(A) reside, work, and study in the United States without a visa; and

(B) serve in the United States Armed Forces.

(4) An estimated ¼ of the populations of the Federated States of Micronesia, the Republic of the Marshall Islands, and the Republic of Palau has relocated to the United States.

(5) Under the Compacts, the Federal Government is required to provide assistance to any affected jurisdiction in the United States to defray costs incurred by the affected jurisdiction for health, educational, social, or public safety services, or for infrastructure re-
lating to such services, due to the residence in the af-
affected jurisdiction of citizens of the Federated States
of Micronesia, the Republic of the Marshall Islands,
and the Republic of Palau.

(b) SENSE OF SENATE.—It is the sense of the Senate
that maintaining the commitments of the United States
under the Compacts is of vital strategic importance to the
national security interests of the United States.

SEC. 1249. SENSE OF SENATE ON UNITED STATES MILITARY
FORCES ON THE KOREAN PENINSULA.

(a) FINDINGS.—The Senate makes the following find-
ings:

(1) On June 25, 1950, the Democratic People’s
Republic of Korea (DPRK), under the rule of Kim Il-
sung, the grandfather of Kim Jong-un, launched a
surprise attack against forces from the Republic of
Korea (South Korea) and small contingent of United
States forces, thus beginning the Korean War.

(2) In June and July of 1950, the United Na-
tions Security Council adopted Resolutions 82, 83,
and 84 calling for the Democratic People’s Republic
of Korea to cease hostilities and withdraw, to rec-
ommend that United Nations member nations provide
forces to repel the Democratic People’s Republic of
Korea attack, and stating any forces provided should
be unified under the command of the United States, respectively.

(3) Fighting as part of a 1,000,000-strong, 22-nation United Nations force, 36,574 members of the United States Armed Forces and 137,899 members of the South Korean military lost their lives during the three years of armed hostilities and brutal conflict in the Korean War.

(4) On July 27, 1953, the Democratic People’s Republic of Korea, Chinese People’s Volunteers, and the United Nations signed an armistice agreement ceasing all hostilities in Korea and establishing the Demilitarized Zone (DMZ).

(5) Since 1953, lawfully-deployed United States and United Nations forces have remained alongside their South Korean counterparts, continuing to protect and defend South Korea and deter aggression from the Democratic People’s Republic of Korea.

(6) As a lasting testament the blood and treasure lost during the Korean War and the strong and unwavering alliance built from the ashes of the conflict, the Korean War Memorial in Washington, District of Columbia, and the War Memorial of Korea in Seoul, South Korea, prominently display the following inscription: “Our Nation honors her Sons and Daugh-
ters who answered the call to defend a Country they
never knew and a people they never met.”.

(7) The United States maintains a robust, well-
trained, and ready force of approximately 28,500
members of the Armed Forces in South Korea, and
the presence of the members of the Armed Forces in
South Korea demonstrates the continued resolve and
support of the United States for the enduring United
States-South Korean Alliance.

(8) On December 22, 2017, Kim Jong-un stated,
“The rapid development of [North Korea’s] nuclear
force is now exerting big influence on the world polit-
ical structure and strategic environment.”.

(9) On January 1, 2018, Kim Jong-un stated
“The entire United States is within range of our nu-
clear weapons, and a nuclear button is always on my
desk. This is reality, not a threat. This year we
should focus on mass producing nuclear warheads
and ballistic missiles for operational deployment.”.

(10) Despite 11 standalone United Nations Secu-

rity Council resolutions against the nuclear and bal-
listic missile programs of the Democratic People’s Re-
public of Korea, 8 of which passed during the rule of
Kim Jong-un, the Democratic People’s Republic of
Korea has continued to illegally and unlawfully pur-
sue a long-range, nuclear capability meant to hold hostage the United States and threaten the security of the neighbors of the Democratic People’s Republic of Korea.

(11) The 2017 National Security Strategy (NSS) states—

(A) “Our alliance and friendship with South Korea, forged by the trials of history, is stronger than ever.”;

(B) “Allies and partners magnify our power . . . [and] together with our allies, partners, and aspiring partners, the United States will pursue cooperation with reciprocity.”; and

(C) with respect to priority actions in the Indo-Pacific region, “We will redouble our commitment to established alliances and partnerships, while expanding and deepening relationships with new partners that share respect for sovereignty . . . and the rule of law.”.

(12) Secretary of Defense James Mattis stated, “Winston Churchill noted that the only thing harder than fighting with allies is fighting without them. History proves that we are stronger when we stand united with others. Accordingly, our military will be
designed, trained, and ready to fight alongside allies.”.

(13) The 2018 National Defense Strategy (NDS) states, “Mutually beneficial alliances and partnerships are crucial to our strategy, providing a durable, asymmetric strategic advantage that no competitor or rival can match . . . [and the United States] will strengthen and evolve our alliances and partnerships into an extended network capable of deterring or decisively acting to meet the shared challenges of our time.”.

(14) The unclassified summary of 2018 NDS, an 11-page document, mentions the term “allies” or “alliances” over 50 times.

(15) The 2018 NDS states, “China is a strategic competitor using predatory economics to intimidate its neighbors . . . [and] it is increasingly clear that China . . want[s] to shape a world consistent with their authoritarian model—gaining veto authority over other nations’ economic, diplomatic, and security decisions.”.

(16) Foreign policy experts have long contended that the first priority of the People’s Republic of China on the Korean Peninsula is to ensure that the Democratic People’s Republic of Korea remains a
buffer between China and the democratic South Korea and the United States forces deployed on the Korean Peninsula.

(17) China continues to provide the Democratic People’s Republic of Korea with most of its food and energy supplies and, until recently, accounted for approximately 90 percent of the total trade volume of the Democratic People’s Republic of Korea.

(18) On June 30, 2017, President Donald Trump stated, “Our goal is peace, stability and prosperity for the region. But the United States will defend itself, always will defend itself, always, and we will always defend our allies. As part of that commitment, we are working together to ensure fair burden sharing and support of the United States military presence in Republic of Korea.”.

(19) South Korea already pays for approximately 50 percent of the total nonpersonal costs of the 28,500 United States members of the Armed Forces on the Korean Peninsula, amounting to $887,500,000 in 2018.

(20) President Moon Jae-in has committed to increasing the defense spending of South Korea during his term from the current level 2.4 percent of the gross
domestic product to 2.9 percent of the gross domestic product.

(21) News reports published in early May 2018 have stated that President Trump asked the Secretary of Defense to provide him with options for removing United States troops from the Korean Peninsula.

(22) National Security Advisor John Bolton responded, “The President has not asked the Pentagon to provide options for reducing American forces stationed in South Korea.”.

(23) A spokesman for the Secretary stated, “The president has not asked the Pentagon to provide options for reducing American forces stationed in South Korea. The Department of Defense’s mission in South Korea remains the same, and our force posture has not changed. The Department of Defense remains committed to supporting the maximum pressure campaign, developing and maintaining military options for the President, and reinforcing our ironclad security commitment with our allies. We all remain committed to complete, verifiable, and irreversible denuclearization of the Korean Peninsula.”.

(b) SENSE OF SENATE.—It is the sense of the Senate that—
(1) South Korea is a close friend and ally of the United States, and the United States-South Korea alliance is the linchpin of peace and security in the Indo-Pacific region;

(2) the presence of United States military forces on the Korean Peninsula and across the Indo-Pacific region continues to play a critical role in safeguarding the peaceful and stable rules-based international order that benefits all countries;

(3) South Korea has contributed heavily to its own defense and to the defense of the United States Armed Forces in South Korea, including by providing $10,000,000,000 of the $10,800,000,000 Camp Humphreys project, which is 93 percent of the funding, to build and relocate United States military forces to a new base in South Korea;

(4) United States military forces, pursuant to international law, are lawfully deployed on the Korean Peninsula;

(5) the nuclear and ballistic missile programs of the Democratic People’s Republic of Korea are clear and consistent violations of international law;

(6) the long-stated strategic objective of authoritarian states such as the People’s Republic of China, the Russian Federation, and the Democratic People’s
Republic of Korea has been the significant removal of
United States military forces from the Korean Penin-
sula;

(7) the maximum pressure campaign of the
Trump Administration, including an increase in eco-

nomic sanctions and diplomatic measures with
United States allies and regional partners, has
worked to bring Kim Jong-un to the negotiation table;
and

(8) the significant removal of United States
military forces from the Korean Peninsula is a non-
egotiable item as it relates to the complete, verifiable,
and irreversible denuclearization of the Democratic
People’s Republic of Korea.

Subtitle F—Reports

SEC. 1251. REPORT ON MILITARY AND COERCIVE ACTIVI-
TIES OF THE PEOPLE’S REPUBLIC OF CHINA
IN SOUTH CHINA SEA.

(a) In General.—Except as provided in subsection
(d), immediately after the commencement of any significant
reclamation or militarization activity by the People’s Re-
public of China in the South China Sea, including any sig-
nificant military deployment or operation or infrastructure
construction, the Secretary of Defense, in coordination with
the Secretary of State, shall submit to the congressional de-
defense committees, and release to the public, a report on the military and coercive activities of China in the South China Sea in connection with such activity.

(b) ELEMENTS OF REPORT TO PUBLIC.—Each report on a significant reclamation or militarization activity under subsection (a) shall include a short narrative on, and one or more corresponding images of, such significant reclamation or militarization activity.

(c) FORM.—

(1) SUBMITTAL TO CONGRESS.—Any report under subsection (a) that is submitted to the congressional defense committees shall be submitted in unclassified form, but may include a classified annex.

(2) RELEASE TO PUBLIC.—If a report under subsection (a) is released to the public, such report shall be so released in unclassified form.

(d) WAIVER.—

(1) RELEASE OF REPORT TO PUBLIC.—The Secretary of Defense may waive the requirement in subsection (a) for the release to the public of a report on a significant reclamation or militarization activity if the Secretary determines that the release to the public of a report on such activity under that subsection in the form required by subsection (c)(2) would have an
adverse effect on the national security interests of the United States.

(2) NOTICE TO CONGRESS.—If the Secretary issues a waiver under paragraph (1) with respect to a report on an activity, not later than 48 hours after the Secretary issues such waiver, the Secretary shall submit to the congressional defense committees written notice of, and justification for, such waiver.

SEC. 1252. REPORT ON TERRORIST USE OF HUMAN SHIELDS.

(a) In General.—The Secretary of Defense, in consultation with the Secretary of State, shall provide a report on the use of human shields by terrorist groups to protect otherwise lawful targets from attack.

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

(1) A description of the lessons learned from the United States and its allies and partners in addressing the use of human shields by terrorist organizations such as Hamas, Hezbollah, the Islamic State of Iraq and Syria, Al Qaeda, and any other organization as determined by the Secretary of Defense.

(2) A description of a specific plan and actions being taken by the Department of Defense to incorporate the lessons learned as identified in paragraph
(1) into Department of Defense operating guidance, relevant capabilities, and tactics, techniques, and procedures to deter, counter, and address the challenge posed by the use of human shields and hold accountable terrorist organizations for the use of human shields.

(c) Submittal of the Report.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate committees of Congress the report required in subsection (a).

(d) Form.—The report shall be submitted in unclassified form, but may include a classified annex.

(e) Appropriate Committees of Congress Defined.—In this section, the term “appropriate committees of Congress” means—

(1) the Committee on Armed Services, the Committee on Foreign Relations, and the Committee on the Judiciary of the Senate; and

(2) the Committee on Armed Services, the Committee on Foreign Affairs, and the Committee on the Judiciary of the House of Representatives.

SEC. 1253. REPORT ON ARCTIC STRATEGIES.

(a) In General.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Army, the Secretary of the Navy, and the Secretary of the Air
Force shall submit to the congressional defense committees a report on the strategy of the Army, the Navy and the Marine Corps, and the Air Force, respectively, for the Arctic region.

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

(1) A description of the specific means by which each Armed Force, including regular components, the National Guard, and the Reserves, will—

(A) enhance the capability of the Armed Forces to defend the homeland and exercise sovereignty;

(B) strengthen deterrence at home and abroad;

(C) strengthen alliances and partnerships;

(D) preserve freedom of the seas in the Arctic;

(E) engage public, private, and international partners to improve domain awareness in the Arctic;

(F) develop Department of Defense Arctic infrastructure and capabilities consistent with changing conditions and needs;

(G) provide support to civil authorities, as directed;
(II) partner with other departments, agencies, and countries to support human and environmental security; and

(I) support international institutions that promote regional cooperation and the rule of law.

(2) An analysis of the role of each Armed Force in the operational and contingency plans for the protection of United States national security interests in the Arctic region, including strategic national assets, United States citizens, territory, freedom of navigation, and economic and trade interests in the Arctic region, weighed against the missions described in the Arctic strategy.

(3) A detailed description of near-term and long-term training, capability, and resource gaps that must be addressed to fully execute each mission described in the Arctic strategy against an increasing threat environment.

(4) A description of the Armed Force-specific infrastructure that may be needed to continue to accomplish each mission described in the Arctic strategy against an increasing threat environment, including a cost estimate and potential construction timeline for such infrastructure.
(5) A description, by Armed Force, of the current and projected Arctic capabilities of the Russian Federation and the People’s Republic of China, and an analysis of current and future United States capabilities that are required to comply with—

(A) each mission described in the Arctic strategy; and

(B) the strategic objectives in the National Defense Strategy.

(6) With respect to each Armed Force—

(A) an assessment of the level of cooperation between each Armed Force and other departments and agencies of the United States Government (including the Department of Homeland Security and the National Security Agency), State and local governments, and Tribal entities; and

(B) a plan for increased cooperation between the Armed Forces and such departments, agencies, and entities.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.
SEC. 1254. REPORT ON PERMANENT STATIONING OF UNITED STATES FORCES IN THE REPUBLIC OF POLAND.

(a) In General.—Not later than March 1, 2019, the Secretary of Defense, in coordination with the Secretary of State, shall submit to the congressional defense committees a report on the feasibility and advisability of permanently stationing United States forces in the Republic of Poland.

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

(1) An assessment of the types of permanently stationed United States forces in Poland required to deter aggression by the Russian Federation and execute Department of Defense contingency plans, including combat enabler units in capability areas such as—

(A) combat engineering;

(B) logistics and sustainment;

(C) warfighting headquarters elements;

(D) long-range fires;

(E) air and missile defense;

(F) intelligence, surveillance, and reconnaissance; and

(G) electronic warfare.

(2) An assessment of the feasibility and advisability of permanently stationing a United States
Army brigade combat team in the Republic of Poland that includes the following:

(A) An assessment whether a permanently stationed United States Army brigade combat team in Poland would enhance deterrence against Russian aggression in Eastern Europe.

(B) An assessment of the actions the Russian Federation may take in response to a United States decision to permanently station a brigade combat team in Poland.

(C) An assessment of the international political considerations of permanently stationing such a brigade combat team in Poland, including within the North Atlantic Treaty Organization (NATO).

(D) An assessment whether a such a brigade combat team in Poland would support implementation of the National Defense Strategy.

(E) A description and assessment of the manner in which such a brigade combat team in Poland would affect the ability of the Joint Force to execute Department of Defense contingency plans in Europe.

(F) A description and assessment of the manner in which such a brigade combat team in
Poland would affect the ability of the Joint Force to respond to a crisis inside the territory of a North Atlantic Treaty Organization ally that occurs prior to the invocation of Article 5 of the Washington Treaty by the North Atlantic Council.

(G) An identification and assessment of—

(i) potential locations in Poland for stationing such a brigade combat team;

(ii) the logistics requirements, including force enablers, equipment, supplies, storage, and maintenance, that would be required to support such a brigade combat team in Poland;

(iii) infrastructure investments by the United States and Poland, including new construction or upgrades of existing sites, that would be required to support such a brigade combat team in Poland;

(iv) any new agreements, or changes to existing agreements, between the United States and Poland that would be required for a such a brigade combat team in Poland;
(v) any changes to the posture or capabilities of the Joint Force in Europe that would be required to support such a brigade combat team in Poland; and

(vi) the timeline required to achieve the permanent stationing of such a brigade combat team in Poland.

(H) An assessment of the willingness and ability of the Government of Poland to provide host nation support for such a brigade combat team.

(I) An assessment whether future growth in United States Army end strength may be used to source additional forces for such a brigade combat team in Poland.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1254A. INEFFECTIVENESS OF SECTION 937.

Section 937, relating to a Strategic Defense Fellows Program for the Department of Defense, shall have no force or effect.

SEC. 1254B. JOHN S. MCCAIN STRATEGIC DEFENSE FELLOWS PROGRAM.

(a) FELLOWSHIP PROGRAM.—
(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall establish within the Department of Defense a civilian fellowship program designed to provide leadership development and the commencement of a career track toward senior leadership in the Department.

(2) DESIGNATION.—The fellowship program shall be known as the “John S. McCain Strategic Defense Fellows Program” (in this section referred to as the “fellows program”).

(b) ELIGIBILITY.—An individual is eligible for participation in the fellows program if the individual—

(1) is a citizen of the United States or a lawful permanent resident of the United States in the year in which the individual applies for participation in the fellows program; and

(2) either—

(A) possesses a graduate degree from an accredited institution of higher education in the United States that was awarded not later than two years before the date of the acceptance of the individual into the fellows program; or

(B) will be awarded a graduate degree from an accredited institution of higher education in

† HR 5515 PAP
the United States not later than six months after 
the date of the acceptance of the individual into 
the fellows program.

(c) APPLICATION.—

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

(2) ELEMENTS.—Each application of an individual under this subsection shall include the following:

(A) Transcripts of educational achievement at the undergraduate and graduate level.

(B) A resume.

(C) Proof of citizenship or lawful permanent residence.

(D) An endorsement from the applicant’s graduate institution of higher education.

(E) An academic writing sample.

(F) Letters of recommendation addressing the applicant’s character, academic ability, and any extracurricular activities.
A personal statement by the applicant explaining career areas of interest and motivations for service in the Department.

Such other information as the Secretary considers appropriate.

Selection.—

1. In general.—Each year, the Secretary shall select participants in the fellows program from among applicants for the fellows program for such year who qualify for participation in the fellows program based on character, commitment to public service, academic achievement, extracurricular activities, and such other qualifications for participation in the fellows program as the Secretary considers appropriate.

2. Number.—The number of individuals selected to participate in the fellows program in any year may not exceed the numbers as follows:

   A. Ten individuals from each geographic region of the United States as follows:

      (i) The Northeast.

      (ii) The Southeast.

      (iii) The Midwest.

      (iv) The Southwest.

      (v) The West.

   B. Ten additional individuals.
(3) BACKGROUND INVESTIGATION.—An individual selected to participate in the fellows program may not participate in the program unless the individual successfully undergoes a background investigation applicable to the position to which the individual will be assigned under the fellows program and otherwise meets such requirements applicable to assignment to a sensitive position within the Department that the Secretary considers appropriate.

(e) ASSIGNMENT.—

(1) In general.—Each individual who participates in the fellows program shall be assigned to a position in the Office of the Secretary of Defense.

(2) Position requirements.—Each Under Secretary of Defense and each Director of a Defense Agency who reports directly to the Secretary shall submit to the Secretary each year the qualifications and skills to be demonstrated by participants in the fellows program to qualify for assignment under this subsection for service in a position of the office of such Under Secretary or Director.

(3) Assignment to positions.—The Secretary shall each year assign participants in the fellows program to positions in the offices of the Under Secretaries and Directors described in paragraph (2). In
making such assignments, the Secretary shall seek to best match the qualifications and skills of participants in the fellows program with the requirements of positions available for assignment. Each participant so assigned shall serve as a special assistant to the Under Secretary or Director to whom assigned.

(4) TERM.—The term of each assignment under the fellows program shall be one year.

(5) PAY AND BENEFITS.—An individual assigned to a position under the fellows program shall be compensated at the rate of compensation for employees at level GS–10 of the General Schedule, and shall be treated as an employee of the United States during the term of assignment, including for purposes of eligibility for health care benefits and retirement benefits available to employees of the United States.

(6) EDUCATION LOAN REPAYMENT.—To the extent that funds are provided in advance in appropriations Acts, the Secretary may repay any loan of a participant in the fellows program if the loan is described by subparagraph (A), (B), or (C) of section 16301(a)(1) of title 10, United States Code. Any repayment of loans under this paragraph shall be on a first-come, first-served basis.

(f) CAREER DEVELOPMENT.—
(1) **IN GENERAL.**—The Secretary shall ensure that participants in the fellows program—

(A) receive opportunities and support appropriate for the commencement of a career track within the Department leading toward a future position of senior leadership within the Department, including ongoing mentorship support through appropriate personnel from entities within the Department such as the Defense Business Board and the Defense Innovation Board; and

(B) are provided appropriate opportunities for employment and advancement within the Department upon successful completion of the fellows program.

(2) **RESERVATION OF POSITIONS.**—In carrying out paragraph (1)(B), the Secretary shall reserve for participants who successfully complete the fellows program not fewer than 30 positions in the excepted service within the Department that are suitable for the commencement of a career track toward senior leadership within the Department. Any position so reserved shall not be subject to or covered by any reduction in headquarters personnel required under any other provision of law.
(3) NONCOMPETITIVE APPOINTMENT.—Upon the successful completion of the assignment of a participant in the fellows program in a position pursuant to subsection (e), the Secretary may, without regard to the provisions of subchapter I of chapter 33 of title 5, United States Code, appoint the participant to a position reserved pursuant to paragraph (2) if the Secretary determines that such appointment will contribute to the development of highly qualified future senior leaders for the Department.

(4) PUBLICATION OF SELECTION.—The Secretary shall publish on an Internet website of the Department available to the public the names of the individuals selected to participate in the fellows program.

(g) OUTREACH.—The Secretary shall undertake appropriate outreach to inform potential participants in the fellows program of the nature and benefits of participation in the fellows program.

(h) REGULATIONS.—The Secretary shall carry out this section in accordance with such regulations as the Secretary may prescribe for purposes of this section.

(i) FUNDING.—Of the amounts authorized to be appropriated for each fiscal year for the Department of Defense for operation and maintenance, Defense-wide, $10,000,000
may be available to carry out the fellows program in such fiscal year.

SEC. 1255. REPORTS ON NUCLEAR CAPABILITIES OF THE DEMOCRATIC PEOPLE’S REPUBLIC OF KOREA.

(a) Baseline Report.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Director of National Intelligence, shall submit to the appropriate committees of Congress a report on the status of the nuclear program of the Democratic People’s Republic of Korea to establish a baseline of progress for negotiations with the Democratic People’s Republic of Korea with respect to denuclearization.

(b) Elements.—The report required by subsection (a) shall include the following, to the extent known or suspected:

   (1) A description of the location, quantity, capability, and operational status of the nuclear weapons of the Democratic People’s Republic of Korea.

   (2) A description of the location of nuclear research, development, production, and testing facilities of the Democratic People’s Republic of Korea, including covert facilities.

   (3) A description of the location, quantity, capability, and operational status of the ballistic missiles of the Democratic People’s Republic of Korea.
(4) A description of the location of the ballistic missile manufacturing and assembly facilities of the Democratic People’s Republic of Korea.

(5) An assessment of any intelligence gaps with respect to the information required by this subsection and verification or inspection measures that may fill such gaps.

(c) UPDATES.—

(1) In general.—In the case of an agreement between the United States and the Democratic People’s Republic of Korea, not later than 60 days after the date on which the agreement is reached, and every 90 days thereafter, the report required by subsection (a) shall be augmented by a written update.

(2) Elements.—Each written update under paragraph (1) shall include the following for the preceding 90-day period:

(A) A description of the number of nuclear weapons and ballistic missiles verifiably dismantled, destroyed, rendered permanently unusable, or transferred out of the Democratic People’s Republic of Korea.

(B) An identification of the location of nuclear research, development, production, and testing facilities in the Democratic People’s Republic.
of Korea identified and verifiably dismantled, destroyed, or rendered permanently unusable.

(C) An identification of the location of ballistic missile manufacturing and assembly facilities in the Democratic People’s Republic of Korea verifiably dismantled, destroyed, or rendered permanently unusable.

(D) A description of the number of nuclear weapons and ballistic missiles that remain in or under the control of the Democratic People’s Republic of Korea.

(E) An assessment of the progress made in extending the breakout period required for the Democratic People’s Republic of Korea to reconstruct its nuclear weapons program and build a nuclear weapon, as such progress relates to the information required by subparagraphs (A) through (D).

(d) VERIFICATION ASSESSMENT REPORT.—Not later than 180 days after the date on which the report required by subsection (a) is submitted, and every 180 days thereafter, the written update required under paragraph (1) of subsection (c) shall include, in addition to the information required by subparagraphs (A) through (E) of that subsection, the following for the preceding 180-day period:
(1) An assessment of the establishment of safeguards, other control mechanisms, and other assurances secured from the Democratic People’s Republic of Korea to ensure the activities of the Democratic People’s Republic of Korea permitted under any agreement will not be used to further any nuclear-related military or nuclear explosive purpose, including research on or development of a nuclear explosive device.

(2) An assessment of the capacity of the United States or an international organization, including the International Atomic Energy Agency, to effectively access and investigate suspicious sites in the Democratic People’s Republic of Korea or allegations of covert nuclear-related activities, including storage sites for nuclear weapons.

(e) SUNSET.—The section shall cease to be effective on the date that is three years after the date of the enactment of this Act.

(f) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means—

(1) the Committee on Armed Services, the Select Committee on Intelligence, the Committee on Foreign
Relations, and the Committee on Appropriations of the Senate; and

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

SEC. 1256. REPORT ON UNITED STATES MILITARY TRAINING OPPORTUNITIES WITH ALLIES AND PARTNERS IN THE INDO-PACIFIC REGION.

(a) SENSE OF SENATE.—It is the sense of the Senate that—

(1) the Secretary of Defense, as part of strategic initiatives, should continue to place emphasis on and consider the benefits of United States military training exercises with allies in the Indo-Pacific region;

(2) the Indo-Pacific region is—

(A) a strategically important region; and

(B) critical to the interests of the United States;

(3) the relationship between the United States and allies and partners in the Indo-Pacific region is essential for ensuring peace and security in the region;
(4) interoperability between the United States and allies in the Indo-Pacific region increases readiness and regional contingency response time;

(5) the United States should focus on expanding training with other allied nations and partners in the Indo-Pacific region;

(6) the United States, working within our framework of alliances and partnerships, should seek to build the capacity and capability of our allies and partners in the Indo-Pacific region and to expand interoperability with them; and

(7) the United States and its partners in the Indo-Pacific region should continue to work together to build the forces, infrastructure, relationships, and training needed to respond to search and rescue and humanitarian assistance needed in the whole of catastrophic natural disasters.

(b) REPORT.—

(1) In general.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on future United States military training opportunities with allied and partner countries in the Indo-Pacific region.
(2) **ELEMENTS.—** The report required by paragraph (1) shall include the following:

(A) A detailed description of—

(i) current United States military exercises involving United States partners and allies in the Indo-Pacific region;

(ii) the manner in which such exercises are intended to improve the capability and capacity of such partners and allies; and

(iii) the interoperability of such partners and allies with the United States Armed Forces.

(B) An analysis of the potential to expand the size, scope, or makeup of such exercises to include—

(i) additional forces and units of current participants;

(ii) additional capabilities or training; and

(iii) other allies and partners in the Indo-Pacific region and other regions.

(C) An identification of new United States military exercises that may be initiated in the Indo-Pacific region with—
(i) security treaty allies such as Japan, South Korea, Australia, the Philippines, and Thailand;

(ii) growing partners such as India, Indonesia, Malaysia, Mongolia, New Zealand, Singapore, Sri Lanka, and Vietnam;

(iii) existing multilateral frameworks, such as the Association of Southeast Asian Nations (ASEAN);

(iv) allies and partners outside the Indo-Pacific region; and

(v) potential new allies or partners.

(3) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

Subtitle G—Other Matters

SEC. 1261. MODIFICATION OF AUTHORITIES RELATING TO ACQUISITION AND CROSS-SERVICING AGREEMENTS.

(a) PROHIBITIONS.—Section 2342 of title 10, United States Code, is amended—

(1) by redesignating subsection (d) as subsection (f); and

(2) by inserting after subsection (c) the following new subsections (d) and (e):

† HR 5515 PAP
“(d) The Secretary of may not use an agreement with any government of an organization described in subsection (a)(1) to facilitate the transfer of logistic support, supplies, and services to any country or organization with which the Secretary has not signed an agreement described in subsection (a)(2).

“(e) An agreement described in subsection (a)(2) may not provide or otherwise constitute a commitment for the introduction of the armed forces into hostilities.”.

(b) **ANNUAL REPORTS.**—Such section is further amended by adding at the end the following new subsection:

“(g) Not later than January 15 each year, the Secretary shall submit to the appropriate committees of Congress a report on acquisition and cross-servicing activities that sets forth, in detail, the following:

“(1) A list of agreements in effect pursuant to subsection (a)(1) during the preceding fiscal year.

“(2) The date on which each agreement listed under paragraph (1) was signed, and, in the case of an agreement with a country that is not a member of the North Atlantic Treaty Organization, the date on which the Secretary notified Congress pursuant to subsection (b)(2) of the designation of such country under subsection (a).
“(3) The total dollar amount and major categories of logistic support, supplies, and services provided during the preceding fiscal year under each such agreement.

“(4) The total dollar amount and major categories of reciprocal provisions of logistic support, supplies, and services received under each such agreement.

“(5) With respect to the calendar year during which the report is submitted, an assessment of the following:

“(A) The anticipated logistic support, supplies, and services requirements of the United States.

“(B) The anticipated requirements of other countries for United States logistic support, supplies, and services.”.

(c) DEFINITIONS.—Such section is further amended—

(1) in subsection (b)(2), by striking “the Committee on Armed Services” the first place it appears and all that follows through “the House of Represent- atives” and inserting “the appropriate committees of Congress”; and

(2) by adding at the end the following new sub- section:
“(h) In this section, the term ‘appropriate committees of Congress’ means—

“(1) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

“(2) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representa-
tives.”.

**SEC. 1262. EXTENSION OF AUTHORITY FOR TRANSFER OF AMOUNTS FOR GLOBAL ENGAGEMENT CEN-
TER.**

Section 1287(e)(1) of the National Defense Authoriza-
tion Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2546; 22 U.S.C. 2656 note) is amended—

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

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

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

“(C) for fiscal year 2019 are less than $80,000,000, the Secretary of Defense is author-
ized to transfer, from amounts appropriated by an Act authorizing funds for the De-
partment of Defense for fiscal year 2019, to the Secretary of State an amount, not to exceed
§60,000,000, to be available to carry out the functions of the Center for fiscal year 2019.”.

SEC. 1263. SENSE OF SENATE ON PURCHASE BY TURKEY OF S–400 AIR DEFENSE SYSTEM.

It is the sense of the Senate that if the Republic of Turkey purchases the S–400 air defense system from the Russian Federation—

(1) such purchase would constitute a significant transaction within the meaning of section 231(a) of the Countering Russian Influence in Europe and Eurasia Act of 2017 (title II of Public Law 115–44; 22 U.S.C. 9525(a)); and

(2) the President should faithfully execute that Act by imposing and applying sanctions under section 235 of that Act (22 U.S.C. 9529) with respect to any individual or entity determined to have engaged in such significant transaction as if such person were a sanctioned person for purposes of such section 235.

SEC. 1264. DEPARTMENT OF DEFENSE SUPPORT FOR STABILIZATION ACTIVITIES IN NATIONAL SECURITY INTEREST OF THE UNITED STATES.

(a) In General.—The Secretary of Defense may, with the concurrence of the Secretary of State and in consultation with the Administrator of the United States Agency for International Development and the Director of the Office
of Management and Budget, provide support for the sta-
bilization activities of other Federal agencies specified
under subsection (c).

(b) DESIGNATION OF FOREIGN AREAS.—

(1) IN GENERAL.—Amounts authorized to be pro-
vided pursuant to this section shall be available only
for support for stabilization activities—

(A) in a country specified in paragraph
(2); and

(B) that the Secretary of Defense, with the
concurrence of the Secretary of State, has deter-
mined are in the national security interest of the
United States.

(2) SPECIFIED COUNTRIES.—The countries speci-
fied in this paragraph are as follows:

(A) Iraq.

(B) Syria.

(C) Afghanistan.

(D) Somalia.

(c) SUPPORT TO OTHER AGENCIES.—

(1) IN GENERAL.—Support may be provided for
stabilization activities under subsection (a) to the De-
partment of State, the United States Agency for
International Development, or other Federal agencies,
on a reimbursable or nonreimbursable basis.
(2) **Type of Support.**—Support under subsection (a) may consist of—

(A) logistic support, supplies, and services;

and

(B) equipment.

(d) **Requirement for a Stabilization Strategy.**—

(1) **Limitation.**—With respect to any country specified in subsection (b)(2), no amount of support may be provided under subsection (a) until 15 days after the date on which the Secretary of Defense, with the concurrence of the Secretary of State, submits to the appropriate committees of Congress a detailed report setting forth a stabilization strategy for such country.

(2) **Elements of Determination.**—The stabilization strategy required by paragraph (1) shall set forth the following:

(A) The United States interests in conducting stabilization activities in the country specified in subsection (b)(2).

(B) The key foreign partners and actors in such country.
(C) The desired end states and objectives of the United States stabilization activities in such country.

(D) The Department of Defense support intended to be provided for the stabilization activities of other Federal agencies under section (a).

(E) Any mechanism for civil-military coordination regarding support for stabilization activities.

(F) The mechanisms for monitoring and evaluating the effectiveness of Department of Defense support for United States stabilization activities in the area.

(e) REQUIREMENT FOR GUIDANCE.—No amount of support may be provided under subsection (a) until 30 days after the date on which the Secretary of Defense submits to the appropriate committees of Congress written guidance for the design, implementation, monitoring, and evaluation of support provided under that subsection.

(f) REPORT.—The Secretary of Defense, with the concurrence of the Secretary of State, shall submit to the appropriate committees of Congress on an annual basis a report that includes the following:
(1) The identification of each foreign area within countries specified in subparagraph (b)(2) for which support to stabilization has occurred.

(2) The total amount spent by the Department of Defense, broken out by recipient Federal agency and activity.

(3) An assessment of the contribution of each activity toward greater stability.

(4) An articulation of any plans for continued Department of Defense support to stabilization in the specified foreign area in order to maintain or improve stability.

(5) Other matters as the Secretary considers to be appropriate.

(g) USE OF FUNDS.—

(1) SOURCE OF FUNDS.—Amounts for activities carried out under this section in a fiscal year shall be derived only from amounts authorized to be appropriated for such fiscal year for the Department of Defense for Operation and Maintenance, Defense-wide.

(2) LIMITATION.—Not more than $25,000,000 in each fiscal year is authorized to be used to provide support under this section.

(h) EXPIRATION.—The authority provided under this section may not be exercised after September 30, 2020.
(i) DEFINITIONS.—In this section:

(1) APPROPRIATE COMMITTEES OF CONGRESS.—

The term “appropriate committees of Congress” means—

(A) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

(B) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

(2) LOGISTIC SUPPORT, SUPPLIES, AND SERVICES.—The term “logistic support, supplies, and services” has the meaning given the term in section 2350(1) of title 10 United States Code.

SEC. 1265. ENHANCEMENT OF U.S.-ISRAEL DEFENSE OPERATION.

(a) EXTENSION OF WAR RESERVES STOCKPILE AUTHORITY.—Section 12001(d) of the Department of Defense Appropriations Act, 2005 (Public Law 108–287; 118 Stat. 1011) is amended by striking “after September 30, 2018” and inserting “after September 30, 2023”.

(b) JOINT ASSESSMENT OF QUANTITY OF PRECISION GUIDED MUNITIONS FOR USE BY ISRAEL.—

(1) IN GENERAL.—The President, acting through the Secretary of State and the Secretary of Defense,
is authorized to conduct a joint assessment with the Government of Israel with respect to the matters described in paragraph (2).

(2) MATTERS DESCRIBED.—The matters described in this paragraph are the following:

(A) The quantity and type of precision guided munitions that are necessary for Israel to combat Hezbollah in the event of a sustained armed confrontation between Israel and Hezbollah.

(B) The quantity and type of precision guided munitions that are necessary for Israel in the event of a sustained armed confrontation with other armed groups and terrorist organizations such as Hamas.

(C) The resources the Government of Israel plans to dedicate to acquire such precision guided munitions.

(D) United States planning to assist Israel to prepare for sustained armed confrontations described in this subsection as well as the ability of the United States to resupply Israel in the event of confrontations described in subparagraphs (A) and (B), if any.

(3) REPORT.—
(A) In General.—Not later than 15 days after the date on which the joint assessment authorized under paragraph (1) is completed, the President shall submit to the appropriate congressional committees a report that contains the joint assessment.

(B) Form.—The report required under subparagraph (A) shall be submitted in classified form, but may contain an unclassified summary.

(C) Appropriate Congressional Committees Defined.—In this paragraph, the term “appropriate congressional committees” means—

(i) the Committee on Foreign Relations and the Committee on Armed Services of the Senate; and

(ii) the Committee on Foreign Affairs and the Committee on Armed Services of the House of Representatives.

(c) Modification of Rapid Acquisition and Deployment Procedures.—

(A) in paragraph (1)(C), by striking “; and”;

(B) in paragraph (2), by striking the period at the end and inserting “; and”; and

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

“(3) urgently needed to support production of precision guided munitions—

“(A) for the United States to meet requirements; or

“(B) to assist an ally of the United States under direct missile threat from—

“(i) an organization the Secretary of State has designated as a foreign terrorist organization pursuant to section 219 of the Immigration and Nationality Act (8 U.S.C. 1189); or

“(ii) a country the government of which the Secretary of State has determined, for purposes of section 6(j) of the Export Administration Act of 1979 (50 U.S.C. 4605(j)) (as in effect pursuant to the International Emergency Economic Powers Act), section 620A of the Foreign Assistance Act of 1961 (22 U.S.C. 2371), section 40 of
the Arms Export Control Act (22 U.S.C. 2780), or any other provision of law, is a government that has repeatedly provided support for acts of international terrorism.”.

(2) Prescription of procedures.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall prescribe procedures for the rapid acquisition and deployment of supplies and associated support services for purposes described in paragraph (3) of section 806(a) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003, as added by paragraph (1)(C).

SEC. 1266. CERTIFICATIONS REGARDING ACTIONS BY SAUDI ARABIA IN YEMEN.

(a) Restriction.—

(1) In general.—Subject to paragraph (2), if the Secretary of State is unable under subsection (c) or (d) to certify that the Government of Saudi Arabia is undertaking the effort, measures, and actions described in paragraphs (1), (2), (3), and (4) of subsection (c), no Federal funds may be obligated or expended after the deadline for the applicable certification to provide authorized in-flight refueling pursuant to section 2342 of title 10, United States Code,
or other applicable statutory authority, of Saudi or
Saudi-led coalition non-United States aircraft con-
ducting missions in Yemen, other than missions re-
related to—

(A) al Qaeda, al Qaeda in the Arabian Pe-
ninsula (AQAP), or the Islamic State in Iraq
and Syria (ISIS);

(B) countering the transport, assembly, or
employment of ballistic missiles or components
in Yemen;

(C) helping coalition aircraft return safely
to base in emergency situations;

(D) force protection of United States air-
craft, ships, or personnel; or

(E) freedom of navigation for United States
military and international commerce.

(2) WAIVER.—The Secretary may waive the re-
striction in paragraph (1) with respect to a par-
ticular certification if the Secretary—

(A) certifies to the appropriate committees
of Congress that the waiver is in the national se-
curity interests of the United States; and

(B) submits to the appropriate committees
of Congress a report, in written and unclassified
form, setting forth—
(i) the effort in subsection (c)(1), measures in subsection (c)(2), or actions in subsections (c)(3) or (c)(4), or combination thereof; about which the Secretary is unable to make the certification;

(ii) a detailed explanation why the Secretary is unable to make the certification about such effort, measures, or actions;

(iii) a description of the actions the Secretary is taking to encourage the Government of Saudi Arabia to undertake such effort, measures, or actions; and

(iv) a detailed justification for the waiver.

(b) REPORTING REQUIREMENT.—Not later than 30 days after the date of the enactment of this Act, the President or the President’s designee shall provide a briefing to the appropriate committees of Congress including, at a minimum—

(1) a description of Saudi Arabia and the United Arab Emirates’ military and political objectives in Yemen and whether United States assistance to the Saudi-led coalition has resulted in significant progress towards meeting those objectives;
(2) a description of efforts by the Government of Saudi Arabia to avoid disproportionate harm to civilians and civilian objects in Yemen, and an assessment of whether United States assistance to the Saudi-led coalition has led to a demonstrable decrease in civilians killed or injured by Saudi-led airstrikes and damage to civilian infrastructure;

(3) an assessment of the United Nations Verification and Inspection Mechanism (UNVIM) in Yemen and an assessment of the need for existing secondary inspection and clearance processes and transshipment requirements on humanitarian and commercial vessels that have been cleared by UNVIM;

(4) a description of the sources of external support for the Houthi forces, including financial assistance, weapons transfers, operational planning, training, and advisory assistance;

(5) an assessment of the applicability of United States and international sanctions to Houthi forces that have committed grave human rights abuses, obstructed international aid, and launched ballistic missiles into Saudi territory, and an assessment of the applicability of United States and international sanctions to individuals or entities providing the Houthi forces with material support; and
(6) an assessment of the effect of the Saudi-led coalition’s military operations in Yemen on the efforts of the United States to defeat al Qaeda in the Arabian Peninsula and the Islamic State of Iraq and the Levant.

(c) INITIAL CERTIFICATION.—Not later than 30 days after the date of the enactment of this Act, the Secretary of State shall submit to the appropriate committees of Congress a certification indicating whether the Government of Saudi Arabia is undertaking—

(1) an urgent and good faith effort to support diplomatic efforts to end the civil war in Yemen;

(2) appropriate measures to alleviate the humanitarian crisis in Yemen by increasing access for Yemenis to food, fuel, medicine, and medical evacuation, including through the appropriate use of Yemen’s Red Sea ports, including the port of Hudaydah, the airport in Sana’a, and external border crossings with Saudi Arabia;

(3) appropriate actions to reduce any unnecessary delays to shipments associated with secondary inspection and clearance processes other than the United Nations Verification and Inspections Mechanism (UNVIM); and
(4) demonstrable actions to reduce the risk of harm to civilians and civilian infrastructure resulting from its military operations in Yemen, including by—

(A) complying with applicable agreements and laws regulating defense articles purchased or transferred from the United States; and

(B) taking appropriate steps to avoid disproportionate harm to civilians and civilian infrastructure.

(d) Subsequent Certifications.—Not later than 180 and 360 days after the date of the enactment of this Act, the Secretary of State shall submit to the appropriate committees of Congress a certification indicating whether the Government of Saudi Arabia is undertaking the effort, measures, and actions described in paragraphs (1), (2), (3), and (4) of subsection (c).

(e) Rule of Construction.—Nothing in this section may be construed as authorizing the use of military force.

(f) Form of Certifications.—The certifications required under subsections (c) and (d) shall be written, detailed, and submitted in unclassified form.

(g) Strategy Required.—Not later than 90 days after the date of the enactment of this Act, the Secretary of State, in coordination with the Secretary of Defense and
the Administrator of the United States Agency for International Development, shall submit to the appropriate committees of Congress an unclassified report listing United States objectives in Yemen and detailing a strategy to accomplish those objectives. The report shall be unclassified but may include a classified annex.

(h) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means—

(1) the Committee on Foreign Relations, the Committee on Armed Services, and the Committee on Appropriations of the Senate; and

(2) the Committee on Foreign Affairs, the Committee on Armed Services, and the Committee on Appropriations of the House of Representatives.

SEC. 1267. SENSE OF SENATE ON SUPPORT FOR G5 SAHEL JOINT FORCE COUNTRIES.

It is the sense of the Senate that the United States should—

(1) work with partners and allies to disrupt violent extremist organizations in the Sahel region that threaten United States security interests;

(2) enhance cooperation with G5 Sahel Joint Force countries, which are—

(A) Burkina Faso;
(B) Mali;
(C) Mauritania;
(D) Niger; and
(E) Chad;

(3) continue to support the efforts of each G5 Sahel Joint Force country—

(A) to improve security along the respective borders of each country through the cooperation and deployment of joint patrols to interdict the cross-border flows of illicit trafficking and violent extremist groups;
(B) to address underlying sources of instability in each country through a whole-of-government approach; and
(C) to build and sustain in each country—

(i) an effective, accountable government;
(ii) a capable and professional military; and
(iii) a healthy economy; and

(4) ensure that any assistance of the United States to a G5 Sahel Joint Force country is undertaken as a whole-of-government effort that balances all instruments of United States national power.
SEC. 1268. SENSE OF CONGRESS ON BROADENING AND EXPANDING STRATEGIC PARTNERSHIPS AND ALLIES.

It is the sense of Congress that—

(1) the United States is an ally-rich country and our potential competitors, such as Russia, China, and North Korea, are ally-poor countries;

(2) United States allies and partners are critical to defending peace and prosperity throughout the world;

(3) the rules-based international order supported by the United States and its allies has ensured, and will continue to promote, an international system that benefits all nations;

(4) throughout the world, the United States will continue to foster relationships with countries with like minds and beliefs;

(5) as the United States manages multiple strategic challenges, the enduring strength of the United States remains in alliances such as the North Atlantic Treaty Organization, the Rio Treaty, and mutual defense treaties with Japan, the Republic of Korea, Australia, the Philippines, and Thailand;

(6) the resolve of the United States remains as strong as ever to forge new alliances and partnerships with countries in order to jointly to work with one
another on shared challenges in Europe, the Indo-Pa-
cific and throughout the world;

(7) the United States will continue to invest in
critical capabilities, build a force posture that de-
creases the vulnerabilities of the United States and
increases resiliency, all of which will help reassure the
allies and partners of the United States;

(8) the United States will encourage allies and
partners to be full and cooperative partners in their
own defense and the defense of the free and open
international order; and

(9) the United States will continue to deepen
and expand alliances, especially in the Indo-Pacific,
and will take no ally for granted.

SEC. 1269. REMOVAL OF TURKEY FROM THE F–35 PROGRAM.

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

(1) The Government of the Republic of Turkey
continues to unlawfully and wrongfully detain An-
drew Brunson, a United States citizen, and continues
to deny Mr. Brunson due process rights consistent
with international norms.

(2) The Government of the Republic of Turkey
has wrongly charged Andrew Brunson with belonging
to a terrorist organization and engaging in terrorist
activities.
(3) The Government of the Republic of Turkey, including the senior leadership of the government, bears direct responsibility for the health and safety of Andrew Brunson while he remains in the custody of the Government of the Republic of Turkey.

(4) Congress will not tolerate any foreign government’s efforts to use United States citizens for political leverage.

(5) President Erdogan, along with other senior officials of the Government of the Republic of Turkey, have publicly and repeatedly stated the intention of the Government of the Republic of Turkey to purchase the S–400 system from Russia, an act that is sanctionable under current United States law.

(6) Any effort by the Government of the Republic of Turkey to further enhance their relationship with Russia will degrade the general security of the NATO alliance, and NATO member countries, and degrade interoperability of the alliance.

(b) REPORT.—The Secretary of Defense shall submit to the appropriate congressional committees a plan to remove the Government of the Republic of Turkey from participation in the F–35 program, to include industrial and military aspects of the program. The plan shall include:
(1) steps required to unwind industrial participation of Turkish industry in the manufacturing and assembly of the F–35 program;

(2) costs associated with replacing tooling and other manufacturing materials held by Turkish industry;

(3) timelines associated with the removal of the Government of the Republic of Turkey and Turkish industry from participation in the F–35 program, so as to cause the least impact on the remaining international program partners; and

(4) steps required to prohibit the transfer of any F–35 aircraft currently owned and operated, by the Government of the Republic of Turkey, from the territory of the United States.

(c) LIMITATION ON THE TRANSFER OF THE F–35 TO TURKEY.—The Department of Defense may not transfer the title for any F–35 aircraft to the Government of the Republic of Turkey, until such time as the report identified in subsection (b) has been submitted.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the congressional defense committees; and
(2) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1270. INCREASE IN MINIMUM AMOUNT OF OBLIGATIONS FROM THE SPECIAL DEFENSE ACQUISITION FUND FOR PRECISION GUIDED MUNITIONS.

(a) INCREASE.—Section 114(c)(3) of title 10, United States Code, is amended by striking “20 percent” and inserting “25 percent”.

(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall take effect on October 1, 2018, and shall apply with respect to fiscal years beginning on and after that date.

TITLE XIII—COOPERATIVE THREAT REDUCTION

SEC. 1301. SPECIFICATION OF COOPERATIVE THREAT REDUCTION FUNDS.

(a) FISCAL YEAR 2019 COOPERATIVE THREAT REDUCTION FUNDS DEFINED.—In this title, the term “fiscal year 2019 Cooperative Threat Reduction funds” means the funds appropriated pursuant to the authorization of appropriations in section 301 and made available by the funding table in section 4301 for the Department of Defense Cooperative Threat Reduction Program established under section

† HR 5515 PAP
$(b)$ AVAILABILITY OF FUNDS.—Funds appropriated pursuant to the authorization of appropriations in section 301 and made available by the funding table in section 4301 for the Department of Defense Cooperative Threat Reduction Program shall be available for obligation for fiscal years 2019, 2020, and 2021.

SEC. 1302. FUNDING ALLOCATIONS.

Of the $335,240,000 authorized to be appropriated to the Department of Defense for fiscal year 2019 in section 301 and made available by the funding table in section 4301 for the Department of Defense Cooperative Threat Reduction Program established under section 1321 of the Department of Defense Cooperative Threat Reduction Act (50 U.S.C. 3711), the following amounts may be obligated for the purposes specified:

$(1)$ For strategic offensive arms elimination, $2,823,000.

$(2)$ For chemical weapons destruction, $5,446,000.

$(3)$ For global nuclear security, $29,001,000.

$(4)$ For cooperative biological engagement, $197,585,000.

$(5)$ For proliferation prevention, $74,937,000.
(6) For activities designated as Other Assessments/Administrative Costs, $25,448,000.

**TITLE XIV—OTHER AUTHORIZATIONS**

**Subtitle A—Military Programs**

**SEC. 1401. WORKING CAPITAL FUNDS.**

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for providing capital for working capital and revolving funds, as specified in the funding table in section 4501.

**SEC. 1402. CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE.**

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 for expenses, not otherwise provided for, for Chemical Agents and Munitions Destruction, Defense, as specified in the funding table in section 4501.

(b) Use.—Amounts authorized to be appropriated under subsection (a) are authorized for—

(1) the destruction of lethal chemical agents and munitions in accordance with section 1412 of the Department of Defense Authorization Act, 1986 (50 U.S.C. 1521); and
(2) the destruction of chemical warfare materiel
of the United States that is not covered by section
1412 of such Act.

SEC. 1403. DRUG INTERDICTION AND COUNTER-DRUG AC-
TIVITIES, DEFENSE-WIDE.

Funds are hereby authorized to be appropriated for the
Department of Defense for fiscal year 2019 for expenses, not
otherwise provided for, for Drug Interdiction and Counter-
Drug Activities, Defense-wide, as specified in the funding
table in section 4501.

SEC. 1404. DEFENSE INSPECTOR GENERAL.

Funds are hereby authorized to be appropriated for the
Department of Defense for fiscal year 2019 for expenses, not
otherwise provided for, for the Office of the Inspector Gen-
eral of the Department of Defense, as specified in the fund-
ing table in section 4501.

SEC. 1405. DEFENSE HEALTH PROGRAM.

Funds are hereby authorized to be appropriated for fis-
cal year 2019 for the Defense Health Program, as specified
in the funding table in section 4501, for use of the Armed
Forces and other activities and agencies of the Department
of Defense in providing for the health of eligible bene-
eficiaries.
Subtitle B—National Defense
Stockpile

SEC. 1411. CONSOLIDATION OF REPORTING REQUIREMENTS UNDER THE STRATEGIC AND CRITICAL MATERIALS STOCK PILING ACT.

Section 11 of the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98h–2) is amended—

(1) in subsection (a), by striking “January 15 of” and inserting “February 15”; and

(2) in subsection (b)—

(A) in paragraph (1), by striking “Not later” and all that follows through “report containing” and inserting “Each report under subsection (a) shall also include”; and

(B) in paragraph (2)—

(i) by striking “Each such report” in the first sentence and inserting “Each report under subsection (a) with respect to matters covered by this subsection”; and

(ii) by striking “Each such report” in the second sentence and inserting “Each report under subsection (a) with respect to such matters”.

† HR 5515 PAP
Subtitle C—Armed Forces Retirement Home

SEC. 1421. AUTHORIZATION OF APPROPRIATIONS FOR ARMED FORCES RETIREMENT HOME.

There is hereby authorized to be appropriated for fiscal year 2019 from the Armed Forces Retirement Home Trust Fund the sum of $64,300,000 for the operation of the Armed Forces Retirement Home.

SEC. 1422. EXPANSION OF ELIGIBILITY FOR RESIDENCE AT THE ARMED FORCES RETIREMENT HOME.

Section 1512 of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 412) is amended to read as follows:

“SEC. 1512. RESIDENTS OF RETIREMENT HOME.

“(a) PERSONS ELIGIBLE TO BE RESIDENTS.—Except as provided in subsection (b), the following persons who served as members of the Armed Forces, at least one-half of whose service was not active commissioned service (other than as a warrant officer or limited-duty officer), are eligible to become residents of the Retirement Home:

“(1) Persons who are 60 years of age or over and were discharged or released from service in the Armed Forces after 20 or more years of active service.

“(2) Persons who are determined under rules prescribed by the Chief Operating Officer to be suf-
fering from a service-connected disability incurred in the line of duty in the Armed Forces.

“(3) Persons who served in a war theater during a time of war declared by Congress or were eligible for hostile fire special pay under section 310 or 351 of title 37, United States Code, and who are determined under rules prescribed by the Chief Operating Officer to be suffering from injuries, disease, or disability.

“(4) Persons who served in a women’s component of the Armed Forces before June 12, 1948, and are determined under rules prescribed by the Chief Operating Officer to be eligible for admission because of compelling personal circumstances.

“(b) PERSONS INELIGIBLE TO BE RESIDENTS.—The following persons are ineligible to become a resident of the Retirement Home:

“(1) A person who—

“(A) has been convicted of a felony; or

“(B) was discharged or released from service in the Armed Forces under other than honorable conditions.

“(2) A person with substance abuse or mental health problems, except upon a judgment and satisfac-
tory determination by the Chief Operating Officer that—

“(A) the person has been evaluated by a qualified health professional selected by the Retirement Home;

“(B) the Retirement Home can accommodate the person’s condition; and

“(C) the person agrees to such conditions of residency as the Retirement Home may require.

“(c) ACCEPTANCE.—To apply for acceptance as a resident of a facility of the Retirement Home, a person eligible to be a resident shall submit to the Administrator of that facility an application in such form and containing such information as the Chief Operating Officer may require.

“(d) PRIORITIES FOR ACCEPTANCE.—The Chief Operating Officer shall establish a system of priorities for the acceptance of residents so that the most deserving applicants will be accepted whenever the number of eligible applicants is greater than the Retirement Home can accommodate.

“(e) SPOUSES OF RESIDENTS.—

“(1) AUTHORITY TO ADMIT.—Except as otherwise established pursuant to subsection (d), the spouse of a person accepted as a resident of a facility of the
Retirement Home may be admitted to that facility if the spouse—

“(A) is a covered beneficiary within the meaning of section 1072(5) of title 10, United States Code;

“(B) is not ineligible to become a resident as provided in subsection (b); and

“(C) submits an application for admittance in accordance with subsection (c).

“(2) TREATMENT AS RESIDENT.—A spouse admitted in accordance with paragraph (1) shall be a resident of the Retirement Home consistent with this Act, except as the Chief Operating Officer may otherwise provide.”.

SEC. 1423. OVERSIGHT OF HEALTH CARE PROVIDED TO RESIDENTS OF THE ARMED FORCES RETIREMENT HOME.

Section 1513A(c) of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 413a(c)) is amended—

(1) by striking paragraph (1) and inserting the following new paragraph (1):

“(1) Facilitate and monitor the timely availability to residents of the Retirement Home such medical, mental health, and dental care services as such
residents may require at locations other than the Retirement Home.”; and

(2) in paragraph (2), by striking “Ensure” and inserting “Monitor”.

SEC. 1424. MODIFICATION OF AUTHORITY ON ACCEPTANCE OF GIFTS FOR THE ARMED FORCES RETIREMENT HOME.

Paragraph (1) of section 1515(f) of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 415(f)) is amended to read as follows:

“(1) The Chief Operating Officer may accept, receive, solicit, hold, administer, and use any gift, devise, or bequest, either absolutely or in trust, of real or personal property, or any income therefrom or other interest therein, for the benefit of the Retirement Home.”.

SEC. 1425. RELIEF FOR RESIDENTS OF THE ARMED FORCES RETIREMENT HOME IMPACTED BY INCREASE IN FEES.

(a) Prohibition on Removal for Inability To Pay Fee Increase.—A resident of the Armed Forces Retirement Home as of September 30, 2018, may not be removed or released from the Retirement Home after that date based solely upon the inability of the resident to pay the amount of any increase in fees applicable to residents of the Retirement Home that takes effect on October 1, 2018.
(b) OTHER RELIEF.—The Chief Operating Officer of the Armed Forces Retirement Home shall take all actions practicable to accommodate residents of the Retirement Home who are impacted by the fee structure applicable to residents of the Retirement Home that takes effect on October 1, 2018, including through hardship relief, additional deductions from gross income, and other appropriate actions.

SEC. 1426. LIMITATION ON APPLICABILITY OF FEE INCREASE FOR RESIDENTS OF THE ARMED FORCES RETIREMENT HOME.

In the case of an individual who was a resident of the Armed Forces Retirement Home as of April 9, 2018, the increase in fees pursuant to the increase in fees for residents of the Home scheduled to take effect on October 1, 2018, may not exceed an amount equal to 50 percent of the fees payable by such individual as such a resident as of April 9, 2018.
Subtitle D—Other Matters

SEC. 1431. AUTHORITY FOR TRANSFER OF FUNDS TO JOINT

DEPARTMENT OF DEFENSE-DEPARTMENT OF

VETERANS AFFAIRS MEDICAL FACILITY DEM-

ONSTRATION FUND FOR CAPTAIN JAMES A.

LOVELL HEALTH CARE CENTER, ILLINOIS.

(a) Authority for Transfer of Funds.—Of the

funds authorized to be appropriated by section 1405 and

available for the Defense Health Program for operation and

maintenance, $113,000,000 may be transferred by the Sec-

retary of Defense to the Joint Department of Defense-De-

partment of Veterans Affairs Medical Facility Demostra-

tion Fund established by subsection (a)(1) of section 1704

of the National Defense Authorization Act for Fiscal Year

2010 (Public Law 111–84; 123 Stat. 2571). For purposes

of subsection (a)(2) of such section 1704, any funds so

transferred shall be treated as amounts authorized and ap-

propriated specifically for the purpose of such a transfer.

(b) Use of Transferred Funds.—For the purposes

of subsection (b) of such section 1704, facility operations

for which funds transferred under subsection (a) may be

used are operations of the Captain James A. Lovell Federal

Health Care Center, consisting of the North Chicago Vet-

erans Affairs Medical Center, the Navy Ambulatory Care

Center, and supporting facilities designated as a combined

SEC. 1432. ECONOMICAL AND EFFICIENT OPERATION OF WORKING CAPITAL FUND ACTIVITIES.

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

(1) by inserting “(1)” after “(e)”; and

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

“(2) The accomplishment of the most economical and efficient organization and operation of working capital fund activities for the purposes of paragraph (1) shall include actions toward the following:

“(A) The implementation of a workload plan that optimizes the efficiency of the workforce operating within a working capital fund activity and reduces the rate structure.

“(B) Encouraging a working capital fund activity to perform reimbursable work for other entities to sustain the efficient use of the workforce.

“(C) Determining the appropriate leadership level for approving work from outside entities to maximize efficiency.”.
TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

Subtitle A—Authorizations of Appropriations

SEC. 1501. PURPOSE.

The purpose of this subtitle is to authorize appropriations for the Department of Defense for fiscal year 2019 to provide additional funds for overseas contingency operations being carried out by the Armed Forces.

SEC. 1502. OVERSEAS CONTINGENCY OPERATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the Department of Defense for overseas contingency operations in such amounts as may be designated as provided in section 251(b)(2)(A)(ii) of the Balanced Budget and Emergency Deficit Control Act of 1985 (2 U.S.C. 901(b)(2)(A)(ii)).

SEC. 1503. PROCUREMENT.

Funds are hereby authorized to be appropriated for fiscal year 2019 for procurement accounts for the Army, the Navy and the Marine Corps, the Air Force, and Defense-wide activities, as specified in the funding table in section 4102.
SEC. 1504. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Department of Defense for research, development, test, and evaluation, as specified in the funding table in section 4202.

SEC. 1505. OPERATION AND MAINTENANCE.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for operation and maintenance, as specified in the funding table in section 4302.

SEC. 1506. MILITARY PERSONNEL.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for military personnel, as specified in the funding table in section 4402.

SEC. 1507. WORKING CAPITAL FUNDS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for providing capital for working capital and revolving funds, as specified in the funding table in section 4502.
SEC. 1508. DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE-WIDE.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 for expenses, not otherwise provided for, for Drug Interdiction and Counter-Drug Activities, Defense-wide, as specified in the funding table in section 4502.

SEC. 1509. DEFENSE INSPECTOR GENERAL.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 for expenses, not otherwise provided for, for the Office of the Inspector General of the Department of Defense, as specified in the funding table in section 4502.

SEC. 1510. DEFENSE HEALTH PROGRAM.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 for expenses, not otherwise provided for, for the Defense Health Program, as specified in the funding table in section 4502.

Subtitle B—Financial Matters

SEC. 1521. TREATMENT AS ADDITIONAL AUTHORIZATIONS.

The amounts authorized to be appropriated by this title are in addition to amounts otherwise authorized to be appropriated by this Act.

SEC. 1522. SPECIAL TRANSFER AUTHORITY.

(a) Authority To Transfer Authorizations.—
(1) AUTHORITY.—Upon determination by the Secretary of Defense that such action is necessary in the national interest, the Secretary may transfer amounts of authorizations made available to the Department of Defense in this title for fiscal year 2019 between any such authorizations for that fiscal year (or any subdivisions thereof). Amounts of authorizations so transferred shall be merged with and be available for the same purposes as the authorization to which transferred.

(2) LIMITATION.—The total amount of authorizations that the Secretary may transfer under the authority of this subsection may not exceed $3,500,000,000.

(b) TERMS AND CONDITIONS.—Transfers under this section shall be subject to the same terms and conditions as transfers under section 1001.

(c) ADDITIONAL AUTHORITY.—The transfer authority provided by this section is in addition to the transfer authority provided under section 1001.

Subtitle C—Other Matters

SEC. 1531. JOINT IMPROVISED-THREAT DEFEAT ORGANIZATION.

(a) USE AND TRANSFER OF FUNDS.—

(2) **REFERENCES TO JOINT IMPROVISED EXPLOSIVE DEVICE DEFEAT FUND.**—In the application of paragraph (1) to the use of funds described in that paragraph in fiscal year 2019, any reference in the subsections referred to in that paragraph to the Joint Improvised Explosive Device Defeat Fund shall be deemed to be a reference to the Joint Improvised-Threat Defeat Organization.

(b) **INTERDICTION OF IMPROVISED EXPLOSIVE DEVICE PRECURSOR CHEMICALS.**—

(1) **AVAILABILITY OF FUNDS.**—Of the amounts authorized to be appropriated for fiscal year 2019 for the Department of Defense by this Act for the Joint Improvised-Threat Defeat Organization, $15,000,000 may be made available to the Secretary of Defense,
with the concurrence of the Secretary of State, to provide training, equipment, supplies, and services to ministries and other entities of foreign governments that the Secretary of Defense has identified as critical for countering the flow of improvised explosive device precursor chemicals.

(2) Provision through Other United States Agencies.—If jointly agreed upon by the Secretary of Defense and the head of another department or agency of the United States Government, the Secretary of Defense may transfer amounts made available under paragraph (1) to such department or agency for the provision by such department or agency of training, equipment, supplies, and services to ministries and other entities of foreign governments as described in that paragraph.

(3) Notice to Congress.—None of the funds made available under paragraph (1) may be obligated or expended to supply training, equipment, supplies, or services to a foreign country before the date that is 15 days after the date on which the Secretary of Defense, in coordination with the Secretary of State, has submitted to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House
of Representatives a notice that includes each of the following:

(A) The name of the foreign country for which training, equipment, supplies, or services are proposed to be supplied.

(B) A description of the training, equipment, supplies, and services to be provided to such foreign country using such funds.

(C) A detailed description of the amounts proposed to be obligated or expended to supply such training, equipment, supplies, or services, including—

(i) any amounts proposed to be obligated or expended to support the participation of a department or agency of the United States Government other than the Department of Defense; and

(ii) a description of the training, equipment, supplies, or services proposed to be supplied.

(D) An evaluation of the effectiveness of the efforts of such foreign country to counter the flow of improvised explosive device precursor chemicals.
(E) An overall plan for countering the flow of precursor chemicals in such foreign country.

(4) EXPIRATION.—The authority provided by this subsection expires on December 31, 2019.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

Subtitle A—Space Activities

SEC. 1601. MODIFICATIONS TO SPACE RAPID CAPABILITIES OFFICE.

Section 2273a of title 10, United States Code, is amended—

(1) in subsection (a), by striking “joint”;

(2) in subsection (b), in the first sentence, by striking “Department of Defense Executive Agent for Space” and inserting “Secretary of the Air Force”;

(3) in subsection (c)—

(A) in paragraph (1), by striking “; and” and inserting a semicolon;

(B) in paragraph (2), by striking the period at the end and inserting “; and”; and

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

“(3) to rapidly develop and field new classified space capabilities.”; and
(4) by striking subsections (d) through (g) and
inserting the following new subsections (d) through
(f):

“(d) ACQUISITION AUTHORITY.—The acquisition ac-
tivities of the Office shall be subject to the following:

“(1) The Secretary of the Air Force shall des-
ignate the acquisition executive of the Office, who
shall provide streamlined acquisition authority for
any project of the Office.

“(2) The Joint Capabilities Integration and De-
velopment System process shall not apply to any ac-
quision by the Office.

“(3) The Joint Force Space Component of the
United States Strategic Command shall establish,
validate, and prioritize program requirements.

“(e) REQUIRED PROGRAM ELEMENT.—

“(1) The Secretary of the Air Force shall ensure,
within budget program elements for space programs,
that—

“(A) there are separate, dedicated program
elements for unclassified and classified activities
relating to space rapid capabilities; and

“(B) the Office executes the responsibilities
of the Office through those program elements.
“(2) The Office shall manage the program elements required by paragraph (1).

“(f) BOARD OF DIRECTORS.—The Secretary of the Air Force shall establish for the Office a Board of Directors (to be known as the ‘Space Rapid Capabilities Board of Directors’) to provide coordination, oversight, and approval of projects for the Office.”.

SEC. 1602. SPACE WARFIGHTING POLICY AND REVIEW OF SPACE CAPABILITIES.

(a) SPACE WARFIGHTING POLICY.—Not later than March 29, 2019, the Secretary of Defense shall develop a space warfighting policy.

(b) REVIEW OF SPACE CAPABILITIES.—

(1) IN GENERAL.—The Secretary shall conduct a review relating to the national security space enterprise that evaluates the following:

(A) The resiliency of the national security space enterprise with respect to a conflict.

(B) The ability of the national security space enterprise to attribute an attack on a space system in a timely manner.

(C) The ability of the United States—

(i) to resolve a conflict in space; and

(ii) to determine the material means by which such conflict may be resolved.
(D) The ability of the national security space enterprise—

(i) to defend against aggressive behavior in space at all levels of conflict;

(ii) to defeat any adversary that demonstrates aggressive behavior in space at all levels of conflict;

(iii) to deter aggressive behavior in space at all levels of conflict; and

(iv) to develop a declassification strategy, if required to demonstrate deterrence.

(E) The effectiveness and efficiency of the national security space enterprise to rapidly research, develop, acquire, and deploy space capabilities and capacities—

(i) to deter and defend United States national security space assets; and

(ii) to respond to any new threat to such space assets.

(F) The current organizational structure of the national security space enterprise with respect to roles, responsibilities, and authorities.

(G) Any emerging space threat the Secretary expects the United States to confront dur-
ing the 10-year period beginning on the date of
the enactment of this Act.

(H) Such other matters as the Secretary
considers appropriate.

(2) REPORT.—

(A) IN GENERAL.—Not later than March
29, 2019, the Secretary shall submit to the con-
gressional defense committees a report on the
findings of the review under paragraph (1).

(B) FORM.—The report under subpara-
graph (A) shall be submitted in unclassified
form, but may include a classified annex.

SEC. 1603. REPORT ON ENHANCEMENTS TO THE GLOBAL
POSITIONING SYSTEM OPERATIONAL CON-
TROL SEGMENT.

(a) IN GENERAL.—Not later than one year after the
date of the enactment of this Act, the Secretary of Defense
shall submit to the congressional defense committees a re-
port that identifies whether the current Global Positioning
System Operational Control Segment (OCS) can be incre-
mentally improved to achieve capabilities similar to the
Next Generation Operational Control Segment (OCX) used
to operate the Global Positioning System III.

(b) ELEMENTS.—The report required under subsection
(a) shall include the following elements:
(1) A cybersecurity review of both OCS and OCX to determine the specific cybersecurity improvements needed to operate the system through 2030, including—

(A) the cybersecurity improvements to OCS needed to match the cybersecurity capabilities that OCX is intended to provide;

(B) any additional OCS cybersecurity protections needed beyond those OCX is intended to provide; and

(C) any additional OCX cybersecurity protections needed beyond those for which OCX is currently contracted.

(2) An incremental development plan for OCS, including—

(A) the number of additional incremental upgrades needed to achieve capabilities similar to OCX, including a discussion of—

(i) any additional capabilities needed;

(ii) the specific capabilities in each upgrade;

(iii) the duration of each upgrade; and

(iv) a full schedule to complete all upgrades;
(B) the estimated cost for each incremental OCS upgrade; and

(C) the total estimated cost across fiscal years for all OCS upgrades to achieve capabilities similar to OCX and any additional capabilities.

(3) The date by which the Department of Defense would have to begin contracting for each incremental OCS upgrade to ensure availability of OCS for the Global Positioning System III.

(4) A comparison of current improvements to OCS that are underway, and additional OCS incremental improvements described under paragraph 2, to the program of record OCX capabilities, including—

(A) the acquisition and sustainment cost by fiscal year through fiscal year 2030 for OCS and OCX;

(B) a comparison schedule between OCS (including incremental improvements described under paragraph 2) and OCX that identifies the delivery dates and capability delivered; and

(C) the cost and schedule required to provide OCX with any additional needed capabilities that are now required and not currently in the program of record.
SEC. 1604. STREAMLINE OF COMMERCIAL SPACE LAUNCH OPERATIONS.


(1) in subsection (c)—

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

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

“(2) STREAMLINING.—

“(A) IN GENERAL.—With respect to any licensed activity under chapter 509 of title 51, United States Code, the Secretary of Defense may not impose any requirement on a licensee or transferee that is duplicative of, or overlaps in intent with, any requirement imposed by the Secretary of Transportation under that chapter.

“(B) WAIVER.—The Secretary of Defense may waive the limitation under subparagraph (A) if the Secretary determines that imposing a requirement described in that subparagraph is necessary to avoid negative consequences for the national security space program.”; and

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

† HR 5515 PAP
“(d) Effect of Law.—Nothing in this section limits the ability of the Secretary of Defense to consult with the Secretary of Transportation with respect to requirements and approvals under chapter 509 of title 51, United States Code.”.

SEC. 1605. REUSABLE LAUNCH VEHICLES.

(a) Reusability.—The Evolved Expendable Launch Vehicle Program shall be designated as the “National Security Space Launch Program”.

(b) Reference to Evolved Expendable Launch Vehicle Program.—Any reference in any law, regulation, guidance, instruction, map, document, record, or other paper of the United States to the Evolved Expendable Launch Vehicle Program shall be deemed to be a reference to the National Security Space Launch Program.

(c) Policy.—In carrying out the policy set forth in section 2273 of title 10, United States Code, the Secretary of Defense shall pursue a strategy that includes fully or partially reusable launch systems.

(d) Certification Strategy.—The Secretary shall continue to develop a process to evaluate and certify launch vehicles using previously flown components or systems for national security space launch.

(e) Reporting Requirement.—Not less than 60 days before the date on which a solicitation for procurement of
space launch services is issued, the Secretary shall submit to the congressional defense committees a report that sets forth—

(1) a determination with respect to whether launch vehicles using previously flown components, or systems or with components or systems that are intended to be reused, that could otherwise meet mission requirements are eligible for award; and

(2) in the case of a determination that such launch vehicles shall not be eligible for award, a justification with respect to the reason for ineligibility.

SEC. 1606. REVIEW OF AND REPORT ON ACTIVITIES OF INTERNATIONAL SPACE STATION.

(a) In General.—Not later than March 1, 2019, the Secretary of Defense shall—

(1) in coordination with the Administrator of the National Aeronautics and Space Administration, complete a review of each program, activity, and future technology research project of the Department of Defense being carried out on the International Space Station as of that date; and

(2) submit to the appropriate committees of Congress a report that describes the results of the review under paragraph (1).
(b) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means—

(1) the Committee on Armed Services and the Committee on Commerce, Science, and Transportation of the Senate; and

(2) the Committee on Armed Services, the Committee on Energy and Commerce, and the Committee on Science, Space, and Technology of the House of Representatives.

Subtitle B—Defense Intelligence and Intelligence-related Activities

SEC. 1611. FRAMEWORK ON GOVERNANCE, MISSION MANAGEMENT, RESOURCING, AND EFFECTIVE OVERSIGHT OF DEPARTMENT OF DEFENSE COMBAT SUPPORT AGENCIES THAT ARE ALSO ELEMENTS OF THE INTELLIGENCE COMMUNITY.

(a) FRAMEWORK REQUIRED.—

(1) IN GENERAL.—In accordance with section 105 of the National Security Act of 1947 (50 U.S.C. 3038), section 193 of title 10, United States Code, and section 1018 of the Intelligence Reform and Terrorism Prevention Act of 2004 (Public Law 108–458; 50 U.S.C. 3023 note), the Secretary of Defense shall de-
velop and codify in policy a framework and sup-
porting processes within the Department of Defense to
help ensure that the missions, roles, and functions of
the Combat Support Agencies (CSA) of the Depart-
ment of Defense that are also elements of the intel-
ligence community (IC), and other intelligence com-
ponents of the Department, are appropriately bal-
anced and resourced.

(2) Scope.—The framework shall include a con-
sistent, repeatable process for regular reevaluation of
the responsibilities and resource profiles of the ele-
ments described in paragraph (1) for purposes of pre-
venting imbalances in priorities, insufficient or mis-
aligned resources, and mission creep.

(b) Elements.—The framework required by sub-
section (a) shall include the following:

(1) A lexicon of relevant terms used by the De-
partment of Defense to ensure consistent definitions
are used in determinations about the balance de-
scribed in subsection (a)(1), which lexicon shall re-
concile and codify jointly-used definitions.

(2) A reevaluation of the intelligence components
of the Department, including the Joint Intelligence
Centers and Joint Intelligence Operations Centers
within the combatant commands, in order to deter-
mine which components should be formally designated as part of the intelligence community and any components not so designated conform to relevant tradecraft standards.

(3) A repeatable Department process for evaluating the addition, transfer, or elimination of defense intelligence missions, roles, and functions, currently or to be performed by elements described in subsection (a)(1), which process shall include the following:

(A) A justification for any proposed addition, transfer, or elimination of a mission, role, or function.

(B) The identification of the elements in the Federal Government, if any, that currently perform the mission, role, or function concerned.

(C) For any proposed addition of a mission, role, or function, an assessment of the most appropriate element of the Department to assume it, taking into account current resource profiles, scope of existing responsibilities, primary customers, and infrastructure necessary to support the addition.

(D) For any proposed addition of transfer of a mission, role, or function—
(i) a determination of the appropriate resource profile for such mission, role, or function; and
(ii) the identification, in writing, for the Department elements concerned of the resources anticipated to be needed and source of such resources within the future-years defense program in effect at the time of the proposed addition or transfer.

(c) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall provide to the appropriate committees of Congress a briefing on the framework required by subsection (a).

(d) POLICY.—Not later than 270 days after the date of the enactment of this Act, the Secretary shall submit to the appropriate committees of Congress a report setting forth the policy that codifies the framework required by subsection (a).

(e) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means—

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

Subtitle C—Cyberspace-related Matters

PART I—CYBERSPACE GENERALLY

SEC. 1621. POLICY OF THE UNITED STATES ON CYBERSPACE, CYBERSECURITY, CYBER WARFARE, AND CYBER DETERRENCE.

(a) In General.—It shall be the policy of the United States, with respect to matters pertaining to cyberspace, cybersecurity, and cyber warfare, that the United States should employ all instruments of national power, including the use of offensive cyber capabilities, to deter if possible, and respond when necessary, to any and all cyber attacks or other malicious cyber activities that target United States interests with the intent to—

(1) cause casualties among United States persons or persons of our allies;

(2) significantly disrupt the normal functioning of United States democratic society or government (including attacks against critical infrastructure that could damage systems used to provide key services to the public or government);
(3) threaten the command and control of the United States Armed Forces, the freedom of maneuver of the United States Armed Forces, or the industrial base or other infrastructure on which the United States Armed Forces rely to defend United States interests and commitments; or

(4) achieve an effect, whether individually or in aggregate, comparable to an armed attack or imperil a vital interest of the United States.

(b) RESPONSE OPTIONS.—In carrying out the policy set forth in subsection (a), the United States shall plan, develop, and demonstrate response options to address the full range of potential cyber attacks on United States interests that could be conducted by potential adversaries of the United States.

(c) DENIAL OPTIONS.—In carrying out the policy set forth in subsection (a) through response options developed pursuant to subsection (b), the United States shall, to the greatest extent practicable, prioritize the defensibility and resiliency against cyber attacks and malicious cyber activities described in subsection (a) of infrastructure critical to the political integrity, economic security, and national security of the United States.

(d) COST-IMPOSITION OPTIONS.—In carrying out the policy set forth in subsection (a) through response options
developed pursuant to subsection (b), the United States shall
develop and demonstrate, or otherwise make known to ad-
versaries of the existence of, cyber capabilities to impose
costs on any foreign power targeting the United States or
United States persons with a cyber attack or malicious
cyber activity described in subsection (a).

(e) MULTI-PRONG RESPONSE.—In carrying out the
policy set forth in subsection (a) through response options
developed pursuant to subsection (b), the United States
shall—

(1) devote immediate and sustained attention to
boosting the cyber resilience of critical United States
strike systems (including cyber, nuclear, and non-nu-
clear systems) in order to ensure the United States
can credibly threaten to impose unacceptable costs in
response to even the most sophisticated large-scale
cyber attack;

(2) develop offensive cyber capabilities and spe-
cific plans and strategies to put at risk targets most
valued by adversaries of the United States and their
key decision makers;

(3) enhance attribution capabilities to reduce the
time required to positively attribute an attack with
high confidence; and
(4) develop intelligence and offensive cyber capabilities to detect, disrupt, and potentially expose malicious cyber activities.

(f) Policies Relating to Offensive Cyber Capabilities and Sovereignty.—It is the policy of the United States that, when a cyber attack or malicious cyber activity transits or otherwise relies upon the networks or infrastructure of a third country—

(1) the United States shall, to the greatest extent practicable, notify and encourage the government of that country to take action to eliminate the threat; and

(2) if the government is unable or unwilling to take action, the United States reserves the right to act unilaterally (with the consent of that government if possible, but without such consent if necessary).

(g) Authority of Secretary of Defense.—

(1) In general.—The Secretary of Defense has the authority to develop, prepare, coordinate, and, when appropriately authorized to do so, conduct military cyber operations in response to cyber attacks and malicious cyber activities described in subsection (a) that are carried out against the United States or United States persons by a foreign power.
(2) Delegation of additional authorities.—The Secretary may delegate to the Commander of the United States Cyber Command such authorities of the Secretaries of the military departments, including authorities relating to manning, training, and equipping, that the Secretary considers appropriate.

(3) Use of delegated authorities.—The use by the Commander of the United States Cyber Command of any authority delegated to the Commander pursuant to this subsection shall be subject to the authority, direction, and control of the Secretary.

(4) Rule of construction.—Nothing in this subsection shall be construed to limit the authority of the President or Congress to authorize the use of military force.

(h) Foreign power defined.—In this section, the term “foreign power” has the meaning given that term in section 101 of the Foreign Intelligence Surveillance Act of 1978 (50 U.S.C. 1801).

SEC. 1622. AFFIRMING THE AUTHORITY OF THE SECRETARY OF DEFENSE TO CONDUCT MILITARY ACTIVITIES AND OPERATIONS IN CYBERSPACE.

Section 130g of title 10, United States Code, is amended—
(1) by striking “The Secretary” and inserting the following:

“(a) In GENERAL.—The Secretary”;

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

“(b) AFFIRMATION OF AUTHORITY.—(1) Congress affirms that the Secretary of Defense may conduct military activities or operations in cyberspace, including clandestine military activities or operations in cyberspace, to defend the United States and allies and interests of the United States, including in response to malicious cyber activity carried out against the United States or a United States person by a foreign power.

“(2) Congress affirms that the authority referred to in paragraph (1) includes the conduct of military activities or operations in cyberspace short of war and in areas outside of named areas of conflict for the purpose of preparation of the environment, influence, force protection, and deterrence of hostilities, or counterterrorism operations involving the armed forces of the United States.

“(c) CLANDESTINE ACTIVITIES OR OPERATIONS.—A clandestine military activity or operation in cyberspace shall be considered a traditional military activity for the purposes of section 503(e)(2) of the National Security Act of 1947 (50 U.S.C. 3093(e)(2)).
“(d) CONGRESSIONAL OVERSIGHT.—The Secretary shall brief the congressional defense committees about any military activities or operations in cyberspace, including clandestine military activities or operations in cyberspace, occurring during the previous quarter during the quarterly briefing required by section 484 of this title.

“(e) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to limit the authority of the Secretary to conduct military activities or operations in cyberspace, including clandestine activities or operations in cyberspace, or to alter or otherwise affect the War Powers Resolution (50 U.S.C. 1541–1548), the Authorization for Use of Military Force (Public Law 107–40; 50 U.S.C. 1541 note), or reporting of sensitive military cyber activities or operations required by section 130j of this title.

“(f) DEFINITIONS.—In this section:

“(1) The term ‘clandestine military activity or operation in cyberspace’ means a military activity or operation carried out in cyberspace, or associated preparatory actions, authorized by the President or the Secretary that—

“(A) is marked by, held in, or conducted with secrecy, where the intent is that the activity or operation will not be apparent or acknowledged publicly; and
“(B) is to be carried out—

“(i) as part of a military operation plan approved by the President or the Secretary in anticipation of hostilities or as directed by the President or the Secretary against—

“(I) adversaries (as defined by the National Security Strategy); or

“(II) other emergent national security threats;

“(ii) to deter, safeguard, or defend against attacks or malicious cyber activities against the United States or Department of Defense information, networks, systems, installations, facilities, or other assets; or

“(iii) in support of other information related capabilities such as military deception and psychological operations.

“(2) The term ‘foreign power’ has the meaning given such term in section 101 of the Foreign Intelligence Surveillance Act of 1978 (50 U.S.C. 1801).

“(3) The term ‘United States person’ has the meaning given such term in such section.”; and
(3) in subsection (a), as designated by paragraph (1), by striking “(as” and all that follows through “))”.

SEC. 1623. ACTIVE DEFENSE AND SURVEILLANCE AGAINST RUSSIAN FEDERATION ATTACKS IN CYBERSPACE.

(a) Authority to Disrupt, Defeat, and Deter Cyber Attacks.—

(1) In general.—In the event that the National Command Authority determines that the Russian Federation is conducting an active, systematic, and ongoing campaign of attacks against the government or people of the United States in cyberspace, the National Command Authority may authorize the Commander of the United States Cyber Command, acting through the Cyber Mission Forces assigned to the United States Cyber Command, to take appropriate and proportional action in cyberspace to disrupt, defeat, and deter such attacks under the authority and policy of the Secretary of Defense to conduct cyber operations and information operations as traditional military activities.

(2) Notification and Reporting.—

(A) Notification of Operations.—IN ex-
(1), the Secretary shall provide notices to the congressional defense committees in accordance with section 130(f) of title 10, United States Code.

(B) QUARTERLY REPORTS BY COMMANDER OF THE UNITED STATES CYBER COMMAND.—

(i) IN GENERAL.—In any fiscal year in which the Commander of the United States Cyber Command carries out an action under paragraph (1), the Secretary of Defense shall, not less frequently than quarterly, submit to the congressional defense committees a report on the actions of the Commander under such paragraph in such fiscal year.

(ii) MANNER OF REPORTING.—Reports submitted under clause (i) shall be submitted in a manner that is consistent with the recurring quarterly report required by section 484 of title 10, United States Code.

(b) SURVEILLANCE.—

(1) IN GENERAL.—The Secretary of Defense, acting through the Commander of the United States Cyber Command and the cyber mission forces of such command, may conduct surveillance in networks out-
side the United States of personnel and organizations engaged at the behest or in support of the Russian Federation in—

(A) stealing and releasing confidential information from United States persons or supporting organizations who are campaigning for public office;

(B) generating and planting information and narratives, including the purchase of advertisements, in social and other media intended to mislead, sharpen social and political conflicts, or otherwise manipulate perceptions and opinions of the people of the United States;

(C) creating networks of subverted computers and associated false accounts on social media platforms for the purpose of spreading and amplifying the impact of information and narratives intended to mislead, sharpen social and political conflicts, or otherwise manipulate perceptions and opinions of the people of the United States; and

(D) developing or using cyber capabilities—

(i) to disable, disrupt, or destroy critical infrastructure of the United States; or

(ii) to cause—
(I) casualties among United States persons or persons of allies of the United States;

(II) significant damage to private or public property;

(III) significant economic disruption;

(IV) an effect, whether individually or in aggregate, comparable to that of an armed attack or one that imperils a vital national security interest of the United States; or

(V) significant disruption of the normal functioning of United States democratic society or government, including attacks against or incidents involving critical infrastructure that could damage systems used to provide key services to the public or government.

(2) PRIVATE SECTOR COOPERATION.—

(A) IN GENERAL.—The Secretary shall make arrangements, directly or through other government organizations, with private sector media representatives and organizations, includ-
ing social media companies, on a voluntary basis, using the results of the surveillance under paragraph (1) to assist in the identification of such malicious individuals and organizations and associated false or counterfeit accounts created on social media platforms.

(B) SECURITY CLEARANCES.—In carrying out subparagraph (A), the Secretary may grant such security clearances to individuals of media organizations as the Secretary considers necessary and appropriate to share evidence that supports the Secretary’s conclusions regarding the individuals and organizations engaged in the activities described in paragraph (1).

(c) ANNUAL REPORT.—Not less frequently than once each year, the Secretary shall submit to the congressional defense committees and the congressional intelligence committees (as defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003)) a report on—

(1) the scope and intensity of the Russian Federation’s information operations and attacks through cyberspace against the government or people of the United States observed by the cyber mission forces of the United States Cyber Command and the National Security Agency;
(2) adjustments of the Department of Defense in
the response directed or recommended by the Sec-
etary with respect to such operations and attacks;
and
(3) whether the authorities under subsections (a)
and (b) should be expanded to include other foreign
powers, such as the Islamic Republic of Iran and the
People’s Republic of China.

SEC. 1624. REORGANIZATION AND CONSOLIDATION OF CERT-
AIN CYBER PROVISIONS.

(a) In General.—Part I of subtitle A of title 10,
United States Code, is amended—

(1) by transferring sections 130g, 130j, and 130k
to chapter 19; and

(2) in chapter 19, by redesignating sections
130g, 130j, and 130k, as transferred by subparagraph
(A), as sections 394, 395, and 396, respectively.

(b) Conforming Amendment.—Section 108(m) of the
Cybersecurity Information Sharing Act of 2015 (6 U.S.C.
1507(m)) is amended by striking “under section 130g” and
inserting “under section 394”.

(c) Clerical Amendments.—(1) The table of sections
at the beginning of chapter 3 of title 10, United States Code,
is amended by striking the items relating to sections 130g,
130j, and 130k.
(2) The table of sections at the beginning of chapter 19 of such title is amended by adding at the end the following new items:

“394. Authorities concerning military cyber operations.
“396. Notification requirements for cyber weapons.”.

SEC. 1625. DESIGNATION OF OFFICIAL FOR MATTERS RELATING TO INTEGRATING CYBERSECURITY AND INDUSTRIAL CONTROL SYSTEMS WITHIN THE DEPARTMENT OF DEFENSE.

(a) DESIGNATION OF INTEGRATING OFFICIAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall designate one official to be responsible for matters relating to integrating cybersecurity and industrial control systems within the Department of Defense.

(b) RESPONSIBILITIES.—The official designated pursuant to subsection (a) shall be responsible for matters described in such subsection at all levels of command, from the Department to the facility using industrial control systems, including developing Department-wide certification standards for integration of industrial control systems and taking into consideration frameworks set forth by the National Institute of Standards and Technology for the cybersecurity of such systems.
SEC. 1626. ASSISTANCE FOR SMALL MANUFACTURERS IN THE DEFENSE INDUSTRIAL SUPPLY CHAIN ON MATTERS RELATING TO CYBERSECURITY.

(a) Dissemination of Cybersecurity Resources.—

(1) In general.—The Under Secretary of Defense for Research and Engineering, in consultation with the Director of the National Institute of Standards and Technology, shall take such actions as may be necessary to enhance awareness of cybersecurity threats among small manufacturers in the defense industrial supply chain.

(2) Priority.—The Under Secretary of Defense for Research and Engineering shall prioritize efforts to increase awareness to help reduce cybersecurity risks faced by small manufacturers described in paragraph (1).

(3) Sector focus.—The Under Secretary of Defense for Research and Engineering shall carry out this subsection with a focus on such industry sectors as the Under Secretary considers critical.

(4) Outreach events.—Under paragraph (1), the Under Secretary of Defense for Research and Engineering shall conduct outreach to support activities consistent with this section. Such outreach may in-
clude live events with a physical presence and outreach conducted through Internet websites.

(b) Voluntary Cybersecurity Self-Assessments.—The Under Secretary of Defense for Research and Engineering shall develop mechanisms to provide assistance to help small manufacturers conduct voluntary self-assessments in order to understand operating environments, cybersecurity requirements, and existing vulnerabilities, including through the Mentor Protégé Program, small business programs, and engagements with defense laboratories and test ranges.

(c) Transfer of Research Findings and Expertise.—

(1) In general.—The Under Secretary of Defense for Research and Engineering shall promote the transfer of appropriate technology and techniques developed in the Department of Defense to small manufacturers throughout the United States to implement security measures that are adequate to protect covered defense information, including controlled unclassified information.

(2) Coordination with other federal expertise and capabilities.—The Under Secretary of Defense for Research and Engineering shall coordinate efforts, when appropriate, with the expertise and
capabilities that exist in Federal agencies and federally sponsored laboratories.

(3) AGREEMENTS.—In carrying out this subsection, the Under Secretary of Defense for Research and Engineering may enter into agreements with private industry, institutes of higher education, or a State, United States territory, local, or tribal government to ensure breadth and depth of coverage to the United States defense industrial base and to leverage resources.

(d) DEFENSE ACQUISITION WORKFORCE CYBER TRAINING PROGRAM.—The Secretary of Defense shall establish a cyber counseling certification program, or approve a similar existing program, to certify small business professionals and other relevant acquisition staff within the Department of Defense to provide cyber planning assistance to small manufacturers in the defense industrial supply chain.

(e) AUTHORITIES.—In executing this program, the Secretary may use the following authorities:

(1) The Manufacturing Technology Program established under section 2521 of title 10, United States Code.
(2) The Centers for Science, Technology, and Engineering Partnership program under section 2368 of title 10, United States Code.

(3) The Manufacturing Engineering Education Program established under section 2196 of title 10, United States Code.

(4) The Small Business Innovation Research program.

(5) The mentor-protégé program.

(6) Other legal authorities as the Secretary deems necessary for the effective and efficient execution of the program.

(f) DEFINITIONS.—In this section:

(1) RESOURCES.—The term “resources” means guidelines, tools, best practices, standards, methodologies, and other ways of providing information.

(2) SMALL BUSINESS CONCERN.—The term “small business concern” means a small business concern as that term is used in section 3 of the Small Business Act (15 U.S.C. 632).

(3) SMALL MANUFACTURER.—The term “small manufacturer” means a small business concern that is a manufacturer.

(4) STATE.—The term “State” means each of the several States, Territories, and possessions of the
United States, the District of Columbia, and the Commonwealth of Puerto Rico.

SEC. 1627. MODIFICATION OF ACQUISITION AUTHORITY OF THE COMMANDER OF THE UNITED STATES CYBER COMMAND.

(a) Modification of Limitation on Use of Cyber Operations Procurement Fund.—Subsection (e) of section 807 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2224 note) is amended—

(1) by striking “$75,000,000” and inserting “$250,000,000”; and

(2) by striking “2021” and inserting “2025”.

(b) Extension on Sunset.—Subsection (i)(1) of such section is amended by striking “September 30, 2021” and inserting “September 30, 2025”.

SEC. 1628. EMAIL AND INTERNET WEBSITE SECURITY AND AUTHENTICATION.

(a) Implementation of Plan Required.—Except as provided by subsection (b), the Secretary of Defense shall develop and implement the plan outlined in Binding Operational Directive 18–01, issued by the Secretary of Homeland Security on October 16, 2017, relating to email security and authentication and Internet website security, according to the schedule established by the Binding Oper-
ational Directive for the rest of the Executive Branch beginning with the date of enactment of this Act.

(b) ELEMENTS.—The actions required of the Secretary of Defense under subsection (a) include the following:

(1) The adoption of the START Transport Layer Security (STARTTLS) protocol for encryption.

(2) Enforcement of Sender Policy Framework (SPF), Domain Keys Identified Mail (DKIM), and Domain-based Message Authentication, Reporting, and Conformance (DMARC) for email authentication.


(c) WAIVER.—The Secretary may waive the requirements of subsection (a) if the Secretary submits to the congressional defense committees a certification that existing or planned security measures for the Department of Defense either meet or exceed the information security requirements of Binding Operational Directive 18–01.

(d) FUTURE BINDING OPERATIONAL DIRECTIVES.—The Chief Information Officer of the Department of Defense shall notify the congressional defense committees within 180 days of the issuance by the Secretary of Homeland Security after the date of the enactment of this Act of any Binding Operational Directive for cybersecurity whether the Department of Defense will comply with the Directive or how the
Department of Defense plans to meet or exceed the security objectives of the Directive.

SEC. 1629. MATTERS PERTAINING TO THE SHARKSEER CYBERSECURITY PROGRAM.

(a) Transfer of Program.—Not later than March 1, 2019, the Secretary of Defense shall transfer the Sharkseer cybersecurity program from the National Security Agency to the Defense Information Systems Agency, including all associated funding and, as the Secretary considers necessary, personnel.

(b) Limitation on Funding for the Information Systems Security Program.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 or any subsequent fiscal year for research, development, test, and evaluation for the Information Systems Security Program for the National Security Agency, not more than 90 percent may be obligated or expended unless the Principal Cyber Advisor certifies to the congressional defense committees that the operations and maintenance funding for the Sharkseer program for fiscal year 2019 and the subsequent fiscal years of the current Future Years Defense Program are available or programmed.

(c) Sharkseer Break and Inspect Capability.—
(1) IN GENERAL.—The Secretary of Defense shall ensure that the decryption capability described in section 1636 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) is provided by the break and inspect subsystem of the Sharkseer cybersecurity program, unless the Principal Cyber Advisor notifies the congressional defense committees on or before the date that is 90 days after the date of the enactment of this Act that a superior enterprise solution will be operational before October 1, 2019.

(2) INTEGRATION OF CAPABILITY.—The Secretary shall take such actions as are necessary to integrate the break and inspect subsystem of the Sharkseer cybersecurity program with the Department of Defense public key infrastructure.

(d) VISIBILITY TO ENDPOINTS.—The Secretary shall take such actions as are necessary to enable, by October 1, 2020, the Sharkseer cybersecurity program and computer network defense service providers to instantly and automatically determine the specific identity and location of computer hosts and other endpoints that received or sent malware detected by the Sharkseer cybersecurity program or other network perimeter defenses.
(e) SANDBOX AS A SERVICE.—The Secretary shall use the Sharkseer cybersecurity program sandbox-as-a-service capability as an enterprise solution and terminate all other such projects, unless the Principal Cyber Advisor notifies the congressional defense committees on or before the date that is 90 days after the date of the enactment of this Act that a superior enterprise solution will be operational before October 1, 2019.

(f) AUTHORIZATION OF APPROPRIATIONS FOR BANDWIDTH EXPANSION.—There is authorized to be appropriated $20,000,000 for procurement, defense-wide, for the Defense Information Systems Agency to increase the bandwidth of the Sharkseer cybersecurity program to match the bandwidth of communications entering the Internet access points of the Department of Defense.

SEC. 1630. PILOT PROGRAM ON MODELING AND SIMULATION IN SUPPORT OF MILITARY HOMELAND DEFENSE OPERATIONS IN CONNECTION WITH CYBER ATTACKS ON CRITICAL INFRASTRUCTURE.

(a) PILOT PROGRAM REQUIRED.—

(1) IN GENERAL.—The Assistant Secretary of Defense for Homeland Defense and Global Security shall carry out a pilot program that uses the results of research exercises of local government, industry,
and military responses to combined natural disasters and cyber attacks on critical infrastructure in order to identify and develop means of improving such responses to such combined disasters and attacks.

(2) DISCHARGE.—The Assistant Secretary shall carry out the pilot program through the United States Northern Command and the United States Cyber Command.

(3) RESEARCH EXERCISES.—The pilot program shall be based on lessons learned from the so-called “Jack Voltaic” research exercises conducted by the Army Cyber Institute, industry partners of the Institute, and New York, New York, and Houston, Texas.

(b) PURPOSE.—The purpose of the pilot program shall be to accomplish the following:

(1) The development and demonstration of risk analysis methodologies, and the application of commercial simulation and modeling capabilities, based on artificial intelligence and hyperscale cloud computing technologies, for use by the Federal Governments, States, and localities, as applicable—

(A) to assess defense critical infrastructure vulnerabilities and interdependencies to improve military resiliency;
(B) to determine the likely effectiveness of attacks described in subsection (a)(1), and countermeasures, tactics, and tools supporting responsive military homeland defense operations;

(C) to train personnel in incident response;

(D) to conduct exercises and test scenarios;

and

(E) to foster collaboration and learning between and among departments and agencies of the Federal Government, State and local governments, and private entities responsible for critical infrastructure.

(2) The development and demonstration of the foundations for establishing and maintaining a program of record for a shared high-fidelity, interactive, affordable, cloud-based modeling and simulation of critical infrastructure systems and incident response capabilities that can simulate complex cyber and physical attacks and disruptions on individual and multiple sectors on national, regional, State, and local scales.

(c) REPORT.—

(1) In general.—At the same time the budget of the President for fiscal year 2020 is submitted to Congress pursuant to section 1105(a) of title 31,
United States Code, the Assistant Secretary shall, in consultation with the Secretary of Homeland Security, submit to the congressional defense committees a report on the pilot program.

(2) CONTENTS.—The report required by paragraph (1) shall include the following:

(A) A description of the results of the exercises described in subsection (a)(3) and any other exercises conducted as part of the pilot program as of the date of the report.

(B) A list of the cybersecurity units of the National Guard and Reserves, and a description and assessment of the progress of the Assistant Secretary and the National Governors’ Association in promoting multi-State mutual assistance compacts to share resources with respect to combined natural disaster and cyber attacks described in subsection (a)(1) as well as an assessment of how the National Guard’s ability to operate under dual jurisdictions and their existing relationships at the State and local level could be used in these types of events.

(C) A description of the risk analysis methodologies and modeling and simulation capabilities developed and demonstrated pursuant to the
pilot program, and an assessment of the potential for future growth of commercial technology in support of the homeland defense mission of the Department of Defense.

(D) Such recommendations as the Secretary considers appropriate regarding the establishment of a program of record for the Department on further development and sustainment of risk analysis methodologies and advanced, large-scale modeling and simulation on critical infrastructure and cyber warfare.

(E) Lessons learned from the use of novel risk analysis methodologies and large-scale modeling and simulation carried out under the pilot program regarding vulnerabilities, required capabilities, and reconfigured force structure, coordination practices, and policy.

(F) Planned steps for implementing the lessons described in subparagraph (E).

(d) FUNDING.—Of the amounts authorized to be appropriated for fiscal year 2019 by section 201 for research, development, test, and evaluation for the Army and available for Advanced Concepts and Simulation (Program Element (62308A)), $10,000,000 may be available for the pilot program.
SEC. 1631. SECURITY PRODUCT INTEGRATION FRAMEWORK.

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

(1) The Department of Defense requires a standard, enterprise-wide, security product integration framework (SPIF) that provides a machine-to-machine data exchange architecture and protocol to achieve interoperability and automated orchestration and coordinated action between and among cybersecurity services, devices, appliances, agents, applications, tools, and command and control centers.

(2) Information security products and services need to be engineered to consume and act on information, direction, and cues from other security elements on a network through this framework.

(3) A security product integration framework should ideally be non-proprietary or designed as a modular open system.

(4) A security integration framework is essential to achieve the speed, scale, and agility of response required for cyber warfare, and to reduce the cost and time needed to integrate new products and services into the existing security environment.

(b) DEMONSTRATION PROGRAM.—The Principal Cyber Adviser, the Chief Information Officer, and the Commander of the United States Cyber Command shall select a network or network segment and associated computer network de-
fense service provider to conduct a demonstration and evalu-
ation of one or more existing security product integration
frameworks, including modifying network security systems
to enable such systems to ingest, publish, subscribe, tip and
cue, and request information or services from each other.

SEC. 1632. REPORT ON ENHANCEMENT OF SOFTWARE SECU-
RITY FOR CRITICAL SYSTEMS.

(a) REPORT REQUIRED.—Not later than March 1, 2019, the Principal Cyber Adviser to the Secretary of De-
fense and the Chief Information Officer of the Department
of Defense shall jointly submit to the congressional defense
committees a report on a study, based on the authorities
specified in subsection (b), on the costs, benefits, technical
merits, and other merits of applying the technology de-
scribed in subsection (c) to the vulnerability assessment and
remediation of the following:

(1) Nuclear systems and nuclear command and
control.

(2) A critical subset of conventional power pro-
jection capabilities.

(3) Cyber command and control.

(4) Other defense critical infrastructure

(b) BASIS FOR CONDUCT OF STUDY.—The study re-
quired for purposes of subsection (a) shall be conducted pur-
suant to the following:


(c) TECHNOLOGIES.—The technologies described in this subsection are the following:

(1) Technology developed and used by Combat Support Agencies of the Department of Defense to discover flaws and weaknesses in software code by inputting immense quantities of pseudo-random data (commonly referred to as “fuzz”) to identify inputs that cause the software to fail.

(2) Cloud-based software fuzzing-as-a-service to continuously test the security of Department of Defense software repositories at large scale.

(3) Formal programming and protocol language for software code development and other methods and tools developed under the High Assurance Cyber Military Systems program of the Defense Advanced Research Projects Agency.
(4) The binary analysis and symbolic execution software security tools developed under the Cyber Grand Challenge of the Defense Advanced Research Projects Agency.

SEC. 1633. COMPLY TO CONNECT AND CYBERSECURITY SCORECARD.

(a) LIMITATION.—After October 1, 2019, no funds may be obligated or expended to prepare the cybersecurity scorecard for the Secretary of Defense unless the Department of Defense is implementing a funded capability to meet the requirements—

(1) established by the Chief Information Officer and the Commander of United States Cyber Command pursuant to section 1653 of the National Defense Authorization for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2224 note); and


(b) REPORT.—Not later than January 10, 2019, the Director of Cost Assessment and Program Evaluation shall submit to the congressional defense committees a report
comparing the current capabilities of the Department of Defense to—

(1) the requirements described in subsection (a);
and

(2) the capabilities deployed by the Department of Homeland Security and the General Services Administration under the Continuous Diagnostics and Mitigation program across the non-Department of Defense departments and agencies of the Federal Government.

(c) Risk Thresholds.—The Chief Information Officer of the Department of Defense, in coordination with the Principal Cyber Advisor, the Director of Operations of the Joint Staff, and the Commander of United States Cyber Command, shall establish risk thresholds for systems and network operations that, when exceeded, would trigger heightened security measures, such as enhanced monitoring and access policy changes.

(d) Enterprise Governance, Risk, and Compliance Plan.—Not later than 180 days after the date of the enactment of this Act, the Chief Information Officer and the Principal Cyber Advisor shall develop a plan to implement an enterprise governance, risk, and compliance platform and process to maintain current status of all informa-
tion and operational technology assets, vulnerabilities, threats, and mitigations.

**SEC. 1634. CYBERSPACE SOLARIUM COMMISSION.**

(a) **ESTABLISHMENT.**—

(1) **IN GENERAL.**—There is established a commission to develop a consensus on a strategic approach to protecting the crucial advantages of the United States in cyberspace against the attempts of adversaries to erode such advantages.

(2) **DESIGNATION.**—The commission established under paragraph (1) shall be known as the “Cyberspace Solarium Commission” (in this section the “Commission”).

(b) **MEMBERSHIP.**—

(1) **COMPOSITION.**—(A) Subject to subparagraph (B), the Commission shall be composed of 13 members, as follows:

(i) The Principal Deputy Director of National Intelligence.

(ii) The Deputy Secretary of Homeland Security.

(iii) The Deputy Secretary of Defense.

(iv) Three members appointed by the majority leader of the Senate, in consultation with the Chairman of the Committee on Armed Services
of the Senate, one of whom shall be a member of
the Senate and two of whom shall not be.

(v) Two members appointed by the minority
leader of the Senate, in consultation with the
Ranking Member of the Committee on Armed
Services of the Senate, one of whom shall be a
member of the Senate and one of whom shall not
be.

(vi) Three members appointed by the Speaker
of the House of Representatives, in consultation with the Chairman of the Committee on
Armed Services of the House of Representatives,
one of whom shall be a member of the House of
Representatives and two of whom shall not be.

(vii) Two members appointed by the minority
leader of the House of Representatives, in
consultation with the Ranking Member of the
Committee on Armed Services of the House of
Representatives, one of whom shall be a member
of the House of Representatives and one of whom
shall not be.

(B)(i) The members of the Commission who are
not members of Congress and who are appointed
under clauses (iv) through (vii) of subparagraph (A)
shall be individuals who are nationally recognized for expertise, knowledge, or experience in—

(I) cyber strategy or national-level strategies to combat long-term adversaries;

(II) cyber technology and innovation;

(III) use of intelligence information by national policymakers and military leaders; or

(IV) the implementation, funding, or oversight of the national security policies of the United States.

(ii) An official who appoints members of the Commission may not appoint an individual as a member of the Commission if, in the judgment of the official, such individual possesses any personal or financial interest in the discharge of any of the duties of the Commission.

(iii) All members of the Commission described in clause (i) shall possess an appropriate security clearance in accordance with applicable provisions of law concerning the handling of classified information.

(2) Co-chairs.—(A) The Commission shall have two co-chairs, selected from among the members of the Commission.
(B) One co-chair of the Commission shall be a member of the Democratic Party, and one co-chair shall be a member of the Republican Party.

(C) The individuals who serve as the co-chairs of the Commission shall be jointly agreed upon by the President, the majority leader of the Senate, the minority leader of the Senate, the Speaker of the House of Representatives, and the minority leader of the House of Representatives.

(c) APPOINTMENT; INITIAL MEETING.—

(1) APPOINTMENT.—Members of the Commission shall be appointed not later than 45 days after the date of the enactment of this Act.

(2) INITIAL MEETING.—The Commission shall hold its initial meeting on or before the date that is 60 days after the date of the enactment of this Act.

(d) MEETINGS; QUORUM; VACANCIES.—

(1) IN GENERAL.—After its initial meeting, the Commission shall meet upon the call of the co-chairs of the Commission.

(2) QUORUM.—Seven members of the Commission shall constitute a quorum for purposes of conducting business, except that two members of the Commission shall constitute a quorum for purposes of receiving testimony.
(3) VACANCIES.—Any vacancy in the Commission shall not affect its powers, but shall be filled in the same manner in which the original appointment was made.

(4) QUORUM WITH VACANCIES.—If vacancies in the Commission occur on any day after 45 days after the date of the enactment of this Act, a quorum shall consist of a majority of the members of the Commission as of such day.

(e) ACTIONS OF COMMISSION.—

(1) IN GENERAL.—The Commission shall act by resolution agreed to by a majority of the members of the Commission voting and present.

(2) PANELS.—The Commission may establish panels composed of less than the full membership of the Commission for purposes of carrying out the duties of the Commission under this title. The actions of any such panel shall be subject to the review and control of the Commission. Any findings and determinations made by such a panel shall not be considered the findings and determinations of the Commission unless approved by the Commission.

(3) DELEGATION.—Any member, agent, or staff of the Commission may, if authorized by the co-chairs
of the Commission, take any action which the Com-
mission is authorized to take pursuant to this title.

(f) DUTIES.—The duties of the Commission are as fol-
lows:

(1) To weigh the costs and benefits of various
strategic options to reach the goal of protecting the
advantages described in subsection (a)(1), including
the political system of the United States, the national
security industrial sector of the United States, and
the innovation base of the United States. The options
to be assessed should include deterrence, norms-based
regimes, and cyber persistence.

(2) To review adversarial strategies and inten-
tions, current programs for the protection of advan-
tages described in subsection (a)(1), and the capabili-
ties of the Federal Government to understand if and
how adversaries are currently being deterred or
thwarted in their aims and ambitions.

(3) To evaluate the current allocation of re-
sources for understanding adversarial strategies and
intentions and protecting the advantages described in
subsection (a)(1).

(4) In weighing the options for protecting advan-
tages as described in subsection (a)(1), to consider
possible structures and authorities that need to be ex-
(g) **Powers of Commission.**—

(1) **In General.**—(A) The Commission or, on the authorization of the Commission, any subcommittee or member thereof, may, for the purpose of carrying out the provisions of this section—

(i) hold such hearings and sit and act at such times and places, take such testimony, receive such evidence, and administer such oaths; and

(ii) require, by subpoena or otherwise, the attendance and testimony of such witnesses and the production of such books, records, correspondence, memoranda, papers, and documents, as the Commission or such designated subcommittee or designated member considers necessary.

(B) Subpoenas may be issued under subparagraph (A)(ii) under the signature of the co-chairs of the Commission, and may be served by any person designated by such co-chairs.

(C) The provisions of sections 102 through 104 of the Revised Statutes of the United States (2 U.S.C. 192–194) shall apply in the case of any failure of a
witness to comply with any subpoena or to testify
when summoned under authority of this section.

(2) CONTRACTING.—The Commission may, to
such extent and in such amounts as are provided in
advance in appropriation Acts, enter into contracts to
enable the Commission to discharge its duties under
this title.

(3) INFORMATION FROM FEDERAL AGENCIES.—
(A) The Commission may secure directly from any
executive department, agency, bureau, board, commis-
sion, office, independent establishment, or instrument-
tality of the Government information, suggestions, es-
timates, and statistics for the purposes of this title.

(B) Each such department, agency, bureau,
board, commission, office, establishment, or instrument-
tality shall, to the extent authorized by law, fur-
nish such information, suggestions, estimates, and
statistics directly to the Commission, upon request of
the co-chairs of the Commission.

(C) The Commission shall handle and protect all
classified information provided to it under this sec-
tion in accordance with applicable statutes and regu-
lations.

(4) ASSISTANCE FROM FEDERAL AGENCIES.—(A)
The Secretary of Defense shall provide to the Commis-
sion, on a nonreimbursable basis, such administrative services, funds, staff, facilities, and other support services as are necessary for the performance of the Commission’s duties under this title.

(B) The Director of National Intelligence may provide the Commission, on a nonreimbursable basis, with such administrative services, staff, and other support services as the Commission may request.

(C) In addition to the assistance set forth in paragraphs (1) and (2), other departments and agencies of the United States may provide the Commission such services, funds, facilities, staff, and other support as such departments and agencies consider advisable and as may be authorized by law.

(D) The Commission shall receive the full and timely cooperation of any official, department, or agency of the United States Government whose assistance is necessary for the fulfillment of the duties of the Commission under this title, including the provision of full and current briefings and analyses.

(5) PROHIBITION ON WITHHOLDING INFORMATION.—No department or agency of the Government may withhold information from the Commission on the grounds that providing the information to the Commission would constitute the unauthorized disclo-
sue of classified information or information relating to intelligence sources or methods.

(6) Postal Services.—The Commission may use the United States postal services in the same manner and under the same conditions as the departments and agencies of the United States.

(7) Gifts.—The Commission may accept, use, and dispose of gifts or donations of services or property in carrying out its duties under this title.

(h) Staff of Commission.—

(1) In general.—(A) The co-chairs of the Commission, in accordance with rules agreed upon by the Commission, shall appoint and fix the compensation of a staff director and such other personnel as may be necessary to enable the Commission to carry out its duties, without regard to the provisions of title 5, United States Code, governing appointments in the competitive service, and without regard to the provisions of chapter 51 and subchapter III of chapter 53 of such title relating to classification and General Schedule pay rates, except that no rate of pay fixed under this subsection may exceed the equivalent of that payable to a person occupying a position at level V of the Executive Schedule under section 5316 of such title.
(B) Any Federal Government employee may be detailed to the Commission without reimbursement from the Commission, and such detailee shall retain the rights, status, and privileges of his or her regular employment without interruption.

(C) All staff of the Commission shall possess a security clearance in accordance with applicable laws and regulations concerning the handling of classified information.

(2) CONSULTANT SERVICES.—(A) The Commission may procure the services of experts and consultants in accordance with section 3109 of title 5, United States Code, but at rates not to exceed the daily rate paid a person occupying a position at level IV of the Executive Schedule under section 5315 of such title.

(B) All experts and consultants employed by the Commission shall possess a security clearance in accordance with applicable laws and regulations concerning the handling of classified information.

(i) COMPENSATION AND TRAVEL EXPENSES.—

(1) COMPENSATION.—(A) Except as provided in paragraph (2), each member of the Commission may be compensated at not to exceed the daily equivalent of the annual rate of basic pay in effect for a position
at level IV of the Executive Schedule under section 5315 of title 5, United States Code, for each day during which that member is engaged in the actual performance of the duties of the Commission under this title.

(B) Members of the Commission who are officers or employees of the United States or Members of Congress shall receive no additional pay by reason of their service on the Commission.

(2) TRAVEL EXPENSES.—While away from their homes or regular places of business in the performance of services for the Commission, members of the Commission may be allowed travel expenses, including per diem in lieu of subsistence, in the same manner as persons employed intermittently in the Government service are allowed expenses under section 5703 of title 5, United States Code.

(j) TREATMENT OF INFORMATION RELATING TO NATIONAL SECURITY.—

(1) IN GENERAL.—(A) The Director of National Intelligence shall assume responsibility for the handling and disposition of any information related to the national security of the United States that is received, considered, or used by the Commission under this title.
(B) Any information related to the national security of the United States that is provided to the Commission by a congressional intelligence committees or the congressional armed services committees may not be further provided or released without the approval of the chairman of such committees.

(2) Access after termination of Commission.—Notwithstanding any other provision of law, after the termination of the Commission under subsection (k)(2), only the members and designated staff of the congressional intelligence committees, the Director of National Intelligence (and the designees of the Director), and such other officials of the executive branch as the President may designate shall have access to information related to the national security of the United States that is received, considered, or used by the Commission.

(k) Final Report; Termination.—

(1) Final report.—Not later than September 1, 2019, the Commission shall submit to the congressional defense committees, the congressional intelligence committees, the Director of National Intelligence, and the Secretary of Defense, and the Secretary of Homeland Security a final report on the findings of the Commission.
(2) **TERMINATION.**—(A) The Commission, and all the authorities of this section, shall terminate at the end of the 120-day period beginning on the date on which the final report under paragraph (1) is submitted to the congressional defense and intelligence committees.

(B) The Commission may use the 120-day period referred to in paragraph (1) for the purposes of concluding its activities, including providing testimony to Congress concerning the final report referred to in that paragraph and disseminating the report.

(l) **ASSESSMENTS OF FINAL REPORT.**—Not later than 60 days after receipt of the final report under subsection (k)(1), the Director of National Intelligence and the Secretary of Defense shall each submit to the congressional intelligence committees and the congressional defense committees an assessment by the Director or the Secretary, as the case may be, of the final report. Each assessment shall include such comments on the findings and recommendations contained in the final report as the Director or Secretary, as the case may be, considers appropriate.

(m) **INAPPLICABILITY OF CERTAIN ADMINISTRATIVE PROVISIONS.**—

(1) **FEDERAL ADVISORY COMMITTEE ACT.**—The provisions of the Federal Advisory Committee Act (5
U.S.C. App.) shall not apply to the activities of the Commission under this section.

(2) **Freedom of Information Act.**—The provisions of section 552 of title 5, United States Code (commonly referred to as the Freedom of Information Act), shall not apply to the activities, records, and proceedings of the Commission under this section.

(n) **Funding.**—

(1) **Authorization of Appropriations.**—There is authorized to be appropriated $4,000,000 to carry out this section.

(2) **Availability in General.**—Subject to paragraph (1), the Secretary of Defense shall make available to the Commission such amounts as the Commission may require for purposes of the activities of the Commission under this section.

(3) **Duration of Availability.**—Amounts made available to the Commission under paragraph (2) shall remain available until expended.

(o) **Congressional Intelligence Committees Defined.**—In this section, the term “congressional intelligence committees” means—

(1) the Select Committee on Intelligence of the Senate; and
(2) the Permanent Select Committee on Intelligence of the House of Representatives.

SEC. 1635. PROGRAM TO ESTABLISH CYBER INSTITUTES AT INSTITUTIONS OF HIGHER LEARNING.

(a) PROGRAM AUTHORIZED.—The Secretary of Defense may carry out a program to establish a Cyber Institute at institutions of higher learning selected under subsection (b) for purposes of accelerating and focusing the development of foundational expertise in critical cyber operational skills for future military and civilian leaders of the Armed Forces and the Department of Defense, including such leaders of the reserve components.

(b) SELECTED INSTITUTIONS OF HIGHER LEARNING.—

(1) IN GENERAL.—The Secretary of Defense shall select institutions of higher learning for purposes of the program established under subsection (a) from among institutions of higher learning that have a Reserve Officers’ Training Corps program.

(2) CONSIDERATION OF SENIOR MILITARY COLLEGES.—In selecting institutions of higher learning under paragraph (1), the Secretary shall consider the senior military colleges with Reserve Officers’ Training Corps programs.
(c) **ELEMENTS.**—Each institute established under the program authorized by subsection (a) shall include the following:

1. **Programs to provide future military and civilian leaders of the Armed Forces or the Department of Defense who possess cyber operational expertise from beginning through advanced skill levels.** Such programs shall include instruction and practical experiences that lead to recognized certifications and degrees in the cyber field.

2. **Programs of targeted strategic foreign language proficiency training for such future leaders that—**

   (A) are designed to significantly enhance critical cyber operational capabilities; and

   (B) are tailored to current and anticipated readiness requirements.

3. **Programs related to mathematical foundations of cryptography and courses in cryptographic theory and practice designed to complement and reinforce cyber education along with the strategic language programs critical to cyber operations.**

4. **Programs related to data science and courses in data science theory and practice designed to complement and reinforce cyber education along with the**
strategic language programs critical to cyber operations.

(5) Programs designed to develop early interest and cyber talent through summer programs, dual enrollment opportunities for cyber, strategic language, data science, and cryptography related courses.

(6) Training and education programs to expand the pool of qualified cyber instructors necessary to support cyber education in regional school systems.

(d) PARTNERSHIPS WITH DEPARTMENT OF DEFENSE AND THE ARMED FORCES.—Any institute established under the program authorized by subsection (a) may enter into a partnership with one or more components of the Armed Forces, active or reserve, or any agency of the Department of Defense to facilitate the development of critical cyber skills for students who may pursue a military career.

(e) PARTNERSHIPS.—Any institute established under the program authorized by subsection (a) may enter into a partnership with one or more local educational agencies to facilitate the development of critical cyber skills.

(f) SENIOR MILITARY COLLEGES DEFINED.—The term “senior military colleges” has the meaning given such term in section 2111a(f) of title 10, United States Code.
SEC. 1636. ESTABLISHMENT OF CYBERSECURITY FOR DEFENSE INDUSTRIAL BASE MANUFACTURING ACTIVITY.

(a) ESTABLISHMENT.—

(1) AUTHORITY.—The Secretary of Defense may, in consultation with the Director of the National Institute of Standards and Technology, establish an activity to assess and strengthen the cybersecurity resiliency of the defense industrial base of the United States.

(2) DESIGNATION.—The activity that may be established under paragraph (1) shall be known as the “Cybersecurity for Defense Industrial Base Manufacturing Activity”.

(b) ACTIVITIES.—If the Secretary of Defense exercises the authority under subsection (a), the Secretary shall utilize the activity to explore ways to increase the cybersecurity resilience of the defense industrial supply chain. Such exploration may include the following:

(1) Developing cybersecurity test capabilities to support identifying and reducing security vulnerabilities (as defined in section 102 of the Cybersecurity Information Sharing Act of 2015 (6 U.S.C. 1501)) in defense industrial base manufacturing processes.
(2) Developing in-person and online training to help small defense industrial base manufacturers improve their cybersecurity.

(3) Ensuring that cybersecurity for defense industrial base manufacturing is included in Department of Defense research and development roadmaps and threat assessments.

(4) Aggregating, developing, and disseminating capabilities to address cybersecurity threats that can be provided to and adopted by defense industrial base manufacturers of all sizes.

PART II—MITIGATION OF RISKS POSED BY PROVIDERS OF INFORMATION TECHNOLOGY WITH OBLIGATIONS TO FOREIGN GOVERNMENTS

SEC. 1637. DEFINITIONS.

In this part:

(1) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—The term “appropriate committees of Congress” means—

(A) the Committee on Armed Services, the Select Committee on Intelligence, and the Committee on Homeland Security and Governmental Affairs of the Senate; and
(B) the Committee on Armed Services, the Permanent Select Committee on Intelligence, and the Committee on Homeland Security of the House of Representatives.

(2) INFORMATION TECHNOLOGY.—The term “information technology” has the meaning given such term in section 11101 of title 40, United States Code.

(3) NATIONAL SECURITY SYSTEM.—The term “national security system” has the meaning given such term in section 3552(b) of title 44, United States Code.

SEC. 1638. IDENTIFICATION OF COUNTRIES OF CONCERN REGARDING CYBERSECURITY.

(a) IDENTIFICATION OF COUNTRIES OF CONCERN.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall create a prioritized list of countries of concern regarding cybersecurity based on information relating to the following:

(1) A foreign government’s engagement in acts of violence against personnel of the United States or coalition forces.

(2) A foreign government’s willingness and record of providing financing, logistics, training or intelligence to other persons, countries or entities posing a force protection or cybersecurity risk to the per-
sonnel, financial systems, critical infrastructure, or information systems of the United States or coalition forces.

(3) A foreign government’s engagement in foreign intelligence activities against the United States.

(4) A foreign government’s direct or indirect participation in transnational organized crime or criminal activity.

(5) A foreign government’s ability and intent to conduct operations to affect the supply chain of the United States Government.

(b) REPORT TO CONGRESS.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the appropriate committees of Congress the list created pursuant to subsection (a) and any accompanying analysis that contributed to the creation of the list.

SEC. 1639. MITIGATION OF RISKS TO NATIONAL SECURITY POSED BY PROVIDERS OF INFORMATION TECHNOLOGY PRODUCTS AND SERVICES WHO HAVE OBLIGATIONS TO FOREIGN GOVERNMENTS.

(a) DISCLOSURE REQUIRED.—The Department of Defense may not use a product, service, or system relating to information or operational technology, cybersecurity, an industrial control system, a weapons system, or computer
antivirus provided by a person unless that person discloses
to the Secretary of Defense the following:

(1) Whether the person has allowed a foreign
government to review or access the code of a product,

system, or service custom-developed for the Depart-
ment, or is under any obligation to allow a foreign
person or government to review or access the code of

a product, system, or service custom-developed for the

Department as a condition of entering into an agree-
ment for sale or other transaction with a foreign gov-
ernment or with a foreign person on behalf of such a
government.

(2) Whether the person has allowed a foreign
government listed in section 1638(a) to review or ac-

cess the source code of a product, system, or service

that the Department is using or intends to use, or is

under any obligation to allow a foreign person or gov-
ernment to review or access the source code of a prod-

uct, system, or service that the Department is using

or intends to use as a condition of entering into an

agreement for sale or other transaction with a foreign
government or with a foreign person on behalf of such
a government.

(3) In a case in which the person is a United
States person or an affiliate of a United States per-
son, whether or not the person holds or has sought a license pursuant to the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations, or successor regulations, for information technology products, components, software, or services that contain code custom-developed for the product, system, or service the Department is using or intends to use.

(b) Post Procurement.—Procurement contracts for covered products or systems shall include a clause requiring the information contained in subsection (a) be disclosed during the period of the contract if an entity becomes aware of information requiring disclosure as per that section, including any mitigation measures taken or anticipated.

(c) Mitigation of Risks.—

(1) In general.—If, after reviewing a disclosure made by a person under subsection (a), the Secretary determines that the disclosure relating to a product, system, or service entails a risk to the national security infrastructure or data of the United States, or any national security system under the control of the Department, the Secretary shall take such measures as the Secretary considers appropriate
to mitigate such risks, including, as the Secretary considers appropriate, by conditioning any agreement for the use, procurement, or acquisition of the product, system, or service on the inclusion of enforceable conditions or requirements that would mitigate such risks.

(2) THIRD-PARTY TESTING STANDARD.—Not later than two years after the date of the enactment of this Act the Secretary shall develop such third-party testing standard as the Secretary considers acceptable for commercial off the shelf (COTS) products, systems, or services to use when dealing with foreign governments.

(d) EXEMPTION OF DISCLOSURES FROM FREEDOM OF INFORMATION ACT.—A disclosure under subsection (a) shall not be subject to section 552 of title 5, United States Code (commonly referred to as the “Freedom of Information Act”), or any other similar provision of Federal or State law requiring the disclosure of information to the public.
(1) establish within the operational capabilities of the Committee for National Security Systems (CNSS) or within such other agency as the Secretary considers appropriate a registry containing the information disclosed under section 1639; and

(2) upon request, make such information available to any agency conducting a procurement pursuant to the Federal Acquisition Regulations or the Defense Federal Acquisition Regulations.

(b) Exemption of Registry from Freedom of Information Act.—The contents of the registry established under subsection (a)(1) shall not be subject to section 552 of title 5, United States Code (commonly referred to as the “Freedom of Information Act”), or any other similar provision of Federal or State law requiring the disclosure of information to the public.

(c) Annual Reports.—Not later than one year after the date of the enactment of this Act and not less frequently than once each year thereafter, the Secretary of Defense shall submit to the appropriate committees of Congress a report detailing the number, scope, product classifications, and mitigation agreements related to each product, system, and service for which a disclosure is made under section 1639(a).
Subtitle D—Nuclear Forces

SEC. 1641. OVERSIGHT AND MANAGEMENT OF THE COMMAND, CONTROL, AND COMMUNICATIONS SYSTEM FOR THE NATIONAL LEADERSHIP OF THE UNITED STATES.

(a) Designation of Responsible Individual.—

(1) In general.—The Secretary of Defense shall designate a single individual to be responsible for oversight and strategic portfolio management of the command, control, and communications system for the national leadership of the United States (as defined in section 171a of title 10, United States Code), including—

(A) nuclear command, control, and communications;

(B) senior leadership communications systems;

(C) integrated tactical warning and attack assessment systems, processes, and enablers; and

(D) continuity of government functions for which the Department of Defense is responsible.

(2) Authorities.—Subject to the authority and direction of the Secretary, the individual designated under paragraph (1) shall have the authority to direct the Secretaries of the military departments and
officials in the Office of the Secretary of Defense with
respect to matters described in paragraph (1), includ-
ing—

(A) playing a significant and directive role
in the decision processes for all annual and
multi-year planning, programming, budgeting,
and execution decisions, including the authority
to realign the elements of the budgets and budget
requests of the military departments that relate
to the matters described in paragraph (1);

(B) ensuring that the military departments
comply with the standards of the Federal Gov-
ernment and the Department of Defense with re-
spect to matters described in paragraph (1); and

(C) any other authorities that the Secretary
of Defense considers necessary.

(3) CHAIRPERSON OF COUNCIL ON OVERSIGHT
OF THE NATIONAL LEADERSHIP COMMAND, CONTROL,
AND COMMUNICATIONS SYSTEM.—The individual des-
ignated under paragraph (1) shall serve as the Chair-
person of the Council on Oversight of the National
Leadership Command, Control, and Communications
System established under section 171a of title 10,
United States Code.
(4) **Staff.**—The individual designated under paragraph (1) shall have sufficient dedicated full-time personnel to carry out the responsibilities of that individual under this subsection and as Chairperson of the Council on Oversight of the National Leadership Command, Control, and Communications System.

(b) **Modifications to Council on Oversight of the National Leadership Command, Control, and Communications System.**—

(1) **Membership.**—Subsection (b) of section 171a of title 10, United States Code, is amended—

(A) in paragraph (2), by striking “, Technology, and Logistics” and inserting “and Sustainment”;

(B) by redesignating paragraphs (3) through (7) as paragraphs (4) through (8), respectively; and

(C) by inserting after paragraph (2) the following new paragraph (3):

“(3) The Under Secretary of Defense for Research and Engineering.”.

(2) **Chairperson.**—Subsection (c) of such section is amended to read as follows:

“(c) **Chairperson.**—The Chairperson of the Council (in this section referred to as the ‘Chairperson’) shall be
the individual designated by the Secretary of Defense under section 1641(a) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 as responsible for oversight and strategic portfolio management of the command, control, and communications system for the national leadership of the United States.”.

(3) Responsibilities.—Subsection (d) of such section is amended—

(A) in paragraph (1), by striking “oversight” and inserting “coordination”; and

(B) in paragraph (2)—

(i) in the matter preceding subparagraph (A), by striking “oversight” and inserting “coordination”;

(ii) in subparagraph (B), by striking “mitigation” and inserting “recommendations for mitigation actions”;

(iii) by striking subparagraphs (C) and (D) and inserting the following new subparagraph (C):

“(C) Making recommendations to the Chairperson with respect to resource prioritization.”;

and

(iv) by redesignating subparagraph (E) as subparagraph (D).
(4) **ANNUAL REPORTS.**—Subsection (e) of such section is amended, in the matter preceding paragraph (1), by striking “the Council shall” and inserting “the Chairperson shall”.

(5) **COLLECTION OF ASSESSMENTS ON CERTAIN THREATS.**—Subsection (f) of such section is amended by striking “The Council shall” and inserting “The Chairperson shall, in consultation with the Council,”.

(6) **BUDGET AND FUNDING MATTERS.**—Subsection (g) of such section is amended—

(A) in paragraph (1), in the matter preceding subparagraph (A), by striking “the Chairman of the Joint Chiefs of Staff” and inserting “the Chairperson”;

(B) in paragraph (2)—

(i) in the matter preceding subparagraph (A), by striking “the Chairman of the Joint Chiefs of Staff” and inserting “the Chairperson”; and

(ii) by striking “the Chairman” each place it appears and inserting “the Chairperson”; and

(C) in paragraph (3), by striking “the Council shall” and inserting “the Chairperson shall”.
(7) Reports on space architecture development.—Subsection (i)(1) of such section is amended by striking “the Under Secretary of Defense for Acquisitions, Technology, and Logistics” and inserting “the Chairperson”.

(8) Notification of reduction of certain warning time.—Subsection (j)(2) of such section is amended—

(A) in the matter preceding subparagraph (A)—

(i) in the first sentence, by striking “the Council” and inserting “the Chairperson, in consultation with the Council,”;

and

(ii) in the second sentence, by striking “the Council” and inserting “the Chairperson”; and

(B) in subparagraph (C), by striking “the Council” and inserting “the Chairperson”.

(9) Status of acquisition programs.—Subsection (k) of such section is amended—

(A) in paragraph (1), in the matter preceding subparagraph (A), by striking “the co-chairs of the Council, acting through the senior
steering group of the Council,” and inserting “the Chairperson”; and

(B) in paragraph (2), in the matter preceding subparagraph (A), by striking “the co-chairs of the Council” and inserting “the Chairperson”.

SEC. 1642. MODIFICATION TO REQUIREMENT FOR CONVENTIONAL LONG-RANGE STANDOFF WEAPON.

(a) In General.—Section 217(a) of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 127 Stat. 706) is amended—

(1) in paragraph (1)—

(A) by striking subparagraph (A); and

(B) by redesignating subparagraphs (B) and (C) as subparagraphs (A) and (B), respectively; and

(2) in paragraph (2)—

(A) by striking “the Secretary may” and inserting the following: “the Secretary—

“(A) may”;

(B) by striking the period at the end and inserting “; and”; and

(C) by adding at the end the following:

“(B) shall begin procurement and fielding of a follow-on air-launched cruise missile to the
AGM–86 for conventional missions not more than five years after the successful completion of initial operational test and evaluation for such a missile for nuclear missions.”.

(b) Statement of Policy.—It is the policy of the United States to design and procure the long-range standoff weapon to provide a nuclear cruise missile capability to replace the AGM–86 as part of the modernization of the nuclear triad.

SEC. 1643. EXCHANGE PROGRAM FOR NUCLEAR WEAPONS PROGRAM EMPLOYEES.

(a) Program Authorized.—The Chairman of the Nuclear Weapons Council established under section 179 of title 10, United States Code, and the Administrator for Nuclear Security, shall jointly establish an exchange program under which—

(1) the Chairman shall arrange for the temporary assignment of civilian and military personnel working on nuclear weapons policy, production, and force structure issues in the Office of the Secretary of Defense, the Joint Staff, the Navy, or the Air Force to the Office of the Deputy Administrator for Defense Programs in the National Nuclear Security Administration; and
(2) the Administrator shall arrange for the temporary assignment of civilian personnel working on programs related to nuclear weapons in the Office of the Deputy Administrator for Defense Programs to the elements of the Department of Defense specified in paragraph (1).

(b) PURPOSES.—The purposes of the exchange program established under subsection (a) are—

(1) to familiarize personnel from the Department of Defense and the National Nuclear Security Administration with the equities, priorities, processes, culture, and employees of the other agency;

(2) for participants in the exchange program to return the expertise gained through their exchanges to their original agencies at the conclusion of their exchanges; and

(3) to improve communication between and integration of the agencies that support the formation and oversight of nuclear weapons policy through lasting relationships across the chain of command.

(c) PARTICIPANTS.—

(1) NUMBER OF PARTICIPANTS.—The Chairman and the Administrator shall each select not fewer than 5 and not more than 10 participants per year for participation in the exchange program established
under subsection (a). The Chairman and the Administrator may determine how many participants to select under this paragraph without regard to the number of participants selected from the other agency.

(2) CRITERIA FOR SELECTION.—

(A) IN GENERAL.—The Chairman and the Administrator shall select participants for the exchange program established under subsection (a) from among mid-career employees and based on—

(i) the qualifications and desire to participate in the program of the employee; and

(ii) the technical needs and capacities of the Department of Defense and the National Nuclear Security Administration, as applicable.

(B) DEPARTMENT OF DEFENSE.—In selecting participants from the Department of Defense for the exchange program established under subsection (a), the Chairman shall ensure that there is a mix of military personnel and civilian employees of the Department.

(d) TERMS.—Exchanges pursuant to the exchange program established under subsection (a) shall be for terms of
one to two years, as determined and negotiated by the Chairman and the Administrator. Such terms may begin and end on a rolling basis.

(e) GUIDANCE AND IMPLEMENTATION.—

(1) GUIDANCE.—Not later than 90 days after the date of the enactment of this Act, the Chairman and the Administrator shall jointly develop and submit to the congressional defense committees interim guidance on the form and contours of the exchange program established under subsection (a).

(2) IMPLEMENTATION.—Not later than 180 days after the date of the enactment of this Act, the Chairman and the Administrator shall implement the guidance developed under paragraph (1).

SEC. 1644. PROCUREMENT AUTHORITY FOR CERTAIN PARTS OF INTERCONTINENTAL BALLISTIC MISSILE FUZES.

(a) AVAILABILITY OF FUNDS.—Notwithstanding section 1502(a) of title 31, United States Code, of the amount authorized to be appropriated for fiscal year 2019 by section 101 and available for Missile Procurement, Air Force, as specified in the funding table in division D, $9,841,000 shall be available for the procurement of covered parts pursuant to contracts entered into under section 1645(a) of the Carl Levin and Howard P. “Buck” McKeon National De-

(b) COVERED PARTS DEFINED.—In this section, the term “covered parts” means commercially available off-the-shelf items as defined in section 104 of title 41, United States Code.

SEC. 1645. PLAN TO TRAIN OFFICERS IN NUCLEAR COMMAND, CONTROL, AND COMMUNICATIONS.

(a) IN GENERAL.—The Secretary of Defense shall, in consultation with the Secretary of the Air Force, the Secretary of the Navy, and the Chairman of the Joint Chiefs of Staff, develop a plan to train, educate, manage, and track officers of the Armed Forces in nuclear command, control, and communications.

(b) ELEMENTS.—The plan required by subsection (a) shall address—

(1) manpower requirements at various grades;

(2) desired career paths and promotion timing;

and

(3) any other matters the Secretary of Defense considers relevant to develop a mature cadre of officers with nuclear command, control, and communications expertise.

(c) SUBMISSION OF PLAN.—Not later than 180 days after the date of the enactment of this Act, the Secretary
of Defense shall submit the plan required by subsection (a) to the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives.

(d) IMPLEMENTATION.—The plan required by subsection (a) shall be implemented not later than 18 months after the date of the enactment of this Act.

SEC. 1646. PLAN FOR ALIGNMENT OF ACQUISITION OF WARHEAD LIFE EXTENSION PROGRAMS AND DELIVERY VEHICLES FOR SUCH WARHEADS.

Not later than February 15, 2019, the Chairman of the Nuclear Weapons Council established under section 179 of title 10, United States Code, shall submit to the congressional defense committees a plan containing a proposal for better aligning the acquisition of warhead life extension programs by the National Nuclear Security Administration with the acquisition of the planned delivery vehicles for such warheads by the Department of Defense.

SEC. 1647. EXTENSION OF ANNUAL REPORT ON PLAN FOR THE NUCLEAR WEAPONS STOCKPILE, NUCLEAR WEAPONS COMPLEX, NUCLEAR WEAPONS DELIVERY SYSTEMS, AND NUCLEAR WEAPONS COMMAND AND CONTROL SYSTEM.

as most recently amended by section 1665 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended in subsection (a)(1) by striking “2019” and inserting “2024”.

SEC. 1648. PROHIBITION ON USE OF FUNDS FOR ACTIVITIES TO MODIFY UNITED STATES AIRCRAFT TO IMPLEMENT OPEN SKIES TREATY.

(a) In General.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for research, development, test, and engineering or aircraft procurement, Air Force, for the digital visual imaging system may be obligated or expended to carry out any activities to modify any United States aircraft for purposes of implementing the Open Skies Treaty until—

(1) the Secretary of Defense submits to the appropriate congressional committees the certification described in paragraph (2) of section 1235(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91); and

(2) the President submits to the appropriate congressional committees the certification described in paragraph (3) of such section.

(b) DEFINITIONS.—In this section:
(1) **APPROPRIATE CONGRESSIONAL COMMITTEES.**—The term “appropriate congressional committees” means—

   (A) the congressional defense committees;

   and

   (B) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.


SEC. 1649. SENSE OF SENATE ON NUCLEAR POSTURE REVIEW.

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

   (1) Secretary of Defense James Mattis said in his opening statement before the Committee on Armed Services of the House of Representatives on February 6, 2018, “Maintaining an effective nuclear deterrent is much less expensive than fighting a war that we were unable to deter.”.

   (2) In the same statement, Secretary Mattis said, “Recapitalizing the nuclear weapons complex of laboratories and plants is also long past due . . . Due to consistent underfunding, significant and sustained
investments will be required over the coming decade to ensure that the National Nuclear Security Administration will be able to deliver at the rate needed to support nuclear deterrence into the 2030s and beyond.”.

(3) Former Secretary of Defense Ash Carter recently wrote that “it is essential to recapitalize the nuclear Triad, because it is the bedrock of deterrence. During the past 25 years, the United States has made no major new investments in its nuclear forces, yet other countries have conducted vigorous buildups. This history does not support the contention that U.S. investments fuel the nuclear programs of others. My views are reflected in the latest Nuclear Posture Review.”.

(4) Former Under Secretary of Defense for Policy Jim Miller recently wrote, “Secretary of Defense Jim Mattis’s 2018 Nuclear Posture Review offers continuity with past U.S. policy and plans, including those in the 2010 NPR. It deserves broad bipartisan support.”.

(5) The Foreign Minister of Japan, Taro Kono, said in a statement on February 3, 2018, “Japan highly appreciates the latest NPR which clearly articulates the U.S. resolve to ensure the effectiveness of
its deterrence and its commitment to providing ex-
tended deterrence to its allies including Japan, in
light of the international security environment which
has been rapidly worsened since the release of the pre-
vious 2010 NPR, in particular, by continued develop-
ment of North Korea’s nuclear and missile pro-
grams.”.

(6) In testimony before the Committee on Armed
Services of the Senate on April 30, 2018, Secretary
of Defense Jim Mattis said, “Modernizing the na-
tion’s nuclear deterrent delivery systems and our nu-
clear command and control is the [Department of De-
fense’s] top priority.”.

(b) SENSE OF THE SENATE.—It is the sense of the Sen-
ate that—

(1) the 2018 Nuclear Posture Review is a meas-
ured and appropriate response to the current security
environment, taking into account the developments in
other nuclear weapons states such as the People’s Re-
public of China and the Russian Federation and the
return to great power competition as identified by
two successive Secretaries of Defense and outlined in
the 2018 National Defense Strategy;

(2) Congress should fully fund the complete nu-
clear modernization program of the Department of
Defense, including the Columbia-class submarine, the
Ground-Based Strategic Deterrent, the B–21 long-
range bomber, the Long-Range Stand-Off weapon, the
re-engining of the B–52H bomber, and dual-capable
aircraft;

(3) the Department of Defense should organize
itself appropriately to engineer, acquire, and operate
nuclear command, control, and communications sys-
tems that are secure, reliable, and modernized;

(4) Congress should fully fund the National Nu-
clear Security Administration component of the nu-
clear modernization program, including—

(A) the existing warhead life extension pro-
grams and major alterations, including the
W76–2 warhead modification program and the
W80–4 life extension program; and

(B) the recapitalization of infrastructure for
production and processing of plutonium pits,
uranium, tritium, lithium, and trusted strategic
radiation-hardened microelectronics;

(5) in order to execute the programs described in
this subsection in the timely fashion required by the
Nuclear Posture Review, the National Nuclear Secu-
rit y Administration must balance workload, improve
management of large programs, and better integrate
its acquisition programs with those of the Department of Defense;

(6) the United States maintains a steadfast commitment to the policy of extended deterrence in Europe and East Asia, and the nuclear modernization program will ensure that commitment remains credible;

(7) the United States should continue to honor long-held arms control, nonproliferation, and nuclear security commitments, and should seek to increase transparency and predictability through strategic dialogue, risk-reduction communication channels, and the sharing of best practices;

(8) when complied with by all parties, effective nuclear nonproliferation and arms control measures and agreements can support the security of the United States and countries that are allies or partners of the United States by—

(A) controlling the spread of nuclear materials, technology, and expertise;

(B) decreasing the risk of misperception and miscalculation; and

(C) avoiding destabilizing nuclear arms competition; and
(9) the United States should continue to affirm its commitments to arms control efforts that advance the security of the United States and countries that are allies or partners of the United States, and are verifiable and enforceable, including the Treaty between the United States of America and the Russian Federation on Measures for the Further Reduction and Limitation of Strategic Offensive Arms, signed on April 8, 2010, and entered into force on February 5, 2011 (commonly known as the “New START Treaty”), which is in effect through February 2021, and with mutual agreement may be extended for up to five years.

Subtitle E—Missile Defense Programs

SEC. 1651. EXTENSION OF PROHIBITION RELATING TO MISSILE DEFENSE INFORMATION AND SYSTEMS.

Section 130h(e) of title 10, United States Code, is amended by striking “January 1, 2019” and inserting “January 1, 2021”.

SEC. 1652. MULTIYEAR PROCUREMENT AUTHORITY FOR STANDARD MISSILE–3 IB GUIDED MISSILES.

(a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—Subject to section 2306b of title 10, United States Code, the Secretary of Defense may enter into one or more multiyear
contracts, beginning with the fiscal year 2019 program year, for the procurement of Standard Missile–3 Block IB guided missiles.

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

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

(d) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations for that purpose for such later fiscal year.
SEC. 1653. EXTENSION OF REQUIREMENT FOR REPORTS ON UNFUNDED PRIORITIES OF MISSILE DEFENSE AGENCY.

Section 1696 of the National Defense Authorization Act for Fiscal Year 2017 (130 Stat. 2638; Public Law 114–328) is amended—

(1) in subsection (a)—

(A) by striking “Not later than” and inserting “Each year, not later than”

(B) by striking “for each of fiscal years 2018 and 2019”; and

(2) in subsection (c), by striking “the budget if” and all that follows through the period at the end and inserting “the budget if additional resources had been available for the budget to fund the program, activity, or mission requirement.”.

SEC. 1654. IRON DOME SHORT-RANGE ROCKET DEFENSE SYSTEM AND ISRAELI COOPERATIVE MISSILE DEFENSE PROGRAM CO-DEVELOPMENT AND CO-PRODUCTION.

(a) Iron Dome Short-Range Rocket Defense System.—

(1) Availability of funds.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for procurement, Defense-wide, and available for the Missile Defense
Agency, not more than $70,000,000 may be provided to the Government of Israel to procure components for the Iron Dome short-range rocket defense system through co-production of such components in the United States by industry of the United States.

(2) CONDITIONS.—

(A) AGREEMENT.—Funds described in paragraph (1) for the Iron Dome short-range rocket defense program shall be available subject to the terms and conditions in the Agreement Between the Department of Defense of the United States of America and the Ministry of Defense of the State of Israel Concerning Iron Dome Defense System Procurement, signed on March 5, 2014, as amended to include co-production for Tamir interceptors.

(B) CERTIFICATION.—Not later than 30 days prior to the initial obligation of funds described in paragraph (1), the Director of the Missile Defense Agency and the Under Secretary of Defense for Acquisition and Sustainment shall jointly submit to the appropriate congressional committees—

(i) a certification that the amended bi-lateral international agreement specified in
subparagraph (A) is being implemented as provided in such agreement; and

(ii) an assessment detailing any risks relating to the implementation of such agreement.

(b) Israeli Cooperative Missile Defense Program, David’s Sling Weapon System Co-production.—

(1) In general.—Subject to paragraph (2), of the funds authorized to be appropriated for fiscal year 2019 for procurement, Defense-wide, and available for the Missile Defense Agency not more than $50,000,000 may be provided to the Government of Israel to procure the David’s Sling Weapon System, including for co-production of parts and components in the United States by United States industry.

(2) Certification.—The Under Secretary of Defense for Acquisition and Sustainment shall submit to the appropriate congressional committees a certification that—

(A) the Government of Israel has demonstrated the successful completion of the knowledge points, technical milestones, and production readiness reviews required by the research, development, and technology agreement and the bilat-
eral co-production agreement for the David’s Sling Weapon System;

(B) funds specified in paragraph (1) will be provided on the basis of a one-for-one cash match made by Israel or in another matching amount that otherwise meets best efforts (as mutually agreed to by the United States and Israel); and

(C) the level of co-production of parts, components, and all-up rounds (if appropriate) in the United States by United States industry for the David’s Sling Weapon System is not less than 50 percent.

(c) Israeli Cooperative Missile Defense Program, Arrow 3 Upper Tier Interceptor Program Co-production.—

(1) In general.—Subject to paragraph (2), of the funds authorized to be appropriated for fiscal year 2019 for procurement, Defense-wide, and available for the Missile Defense Agency not more than $80,000,000 may be provided to the Government of Israel for the Arrow 3 Upper Tier Interceptor Program, including for co-production of parts and components in the United States by United States industry.

(2) Certification.—Except as provided by paragraph (3), the Under Secretary of Defense for Ac-
quisition and Sustainment shall submit to the appropriate congressional committees a certification that—

(A) the Government of Israel has demonstrated the successful completion of the knowledge points, technical milestones, and production readiness reviews required by the research, development, and technology agreements for the Arrow 3 Upper Tier Interceptor Program;

(B) funds specified in paragraph (1) will be provided on the basis of a one-for-one cash match made by Israel or in another matching amount that otherwise meets best efforts (as mutually agreed to by the United States and Israel);

(C) the United States has entered into a bilateral international agreement with Israel that establishes, with respect to the use of such funds—

(i) in accordance with subparagraph (D), the terms of co-production of parts and components on the basis of the greatest practicable co-production of parts, components, and all-up rounds (if appropriate) by United States industry and minimizes nonrecurring engineering and facilitization
expenses to the costs needed for co-production;

(ii) complete transparency on the requirement of Israel for the number of interceptors and batteries that will be procured, including with respect to the procurement plans, acquisition strategy, and funding profiles of Israel;

(iii) technical milestones for co-production of parts and components and procurement;

(iv) a joint affordability working group to consider cost reduction initiatives; and

(v) joint approval processes for third-party sales; and

(D) the level of co-production described in subparagraph (C)(i) for the Arrow 3 Upper Tier Interceptor Program is not less than 50 percent.

(3) WAIVER.—The Under Secretary may waive the certification required by paragraph (2) if the Under Secretary certifies to the appropriate congressional committees that the Under Secretary has received sufficient data from the Government of Israel to demonstrate—
(A) the funds specified in paragraph (1) are provided to Israel solely for funding the procurement of long-lead components and critical hardware in accordance with a production plan, including a funding profile detailing Israeli contributions for production, including long-lead production, of the Arrow 3 Upper Tier Interceptor Program;

(B) such long-lead components have successfully completed knowledge points, technical milestones, and production readiness reviews; and

(C) the long-lead procurement will be conducted in a manner that maximizes co-production in the United States without incurring non-recurring engineering activity or cost other than such activity or cost required for suppliers of the United States to start or restart production in the United States.

(d) NUMBER.—In carrying out paragraph (2) of subsection (b) and paragraph (2) of subsection (c), the Under Secretary may submit—

(1) one certification covering both the David’s Sling Weapon System and the Arrow 3 Upper Tier Interceptor Program; or
(2) separate certifications for each respective sys-
tem.

(e) **Timing.**—The Under Secretary shall submit to the congressional defense committees the certifications under paragraph (2) of subsection (b) and paragraph (2) of sub-
section (c) by not later than 60 days before the funds speci-
fied in paragraph (1) of subsections (b) and (c) for the re-
spective system covered by the certification are provided to the Government of Israel.

(f) **Appropriate Congressional Committees Defined.**—In this section, the term “appropriate congressional committees” means the following:

(1) The congressional defense committees.

(2) The Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

**SEC. 1655. Metrics for Evaluating Effectiveness of Integrated Ballistic Missile Defense System Against Operationally Real-
istic Ballistic Missile Attacks.**

(a) **Development of Metrics Required.**—The Di-
rector of the Missile Defense Agency shall, in coordination with the Director of Operational Test and Evaluation, the Director of the Ballistic Missile Defense System Operational Test Agency, the Commander of the Joint Forces Combatant
Command-Integrated Missile Defense, the service acquisition executives (as defined in section 101 of title 10, United States Code), and the commanders of the combatant commands, develop operationally relevant metrics for evaluating the effectiveness of the integrated Ballistic Missile Defense System (BMDS) and its components and elements against operationally realistic ballistic missile attacks into areas defended by United States combatant commands.

(b) Incorporation of Metrics into Annual Reports.—Beginning in February 2019, the Director of the Missile Defense Agency shall incorporate the metrics developed under subsection (a) into the annual reports of the Director to the congressional defense committees, including an assessment of progress against such metrics on the acquisition baseline of the Missile Defense Agency.

(c) Limitation.—Of the funds authorized to be appropriated for fiscal year 2019 by this Act and available for the Command and Control, Battle Management and Communications (C2BMC) program, not more than 50 percent may be obligated or expended until the Director develops the metrics required by subsection (a).
SEC. 1656. MODIFICATION OF REQUIREMENT RELATING TO
TRANSITION OF BALLISTIC MISSILE DEFENSE
PROGRAMS TO MILITARY DEPARTMENTS.

Section 1676(b)(2) of the National Defense Authoriza-
tion Act for Fiscal Year 2018 (Public Law 115–91) is
amended by inserting “or equivalent approval” before the
period at the end.

SEC. 1657. SENSE OF THE SENATE ON ACCELERATION OF
MISSILE DEFENSE CAPABILITIES.

(a) SENSE OF THE SENATE.—It is the sense of the Sen-
ate that the Missile Defense Agency should—

(1) accelerate the fielding, if technically feasible,
of the planned additional 20 ground-based intercep-
tors with Redesigned Kill Vehicles (RKV) at Missile
Field 4 at Fort Greely, Alaska, and to mate the Redes-
digned Kill Vehicles with the newest booster tech-
nology;

(2) weigh the rapid growth in missile and nu-
clear threats against the cost and risk of accelerating
the Redesigned Kill Vehicle and the Multi-Object Kill
Vehicle development and deployment;

(3) ensure, prior to its operational deployment,
that the Redesigned Kill Vehicle has demonstrated the
ability to accomplish its intended mission through a
successful, operationally realistic flight test;
(4) rapidly develop and deploy a persistent, space-based sensor architecture to ensure our missile defenses are more effective against ballistic missile threats and more responsive to new and emergent threats from hypersonic and cruise missiles;

(5) pursue innovative concepts for existing technologies, such as a missile defense role for the F–35 aircraft; and

(6) invest in advanced technologies, such as boost-phase warning, tracking, and intercept.

(b) REPORT.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Director of the Missile Defense Agency shall submit to the congressional defense committees a report on ways the Missile Defense Agency can accelerate the construction of Missile Field 4 at Fort Greely, Alaska, as well as the deployment of 20 ground-based interceptors with Redesigned Kill Vehicles (RKV) at such missile field, by at least one year.

(2) CONTENTS.—The report required by paragraph (1) shall include the following:

(A) A threat-based description of the benefits and risks of accelerating the construction and deployment referred to in paragraph (1).
(B) A description of the technical and acquisition risks and potential effects on the reliability of the Redesigned Kill Vehicle if deployment is accelerated as described in paragraph (1).

(C) A description of the cost implications of accelerating the construction and deployment referred to in paragraph (1).

(D) A description of the effect such acceleration would have on the Redesigned Kill Vehicle flight test schedule and the overall Integrated Master Test Plan.

(E) A description of the effect that the acceleration described in paragraph (1) would have on re-tipping currently deployed exoatmospheric kill vehicles with the Redesigned Kill Vehicle.

(F) A description of how such acceleration would align with the deployment of the long range discrimination radar and the homeland defense radar-Hawaii.

(G) A cost-benefit analysis and a feasibility assessment for construction of a fifth missile field at Fort Greely, Alaska.
(3) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1658. INTEGRATED AIR AND MISSILE DEFENSE FOR EVOLVING THEATER MISSILE THREATS.

(a) SENSE OF THE SENATE.—It is the Sense of the Senate that—

(1) the United States should utilize regional missile defense assets to counter and deter against cruise, short-to-medium-range ballistic, and hypersonic missile threats;

(2) the United States should continue to rapidly work toward the interoperability of all United States missile defense systems for a more effective layered defense; and

(3) the United States Army should increase its attention, focus, and resources developing an integrated air-and-missile defense architecture to protect both land and air forces from cruise, short-to-medium-range ballistic, and hypersonic missile threats.

(b) REPORT.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, if consistent with the direction or recommendations of the Missile Defense Review that commenced in 2017, the Sec-
Secretary of Defense shall submit to the congressional defense committees a report on the Department’s plan for the creation of a fully interoperable and integrated air and missile defense architecture.

(2) ELEMENTS.—Elements of the report required by paragraph (1) are as follows:

(A) An intelligence assessment of cruise, short-to-medium-range ballistic, and hypersonic missile threats to the United States and its deployed forces.

(B) An examination of current United States capabilities to defeat the threats included in the report required by subparagraph (A) and an analysis of the existing capability and resource gaps.

(C) An analysis of the level of integration and interoperability of United States missile defense systems and the future requirements needed to become fully integrated and interoperable to defeat the threats included in the report required by subparagraph (A).

(D) A description of the current state of survivability of United States missile defense systems against the full spectrum of air and mis-
sile threats from near-peer threats and any planned efforts to increase survivability.

(3) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1659. ACCELERATION OF HYPersonic MISSILE DEFENSE PROGRAM.

(a) ACCELERATION OF PROGRAM.—The Director of the Missile Defense Agency shall accelerate the hypersonic missile defense program of the Missile Defense Agency.

(b) DEPLOYMENT.—The Director shall deploy such program in conjunction with a persistent space-based missile defense sensor program.

(c) REPORT.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Director shall submit to the congressional defense committees a report on how hypersonic missile defense can be accelerated to meet emerging hypersonic threats.

(2) CONTENTS.—The report submitted under paragraph (1) shall include the following:

(A) An estimate of the cost of such acceleration.
(B) The technical requirements and acquisition plan needed for the Director to develop and deploy a hypersonic missile defense program.

(C) A testing campaign plan that accelerates the delivery of hypersonic defense systems to the warfighter.

(3) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1660. SENSE OF THE SENATE ON ALLIED PARTNERSHIPS FOR MISSILE DEFENSE.

It is the sense of the Senate that—

(1) the United States should seek additional opportunities, at the tactical, operational, and strategic levels, to provide missile defense capabilities, doctrine, interoperability, and planning to allies and trusted partners of the United States;

(2) an expedited foreign military sales arrangement would be beneficial in delivering such missile defenses to allies and trusted partners; and

(3) it is important to continue to work with allies and trusted partners, such as Israel, to learn from their experience deploying successful missile defense technologies.
It is the sense of the Senate that—

(1) tests carried out by the Missile Defense Agency, which do not achieve an intercept or the main objective, should not be considered failures;

(2) the Missile Defense Agency—in an effort to deliver capabilities at the speed of relevance—should recognize the learning value of individual advancements made by all test events, rather than viewing any total outcome as an indication of the reliability of entire missile defense systems;

(3) the Missile Defense Agency should, as part of its test program, continue to build an independently accredited modeling and simulation element to better inform missile defense performance assessments and test criteria; and

(4) the Missile Defense Agency should continue to pursue an increasingly rigorous testing regime, in coordination with the Office of the Director, Operational Test and Evaluation, to more rapidly deliver capabilities to the warfighter as the threat evolves.

SEC. 1660B. SENSE OF THE SENATE ON DISCRIMINATION FOR MISSILE DEFENSE.

(a) SENSE OF THE SENATE.—It is the sense of the Senate that prioritizing discrimination capabilities to improve
missile defense effectiveness against current and future threats is critically important.

(b) REPORT.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Director of the Missile Defense Agency shall submit to the congressional defense committees a report on the following:

(A) Needed discrimination improvements within the missile defense architecture.

(B) The Missile Defense Agency’s plan to rapidly field advanced discrimination capabilities.

(C) An analysis of efforts to address discrimination challenges against emerging adversary threats, including hypersonic and cruise missiles.

(2) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1660C. DEVELOPMENT AND DEPLOYMENT OF PER-SISTENT SPACE-BASED SENSOR ARCHITEC-TURE.

(a) DISSOCIATION WITH BALLISTIC MISSILE DE-FENSE REVIEW.—Subsection (a) of section 1683 of the Na-
tional Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by striking “If consistent” and all that follows through “develop” and inserting “Not later than December 31, 2018, the Director of the Missile Defense Agency shall, in coordination with the Secretary of the Air Force and the Director of the Defense Advanced Research Projects Agency, commence developing”.

(b) DEPLOYMENT DEADLINE.—Such subsection is further amended—

(1) by striking “(A) IN GENERAL.—” and inserting the following:

“(a) DEVELOPMENT AND DEPLOYMENT.—

“(1) DEVELOPMENT.—”; and

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

“(2) DEPLOYMENT.—The Director of the Missile Defense Agency shall ensure that the sensor architecture developed under paragraph (1) is deployed on or before December 31, 2022.”.

(c) COMPATIBILITY WITH EFFORTS OF DEFENSE ADVANCED RESEARCH PROJECTS AGENCY.—Such section is amended—

(1) by redesignating subsections (e) and (f) as subsection (f) and (g), respectively; and
by inserting after subsection (d) the following new subsection (e):

“(e) COMPATIBILITY WITH EFFORTS OF DEFENSE ADVANCED RESEARCH PROJECTS AGENCY.—The Director shall ensure that the sensor architecture developed under subsection (a) is compatible with efforts of the Defense Advanced Research Projects Agency relating to space-based sensors for missile defense.”.

(d) REPORT ON PROGRESS.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, Secretary of Defense shall submit to the congressional defense committees a report on the progress of all efforts being made by the Missile Defense Agency, the Defense Advanced Research Projects Agency, and the Air Force relating to space-based sensing and tracking capabilities for missile defense and how each of such organizations will work together to avoid duplication of efforts.

(2) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.
SEC. 1660D. MODIFICATION OF REQUIREMENT TO DEVELOP A SPACE-BASED BALLISTIC MISSILE INTERCEPT LAYER.

(a) Dissociation With Ballistic Missile Defense Review.—Subsection (a) of section 1688 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended, in the matter before paragraph (1), by striking “If consistent” and all that follows through “the Director” and inserting “The Director”.

(b) Conforming Amendment.—Subsection (b) of such section is amended, in the matter before paragraph (1), by striking “If the Director carries out subsection (a), not later” and inserting “Not later”.

Subtitle F—Other Matters

SEC. 1661. ASSESSMENT OF ELECTRONIC WARFARE CAPABILITIES OF RUSSIA AND CHINA.

(a) In General.—Not later than 270 days after the date of the enactment of this Act, the Director of the Defense Intelligence Agency shall submit to the congressional defense committees and the congressional intelligence committees (as defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003)) country-wide assessments of the electronic warfare capabilities of the Russian Federation and the People’s Republic of China.
(b) CONTENTS.—The assessments submitted under subsection (a) shall include, for the countries concerned, the following:

(1) The electronic warfare doctrine.

(2) The order of battle on land, sea, air, space, and cyberspace.

(3) The current status of expected direction of technology and research over the next 10 years.

SEC. 1662. BUDGET EXHIBIT ON SUPPORT PROVIDED TO ENTITIES OUTSIDE DEPARTMENT OF DEFENSE.

(a) IN GENERAL.—The Under Secretary of Defense (Comptroller) shall include in the budget justification materials submitted to Congress in support of the Department of Defense budget for each fiscal year (as submitted with the budget of the President under section 1105(a) of title 31, United States Code) a single budget exhibit containing relevant details pertaining to support provided by the Department of Defense to the Executive Office of the President related to senior leader communications and continuity of government programs.

(b) INCLUSIONS.—The budget exhibit required by subsection (a) shall include—

(1) support provided by the White House Military Office, the White House Communications Agency, special mission area activities of the Defense In-
formation Systems Agency, and other relevant programs; and

(2) specific appropriation and line numbers where appropriate.

(c) Form.—The budget exhibit required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1663. DEVELOPMENT OF ELECTROMAGNETIC BATTLE MANAGEMENT CAPABILITY FOR JOINT ELECTROMAGNETIC OPERATIONS.

(a) Designation of Executive Agent.—Not later than 180 days after the date of the enactment of this Act, the Electronic Warfare Executive Committee shall designate a military service with the responsibility for acting as executive agent for the development of an Electromagnetic Battle Management capability for joint electromagnetic operations.

(b) Certification Requirement.—Along with the budget for each fiscal year submitted by the President pursuant to section 1105(a) of title 31, United States Code, the Secretary of Defense shall include a certification from the Electronic Warfare Executive Committee whether sufficient funds have been budgeted for the development of an Electromagnetic Battle Management capability for joint electromagnetic operations.
TITLE XVII—COMMITTEE ON
FOREIGN INVESTMENT IN
THE UNITED STATES

SEC. 1701. SHORT TITLE.

This title may be cited as the “Foreign Investment Risk Review Modernization Act of 2018”.

SEC. 1702. SENSE OF CONGRESS.

(a) In general.—It is the sense of Congress that—

(1) foreign investment provides substantial economic benefits to the United States, including the promotion of economic growth, productivity, competitiveness, and job creation, and the majority of foreign investment transactions pose little or no risk to the national security of the United States, especially when those investments are truly passive in nature;

(2) maintaining the commitment of the United States to open and fair investment policy also encourages other countries to reciprocate and helps open new foreign markets for United States businesses and their products;

(3) it should continue to be the policy of the United States to enthusiastically welcome and support foreign investment, consistent with the protection of national security;
(4) at the same time, the national security landscape has shifted in recent years, and so has the nature of the investments that pose the greatest potential risk to national security, which warrants a modernization of the processes and authorities of the Committee on Foreign Investment in the United States and of the United States export control system;

(5) the Committee on Foreign Investment in the United States plays a critical role in protecting the national security of the United States, and, therefore, it is essential that the member agencies of the Committee are adequately resourced and able to hire appropriately qualified individuals in a timely manner, and that those individuals’ security clearances are processed as a high priority;

(6) the President should conduct a more robust international outreach effort to urge and help allies and partners of the United States to establish processes that parallel the Committee on Foreign Investment in the United States to screen foreign investments for national security risks and to facilitate coordination;

(7) the President should lead a collaborative effort with allies and partners of the United States to strengthen the multilateral export control regime to
more effectively address the unprecedented industrial policies of certain countries of special concern, including aggressive efforts to acquire United States technology, and the blending of civil and military programs;

(8) any penalties imposed by the United States Government with respect to an individual or entity pursuant to a determination that the individual or entity has violated sanctions imposed by the United States or the export control laws of the United States should not be reversed for reasons unrelated to the national security of the United States; and

(9) the Committee on Foreign Investment in the United States should continue to review transactions for the purpose of protecting national security and should not consider issues of national interest absent a national security nexus.

(b) Sense of Congress on Consideration of Covered Transactions.—It is the sense of Congress that, when considering national security risks, the Committee on Foreign Investment in the United States may consider—

(1) whether a transaction involves a country of special concern that has a demonstrated or declared strategic goal of acquiring a type of critical technology or critical infrastructure that would affect
United States technological and industrial leadership in areas related to national security;

(2) the potential national security-related effects of the cumulative market share of or a pattern of recent transactions in any one type of infrastructure, energy asset, critical material, or critical technology by foreign persons;

(3) whether any foreign person that would acquire an interest in a United States business or its assets as a result of a transaction has a history of complying with United States laws and regulations;

(4) the extent to which a transaction is likely to expose, either directly or indirectly, personally identifiable information, genetic information, or other sensitive data of United States citizens to access by a foreign government or foreign person that may exploit that information in a manner that threatens national security; and

(5) whether a transaction is likely to have the effect of exacerbating or creating new cybersecurity vulnerabilities in the United States or is likely to result in a foreign government gaining a significant new capability to engage in malicious cyber-enabled activities against the United States, including such
activities designed to affect the outcome of any election for Federal office.

SEC. 1703. DEFINITIONS.

Section 721(a) of the Defense Production Act of 1950 (50 U.S.C. 4565(a)) is amended to read as follows:

“(a) DEFINITIONS.—In this section:

“(1) ACCESS.—The term ‘access’ means the ability and opportunity to obtain information, subject to regulations prescribed by the Committee.

“(2) COMMITTEE; CHAIRPERSON.—The terms ‘Committee’ and ‘chairperson’ mean the Committee on Foreign Investment in the United States and the chairperson thereof, respectively.

“(3) CONTROL.—The term ‘control’ means the power to determine, direct, or decide important matters affecting an entity, subject to regulations prescribed by the Committee.

“(4) COUNTRY OF SPECIAL CONCERN.—

“(A) IN GENERAL.—The term ‘country of special concern’ means a country that poses a significant threat to the national security interests of the United States.

“(B) RULE OF CONSTRUCTION.—This paragraph shall not be construed to require the Com-
mittee to maintain a list of countries of special concern.

“(5) COVERED TRANSACTION.—

“(A) IN GENERAL.—Except as otherwise provided, the term ‘covered transaction’ means—

“(i) any transaction described in subparagraph (B)(i); and

“(ii) any transaction described in clauses (ii) through (v) of subparagraph (B) that is proposed, pending, or completed on or after the effective date specified in section 1732(b)(1)(A) of the Foreign Investment Risk Review Modernization Act of 2018.

“(B) TRANSACTIONS DESCRIBED.—A transaction described in this subparagraph is any of the following:

“(i) Any merger, acquisition, or takeover that is proposed or pending after August 23, 1988, by or with any foreign person that could result in foreign control of any United States business.

“(ii) Subject to subparagraph (C), the purchase or lease by a foreign person of, or a concession offered to a foreign person with
respect to, private or public real estate that—

“(I) is located in the United States;

“(II)(aa) is, is located at, or will function as part of, a land, air, or maritime port; or

“(bb)(AA) is in close proximity to a United States military installation or another facility or property of the United States Government that is sensitive for reasons relating to national security;

“(BB) could reasonably provide the foreign person the ability to collect information on activities being conducted at such an installation, facility, or property; or

“(CC) could otherwise expose national security activities at such an installation, facility, or property to the risk of foreign surveillance; and

“(III) meets such other criteria as the Committee prescribes by regulation, as long as such criteria do not expand...
the categories of real estate to which
this clause applies beyond the cat-
egories described in subclause (II).

“(iii) Any other investment (other than
a passive investment) by a foreign person in
any United States critical technology com-
pany or United States critical infrastruc-
ture company that is unaffiliated with the
foreign person, subject to regulations pre-
scribed under subparagraph (C).

“(iv) Any change in the rights that a
foreign person has with respect to a United
States business in which the foreign person
has an investment, if that change could re-
sult in—

“(I) foreign control of the United
States business; or

“(II) an investment described in
clause (iii).

“(v) Any other transaction, transfer,
agreement, or arrangement the structure of
which is designed or intended to evade or
circumvent the application of this section,
subject to regulations prescribed by the
Committee.
“(C) Further definition through regulations.—

“(i) Exception for certain real estate transactions.—A real estate purchase or lease described in subparagraph (B)(ii) does not include a lease or purchase of—

“(I) a single ‘housing unit’, as defined by the Census Bureau; or

“(II) real estate in ‘urbanized areas’, as defined by the Census Bureau in the most recent census, except as otherwise prescribed by the Committee in regulations in consultation with the Secretary of Defense.

“(ii) Certain other investment.—

The Committee shall prescribe regulations further defining covered transactions described in subparagraph (B)(iii) by reference to the technology, sector, subsector, transaction type, or other characteristics of such transactions.

“(iii) Exemption for transactions from identified countries.—
“(I) IN GENERAL.—The Committee shall, by regulation, define circumstances and procedures under which a transaction otherwise described in clause (ii) or (iii) of subparagraph (B) is excluded from the definition of ‘covered transaction’ if each foreign person that is a party to the transaction, and each foreign person with ownership or control over a party to the transaction, is from (as determined by the Committee pursuant to regulations prescribed by the Committee), a country or part of a country identified by the Committee for purposes of this clause based on factors established by the Committee, such as—

“(aa) whether, in the sole judgment of the Committee, the process of the country for reviewing the national security effects of foreign investment and associated international cooperation effectively safeguards national security
interests the country shares with
the United States;

“(bb) whether the country is
a member country of the North
Atlantic Treaty Organization or
is designated as a major non-
NATO ally pursuant to section
517 of the Foreign Assistance Act
of 1961 (22 U.S.C. 2321k);

“(cc) whether the country ad-
heres to nonproliferation control
regimes, including treaties and
multilateral supply guidelines,
which shall be informed by sources
such as the annual report on ‘Ad-
herence to and Compliance with
Arms Control, Nonproliferation
and Disarmament Agreements
and Commitments’ required by
section 403 of the Arms Control
and Disarmament Act (22 U.S.C.
2593a);

“(dd) whether excluding
transactions by foreign persons
from the country advances the na-
tional security objectives of the United States; and

“(ee) any other factors that the Committee determines to be appropriate.

“(II) RECURRING ASSESSMENT OF IDENTIFIED COUNTRIES.—The Com-
mittee shall reconsider on a regular basis the identification of countries and parts of countries under subclause (I).

“(iv) EXCEPTION FOR AIR CARRIERS.—For purposes of subparagraph (B)(iii), the term ‘other investment’ does not include an investment involving an air carrier, as defined in section 40102(a)(2) of title 49, United States Code, that holds a certificate issued under section 41102 of that title.

“(v) TRANSFERS OF CERTAIN ASSETS PURSUANT TO BANKRUPTCY PROCEEDINGS OR OTHER DEFAULTS.—The Committee shall prescribe regulations to clarify that the term ‘covered transaction’ includes any transaction described in subparagraph (B)
that arises pursuant to a bankruptcy pro-
ceeding or other form of default on debt.

“(D) PASSIVE INVESTMENT DEFINED.—

“(i) IN GENERAL.—For purposes of
subparagraph (B)(iii), the term ‘passive in-
vestment’ means an investment, direct or
indirect, by a foreign person in a United
States critical infrastructure company or
United States critical technology company
that meets the following criteria:

“(I) The investment is not de-
scribed in subparagraph (B)(i).

“(II) The investment does not af-
ford the foreign person—

“(aa) access to any material
nonpublic technical information
in the possession of the United
States critical infrastructure com-
pany or United States critical
technology company;

“(bb) membership or observer
rights on the board of directors or
equivalent governing body of the
United States critical infrastruc-
ture company or United States
critical technology company or the
right to nominate an individual
to a position on the board of di-
rectors or equivalent governing
body; or

“(cc) any involvement, other
than through voting of shares, in
substantive decisionmaking relat-
ing to the management, govern-
ance, or operation of the United
States critical infrastructure com-
pany or United States critical
technology company.

“(III) The foreign person does not
have a material parallel strategic part-
nership or other material financial re-
lationship, as described in regulations
prescribed by the Committee, with the
United States critical infrastructure
company or United States critical
technology company.

“(IV) Such other criteria as the
Committee may prescribe by regula-
tion, which shall be consistent with the
criteria specified in subclauses (I), (II), and (III).

“(ii) MATERIAL NONPUBLIC TECHNICAL INFORMATION DEFINED.—For purposes of clause (i)(II)(aa), the term ‘material nonpublic technical information’ has the meaning given that term in regulations prescribed by the Committee, except that the term does not include financial information regarding the performance of a United States critical infrastructure company or United States critical technology company.

“(iii) EFFECT OF LEVEL OF OWNERSHIP INTEREST.—

“(I) IN GENERAL.—A determination of whether an investment is a passive investment under clause (i) shall be made without regard to how low the level of ownership interest a foreign person would hold or acquire in a United States critical infrastructure company or United States critical technology company would be as a result of the investment.

“(II) REGULATIONS.—
“(aa) IN GENERAL.—The Committee may prescribe regulations specifying that any investment (other than an investment described in item (bb)) greater than a certain level or amount shall not be considered a passive investment under clause (i).

“(bb) INVESTMENT DESCRIBED.—An investment described in this item is an investment—

“(AA) by a foreign person in a United States critical infrastructure company or United States critical technology company through an investment fund;

“(BB) that does not result in the foreign person’s control of the United States critical technology or United States critical infrastructure company; and
“(CC) that otherwise meets the requirements of clauses (i) and (iv), as applicable.

“(iv) SPECIFIC CLARIFICATION FOR INVESTMENT FUNDS.—

“(I) TREATMENT OF CERTAIN INVESTMENTS AS PASSIVE INVESTMENTS.—Notwithstanding clause (i)(II)(bb) and subject to regulations prescribed by the Committee, an indirect investment by a foreign person in a United States critical infrastructure company or United States critical technology company through an investment fund that affords the foreign person (or a designee of the foreign person) membership as a limited partner on an advisory board or a committee of the fund shall be considered a passive investment if—

“(aa) the fund is managed exclusively by a general partner, a managing member, or an equivalent;
“(bb) the general partner, managing member, or equivalent is not a foreign person;

“(cc) the advisory board or committee does not have the ability to approve, disapprove, or otherwise control—

“(AA) investment decisions of the fund; or

“(BB) decisions made by the general partner, managing member, or equivalent related to entities in which the fund is invested;

“(dd) the foreign person does not otherwise have the ability to control the fund, including the authority—

“(AA) to approve, disapprove, or otherwise control investment decisions of the fund;

“(BB) to approve, disapprove, or otherwise control decisions made by the general
partner, managing member, or equivalent related to entities in which the fund is invested; or

“(CC) to unilaterally dismiss, prevent the dismissal of, select, or determine the compensation of the general partner, managing member, or equivalent; and

“(ee) the investment otherwise meets the requirements of this subparagraph.

“(II) TREATMENT OF CERTAIN WAIVERS.—

“(aa) IN GENERAL.—For the purposes of items (cc) and (dd) of subclause (I) and except as provided in item (bb), a waiver of a potential conflict of interest, a waiver of an allocation limitation, or a similar activity, applicable to a transaction pursuant to the terms of an agreement governing an investment fund shall
not be considered to constitute
control of investment decisions of
the fund or decisions relating to
terms in which the fund is in-
vested.

“(bb) Exception.—The
Committee may prescribe regula-
tions providing for exceptions to
item (aa) for extraordinary cir-
cumstances.

“(v) Regulations.—The Committee
shall prescribe regulations providing guid-
ance on the types of transactions that the
Committee considers to be passive invest-
ment.

“(E) United States critical infra-
structure company defined.—For purposes
of this paragraph, the term ‘United States crit-
ical infrastructure company’ means a United
States business that is, owns, operates, or pri-
marily provides services to, an entity or entities
that operate within a critical infrastructure sec-
tor or subsector, as defined by regulations pre-
scribed by the Committee.
“(F) UNITED STATES CRITICAL TECHNOLOGY COMPANY DEFINED.—For purposes of this paragraph, the term ‘United States critical technology company’ means a United States business that produces, designs, tests, manufactures, or develops one or more critical technologies, or a subset of such technologies, as defined by regulations prescribed by the Committee.

“(6) CRITICAL INFRASTRUCTURE.—The term ‘critical infrastructure’ means, subject to regulations prescribed by the Committee, systems and assets, whether physical or virtual, so vital to the United States that the incapacity or destruction of such systems or assets would have a debilitating impact on national security.

“(7) CRITICAL MATERIALS.—The term ‘critical materials’ means physical materials essential to national security, subject to regulations prescribed by the Committee.

“(8) CRITICAL TECHNOLOGIES.—

“(A) IN GENERAL.—The term ‘critical technologies’ means technology, components, or technology items that are essential or could be essential to national security, identified for purposes
of this section pursuant to regulations prescribed by the Committee.

“(B) INCLUSION OF CERTAIN ITEMS.—The term ‘critical technologies’ includes the following:


“(ii) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled—

“(I) pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

“(II) for reasons relating to regional stability or surreptitious listening.
“(iii) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities).

“(iv) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material).

“(v) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code.

“(vi) Emerging and foundational technologies identified pursuant to section 1725(a) of the Foreign Investment Risk Review Modernization Act of 2018.

“(9) FOREIGN GOVERNMENT-CONTROLLED TRANSACTION.—The term ‘foreign government-controlled transaction’ means any covered transaction that could result in the control of any United States business by a foreign government or an entity controlled by or acting on behalf of a foreign government.
“(10) FOREIGN PERSON.—

“(A) IN GENERAL.—The term ‘foreign person’ means—

“(i) any foreign national, foreign government, or foreign entity; or

“(ii) any entity over which control is exercised or exercisable by a foreign national, foreign government, or foreign entity.

“(B) FOREIGN ENTITY DEFINED.—

“(i) IN GENERAL.—For purposes of subparagraph (A) and except as provided in clause (ii), the term ‘foreign entity’ means any branch, partnership, group or subgroup, association, estate, trust, corporation or division of a corporation, or organization organized under the laws of a foreign country if—

“(I) the principal place of business of the entity is outside the United States; or

“(II) the equity securities of the entity are primarily traded on one or more foreign exchanges.
“(ii) Exception.—For purposes of subparagraph (A), the term ‘foreign entity’ does not include an entity that demonstrates to the Committee that a majority of the equity interest in the entity is ultimately owned by United States nationals.

“(11) Intelligence Community.—The term ‘intelligence community’ has the meaning given that term in section 3(4) of the National Security Act of 1947 (50 U.S.C. 3003(4)).

“(12) Investment.—The term ‘investment’ means the acquisition of equity interest, including contingent equity interest, as further defined in regulations prescribed by the Committee.

“(13) Lead Agency.—The term ‘lead agency’ means the agency or agencies designated as the lead agency or agencies pursuant to subsection (k)(5).

“(14) National Security.—The term ‘national security’ shall be construed so as to include those issues relating to ‘homeland security’, including its application to critical infrastructure.

“(15) Party.—The term ‘party’ has the meaning given that term in regulations prescribed by the Committee.
“(16) United States.—The term ‘United States’ means the several States, the District of Columbia, and any territory or possession of the United States.

“(17) United States business.—The term ‘United States business’ means a person engaged in interstate commerce in the United States.”.

SEC. 1704. ACCEPTANCE OF WRITTEN NOTICES.


(1) by striking “Any party” and inserting the following:

“(I) in general.—Any party”;

and

(2) by adding at the end the following:

“(II) comments and acceptance.—

“(aa) in general.—Subject to item (cc), the Committee shall provide comments on a draft or final written notice or accept a final written notice submitted under subclause (I) with respect to a covered transaction not later than the date that is 10 business
days after the date of submission
of the draft or final notice.

“(bb) Completeness.—If
the Committee determines that a
draft or final written notice de-
scribed in item (aa) is not com-
plete, the Committee shall notify
the party or parties to the trans-
action in writing that the notice
is not complete and provide an
explanation of all material re-
spects in which the notice is in-
complete.

“(cc) Stipulations Required.—The timing requirement
under item (aa) shall apply only
in a case in which the parties
stipulate under clause (vi) that
the transaction is a covered trans-
action.”.

SEC. 1705. INCLUSION OF PARTNERSHIP AND SIDE AGRE-
EMENTS IN NOTICE.

Section 721(b)(1)(C) of the Defense Production Act of
1950 (50 U.S.C. 4565(b)(1)(C)) is amended by adding at
the end the following:
“(iv) Inclusion of Partnership and Side Agreements.—A written notice submitted under clause (i) by a party to a covered transaction shall include a copy of any partnership agreements, integration agreements, or other side agreements relating to the transaction, including any such agreements relating to the transfer of intellectual property, as specified in regulations prescribed by the Committee.”

SEC. 1706. DECLARATIONS FOR CERTAIN COVERED TRANSACTIONS.

Section 721(b)(1)(C) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)(C)), as amended by section 1705, is further amended by adding at the end the following:

“(v) Declarations for Certain Covered Transactions.—

“(I) In general.—A party to any covered transaction may submit to the Committee a declaration with basic information regarding the transaction instead of a written notice under clause (i).
“(II) REGULATIONS.—The Committee shall prescribe regulations establishing requirements for declarations submitted under this clause. In prescribing such regulations, the Committee shall ensure that such declarations are submitted as abbreviated notifications that would not generally exceed 5 pages in length.

“(III) COMMITTEE RESPONSE TO DECLARATION.—

“(aa) IN GENERAL.—Upon receiving a declaration under this clause with respect to a covered transaction, the Committee may, at the discretion of the Committee—

“(AA) request that the parties to the transaction file a written notice under clause (i);

“(BB) inform the parties to the transaction that the Committee is not able to complete action under this
section with respect to the transaction on the basis of the declaration and that the parties may file a written notice under clause (i) to seek written notification from the Committee that the Committee has completed all action under this section with respect to the transaction;

“(CC) initiate a unilateral review of the transaction under subparagraph (D); or

“(DD) notify the parties in writing that the Committee has completed all action under this section with respect to the transaction.

“(bb) TIMING.—The Committee shall take action under item (aa) not later than 30 days after receiving a declaration under this clause.

“(cc) RULE OF CONSTRUCTION.—Nothing in this subclause
(other than item (aa)(CC)) shall be construed to affect the authority of the President or the Committee to take any action authorized by this section with respect to a covered transaction.

“(IV) MANDATORY DECLARATIONS.—

“(aa) REGULATIONS.—The Committee shall prescribe regulations specifying the types of covered transactions for which the Committee requires a declaration under this subclause.

“(bb) CERTAIN COVERED TRANSACTIONS WITH FOREIGN GOVERNMENT INTERESTS.—

“(AA) IN GENERAL.—Except as provided in subitem (BB), the parties to a covered transaction shall submit a declaration described in subclause (I) with respect to the transaction if the transaction involves an
investment that results in the acquisition, directly or indirectly, of a substantial interest in a United States critical infrastructure company or United States critical technology company by a foreign person in which a foreign government has, directly or indirectly, a substantial interest.

“(BB) Exception.—
The submission of a declaration described in subclause (I) shall not be required with respect to a transaction described in subitem (AA) if each foreign person that is a party to the transaction, and each foreign person with ownership or control over a party to the transaction, is from a country or part of a country identified by the
Committee under subsection (a)(5)(C)(iii).

“(CC) SUBSTANTIAL INTEREST DEFINED.—In this item, the term ‘substantial interest’ has the meaning given that term in regulations which the Committee shall prescribe. In developing those regulations, the Committee shall consider the means by which a foreign government could influence the actions of a foreign person, including through board membership, ownership interest, or shareholder rights. An interest that is a passive investment (as defined in subsection (a)(5)(D)) or that is less than a 10 percent voting interest shall not be considered a substantial interest.

“(cc) OTHER DECLARATIONS REQUIRED BY COMMITTEE.—The
Committee shall require the submission of a declaration described in subclause (I) with respect to any covered transaction identified under regulations prescribed by the Committee for purposes of this item, at the discretion of the Committee and based on appropriate factors, such as—

“(AA) the technology, industry, economic sector, or economic subsector in which the United States business that is a party to the transaction trades or of which it is a part;

“(BB) the difficulty of remedying the harm to national security that may result from completion of the transaction;

“(CC) the difficulty of obtaining information on the type of covered transaction through other means; and
“(DD) the difficulty of obtaining information on the ultimate ownership of the foreign person that is a party to the transaction.

“(dd) Exception.—The submission of a declaration described in subclause (I) shall not be required pursuant to this subclause with respect to an investment by an investment fund if—

“(AA) the fund is managed exclusively by a general partner, a managing member, or an equivalent;

“(BB) the general partner, managing member, or equivalent is not a foreign person; and

“(CC) the investment fund satisfies, with respect to any foreign person with membership as a limited partner on an advisory board or a committee of the
fund, the criteria specified in items (cc) and (dd) of subsection (a)(5)(D)(iv).

“(ee) Submission of Written Notice as an Alternative.—Parties to a covered transaction for which a declaration is required under this subclause may instead elect to submit a written notice under clause (i).

“(ff) Timing of Submission.—

“(AA) In General.—A declaration required to be submitted with respect to a covered transaction by this subclause shall be submitted not later than 45 days before the completion of the transaction.

“(BB) Written Notice.—If, pursuant to item (ee), the parties to a covered transaction elect to submit a written notice under clause
(i) instead of a declaration under this subclause, the written notice shall be filed not later than 90 days before the completion of the transaction.

“(gg) Penalties.—The Committee may impose a penalty pursuant to subsection (h)(3) with respect to a party that fails to comply with this subclause.”.

SEC. 1707. STIPULATIONS REGARDING TRANSACTIONS.

Section 721(b)(1)(C) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)(C)), as amended by section 1706, is further amended by adding at the end the following:

“(vi) Stipulations regarding transactions.—

“(I) In general.—In a written notice submitted under clause (i) or a declaration submitted under clause (v) with respect to a transaction, a party to the transaction may—
“(aa) stipulate that the
transaction is a covered trans-
action; and

“(bb) if the party stipulates
that the transaction is a covered
transaction under item (aa), stip-
ulate that the transaction is a for-
eign government-controlled trans-
action.

“(II) BASIS FOR STIPULATION.—
A written notice submitted under
clause (i) or a declaration submitted
under clause (v) that includes a stipu-
lation under subclause (I) shall include
a description of the basis for the stipu-
lation.”.

SEC. 1708. AUTHORITY FOR UNILATERAL INITIATION OF RE-
VIEWS.

Section 721(b)(1) of the Defense Production Act of
1950 (50 U.S.C. 4565(b)(1)) is amended—

(1) by redesignating subparagraphs (E) and (F)
as subparagraphs (F) and (G), respectively;

(2) in subparagraph (D)—
(A) in the matter preceding clause (i), by striking “subparagraph (F)” and inserting “subparagraph (G)”;

(B) in clause (i), by inserting “(other than a covered transaction described in subparagraph (E))” after “any covered transaction”; and

(C) by striking clause (ii) and inserting the following:

“(ii) any covered transaction described in subparagraph (E), if any party to the transaction submitted false or misleading material information to the Committee in connection with the Committee’s consideration of the transaction or omitted material information, including material documents, from information submitted to the Committee; or”; and

(D) in clause (iii)—

(i) in the matter preceding subclause (I), by striking “any covered transaction that has previously been reviewed or investigated under this section,” and inserting “any covered transaction described in subparagraph (E),”;}
(ii) in subclause (I), by striking “intentionally”; 

(iii) in subclause (II), by striking “an intentional” and inserting “a”; and 

(iv) in subclause (III), by inserting “adequate and appropriate” before “remedies or enforcement tools”; and 

(3) by inserting after subparagraph (D) the following:

“(E) COVERED TRANSACTIONS DESCRIBED.—A covered transaction is described in this subparagraph if—

“(i) the Committee has informed the parties to the transaction in writing that the Committee has completed all action under this section with respect to the transaction; or 

“(ii) the President has announced a decision not to exercise the President’s authority under subsection (d) with respect to the transaction.”.

SEC. 1709. TIMING FOR REVIEWS AND INVESTIGATIONS.

Section 721(b) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)), as amended by section 1708, is further amended—
(1) in paragraph (1)(F), by striking “30” and inserting “45”; 

(2) in paragraph (2), by striking subparagraph (C) and inserting the following:

“(C) TIMING.—

“(i) IN GENERAL.—Except as provided in clause (ii), any investigation under subparagraph (A) shall be completed before the end of the 45-day period beginning on the date on which the investigation commenced.

“(ii) EXTENSION FOR EXTRAORDINARY CIRCUMSTANCES.—

“(I) IN GENERAL.—In extraordinary circumstances (as defined by the Committee in regulations), the chairperson may, at the request of the head of the lead agency, extend an investigation under subparagraph (A) for one 30-day period.

“(II) NONDELEGATION.—The authority of the chairperson and the head of the lead agency referred to in subclause (I) may not be delegated to any person other than the Deputy Secretary of the Treasury or the deputy head (or
equivalent thereof) of the lead agency, as the case may be.

“(III) Notification to parties.—If the Committee extends the deadline under subclause (I) with respect to a covered transaction, the Committee shall notify the parties to the transaction of the extension.”; and

(3) by adding at the end the following:

“(8) Tolling of deadlines during lapse in appropriations.—Any deadline or time limitation under this subsection shall be tolled during a lapse in appropriations.”.

SEC. 1710. MONITORING OF NON-NOTIFIED AND NON-DECLARED TRANSACTIONS.

Section 721(b)(1) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)), as amended by sections 1708 and 1709, is further amended by adding at the end the following:

“(H) Monitoring of non-notified and non-declared transactions.—The Committee shall establish a mechanism to identify covered transactions for which—

“(i) a notice under clause (i) of subparagraph (C) or a declaration under
clause (v) of that subparagraph is not sub-
mitted to the Committee; and

“(ii) information is reasonably avail-
able.”.

SEC. 1711. SUBMISSION OF CERTIFICATIONS TO CONGRESS.

Section 721(b)(3)(C) of the Defense Production Act of
1950 (50 U.S.C. 4565(b)(3)(C)) is amended—

(1) in clause (iii)—

(A) in subclause (II), by inserting “and the
Select Committee on Intelligence” after “Urban
Affairs”; and

(B) in subclause (IV), by inserting “and the
Permanent Select Committee on Intelligence”
after “Financial Services”;

(2) in clause (iv), by striking subclause (II) and
inserting the following:

“(II) DELEGATION OF CERTIFI-
CATIONS.—

“(aa) IN GENERAL.—Subject
to item (bb), the chairperson, in
consultation with the Committee,
may determine the level of official
to whom the signature require-
ment under subclause (I) for the
chairperson and the head of the
lead agency may be delegated. The level of official to whom the signature requirement may be delegated may differ based on any factor relating to a transaction that the chairperson, in consultation with the Committee, deems appropriate, including the type or value of the transaction.

“(bb) LIMITATION ON DELEGATION WITH RESPECT TO CERTAIN TRANSACTIONS.—The signature requirement under subclause (I) may be delegated not below the level of the Assistant Secretary of the Treasury or an equivalent official of the lead agency in the case of a covered transaction—

“(AA) assessed by the Director of National Intelligence under paragraph (4) as more likely than not to threaten the national security of the United States;
“(BB) with respect to which the Committee conducts an investigation under paragraph (2); or

“(CC) with respect to which a request is made by an official at the Deputy Assistant Secretary or Assistant Secretary level of an agency or department represented on the Committee, or an equivalent thereof, that the transaction be reviewed by the Assistant Secretary of the Treasury and an equivalent official of the lead agency.

“(cc) LIMITATION ON DELEGATION WITH RESPECT TO OTHER TRANSACTIONS.—In the case of any covered transaction not described in item (bb), the signature requirement under subclause (I) may be delegated not below the level of a Deputy Assistant Secretary of the Treasury or an
equivalent official of the lead agency.”; and

(3) by adding at the end the following:

“(v) AUTHORITY TO CONSOLIDATE DOCUMENTS.—Instead of transmitting a separate certified notice or certified report under subparagraph (A) or (B) with respect to each covered transaction, the Committee may, on a monthly basis, transmit such notices and reports in a consolidated document to the Members of Congress specified in clause (iii).”.

SEC. 1712. ANALYSIS BY DIRECTOR OF NATIONAL INTELLIGENCE.

Section 721(b)(4) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(4)) is amended—

(1) by striking subparagraph (A) and inserting the following:

“(A) ANALYSIS REQUIRED.—

“(i) IN GENERAL.—Except as provided in subparagraph (B), the Director of National Intelligence shall expeditiously carry out a thorough analysis of any threat to the national security of the United States posed by any covered transaction, which shall in-
clude the identification of any recognized gaps in the collection of intelligence relevant to the analysis.

“(ii) **Views of Intelligence Community.**—The Director shall seek and incorporate into the analysis required by clause (i) the views of all affected or appropriate agencies of the intelligence community with respect to the transaction.

“(iii) **Updates.**—At the request of the lead agency, the Director shall update the analysis conducted under clause (i) with respect to a covered transaction with respect to which an agreement was entered into under subsection (l)(3)(A).

“(iv) **Independence and Objectivity.**—The Committee shall ensure that its processes under this section preserve the ability of the Director to conduct analysis under clause (i) that is independent, objective, and consistent with all applicable directives, policies, and analytic tradecraft standards of the intelligence community.”;
(2) by redesignating subparagraphs (B), (C), and (D) as subparagraphs (C), (D), and (E), respectively;

(3) by inserting after subparagraph (A) the following:

“(B) BASIC THREAT INFORMATION.—

“(i) IN GENERAL.—The Director of National Intelligence may provide the Committee with basic information regarding any threat to the national security of the United States posed by a covered transaction described in clause (ii) instead of conducting the analysis required by subparagraph (A).

“(ii) COVERED TRANSACTION DESCRIBED.—A covered transaction is described in this clause if—

“(I) the transaction is described in subsection (a)(5)(B)(ii);

“(II) the Director of National Intelligence has completed an analysis pursuant to subparagraph (A) involving each foreign person that is a party to the transaction during the 12 months preceding the review or inves-
tigation of the transaction under this section; or

“(III) the transaction otherwise meets criteria agreed upon by the Committee and the Director for purposes of this subparagraph.”;

(4) in subparagraph (C), as redesignated by paragraph (2), by striking “20” and inserting “30”; and

(5) by adding at the end the following:

“(F) ASSESSMENT OF OPERATIONAL IMPACT.—The Director may provide to the Committee an assessment, separate from the analyses under subparagraphs (A) and (B), of any operational impact of a covered transaction on the intelligence community and a description of any actions that have been or will be taken to mitigate any such impact.

“(G) SUBMISSION TO CONGRESS.—The Committee shall submit the analysis required by subparagraph (A) with respect to a covered transaction to the Select Committee on Intelligence of the Senate and the Permanent Select Committee on Intelligence of the House of Representatives upon the conclusion of action under
this section (other than compliance plans under subsection (l)(6)) with respect to the trans-
action.”.

SEC. 1713. INFORMATION SHARING.

Section 721(c) of the Defense Production Act of 1950 (50 U.S.C. 4565(c)) is amended—

(1) by striking “Any information” and inserting
the following:

“(1) IN GENERAL.—Except as provided in para-
graph (2), any information”;

(2) by striking “, except as may be relevant” and
all that follows and inserting a period; and

(3) by adding at the end the following:

“(2) EXCEPTIONS.—Paragraph (1) shall not pro-
hibit the disclosure of the following:

“(A) Information relevant to any adminis-
trative or judicial action or proceeding.

“(B) Information to Congress or any duly
authorized committee or subcommittee of Con-
gress.

“(C) Information to any domestic or foreign
governmental entity, under the direction of the
chairperson, to the extent necessary for national
security purposes and pursuant to appropriate
confidentiality and classification arrangements.
“(D) Information that the parties have consented to be disclosed to third parties.

“(3) COOPERATION WITH ALLIES AND PARTNERS.—

“(A) IN GENERAL.—The chairperson, in consultation with other members of the Committee, should establish a formal process for the exchange of information under paragraph (2)(C) with governments of countries that are allies or partners of the United States, in the discretion of the chairperson, to protect the national security of the United States and those countries.

“(B) REQUIREMENTS.—The process established under subparagraph (A) should, in the discretion of the chairperson—

“(i) be designed to facilitate the harmonization of action with respect to trends in investment and technology that could pose risks to the national security of the United States and countries that are allies or partners of the United States;

“(ii) provide for the sharing of information with respect to specific technologies and entities acquiring such technologies as
appropriate to ensure national security;
and

“(iii) include consultations and meet-
ings with representatives of the governments
of such countries on a recurring basis.”.

SEC. 1714. ACTION BY THE PRESIDENT.

(a) In general.—Section 721(d) of the Defense Pro-
duction Act of 1950 (50 U.S.C. 4565(d)) is amended—

(1) by striking paragraph (1) and inserting the
following:

“(1) In general.—Subject to paragraph (4), the
President may, with respect to a covered transaction
that threatens to impair the national security of the
United States, take such action for such time as the
President considers appropriate to suspend or pro-
hibit the transaction or to require divestment.”; and

(2) in paragraph (2), by striking “not later than
15 days” and all that follows and inserting the fol-
lowing: “with respect to a covered transaction not
later than 15 days after the earlier of—

“(A) the date on which the investigation of
the transaction under subsection (b) is com-
pleted; or
“(B) the date on which the Committee otherwise refers the transaction to the President under subsection (l)(2).”.

(b) CIVIL PENALTIES.—Section 721(h)(3)(A) of the Defense Production Act of 1950 (50 U.S.C. 4565(h)(3)(A)) is amended by striking “including any mitigation” and all that follows through “subsection (l)” and inserting “including any mitigation agreement entered into, conditions imposed, or order issued pursuant to this section”.

SEC. 1715. JUDICIAL REVIEW.

Section 721(e) of the Defense Production Act of 1950 (50 U.S.C. 4565(e)) is amended—

(1) by striking “The actions” and inserting the following:

“(1) IN GENERAL.—The actions”; and

(2) by adding at the end the following:

“(2) CIVIL ACTIONS.—A civil action challenging an action or finding of the Committee under this section may be brought only in the United States Court of Appeals for the District of Columbia Circuit.

“(3) PROCEDURES FOR REVIEW OF PRIVILEGED INFORMATION.—If a civil action challenging an action or finding of the Committee under this section is brought, and the court determines that protected information in the administrative record, including
classified, sensitive law enforcement, sensitive security, or other information subject to privilege or protections under any provision of law, is necessary to resolve the challenge, that information shall be submitted ex parte and in camera to the court and the court shall maintain that information under seal.

“(4) APPLICABILITY OF USE OF INFORMATION PROVISIONS.—The use of information provisions of sections 106, 305, 405, and 706 of the Foreign Intelligence Surveillance Act of 1978 (50 U.S.C. 1806, 1825, 1845, and 1881e) shall not apply in a civil action brought under this subsection.”.

SEC. 1716. MEMBERSHIP AND STAFF OF COMMITTEE.

(a) Hiring Authority.—Section 721(k) of the Defense Production Act of 1950 (50 U.S.C. 4565(k)) is amended by striking paragraph (4) and inserting the following:

“(4) Hiring Authority.—

“(A) Senior Officials.—

“(i) In general.—Each member of the Committee shall designate an Assistant Secretary, or an equivalent official, who is appointed by the President, by and with the advice and consent of the Senate, to carry out such duties related to the Committee as the member of the Committee may delegate.
“(ii) DEPARTMENT OF THE TREASURY.—In addition to officials of the Department of the Treasury authorized under section 301 of title 31, United States Code, or any other provision of law, there are authorized at the Department of the Treasury, to carry out such duties related to the Committee as the Secretary of the Treasury may delegate, consistent with this section and reflecting the expanded authorities of the Committee and the role of the Department of the Treasury in implementing those authorities under the amendments made by the Foreign Investment Risk Review Modernization Act of 2018, the following:

“(I) One official, who is appointed by the President, by and with the advice and consent of the Senate, who shall be compensated at a rate not to exceed the rate of basic pay payable for level III of the Executive Schedule under section 5314 of title 5, United States Code.

“(II) One official, who is appointed by the President, by and with
the advice and consent of the Senate, who shall be compensated at a rate not to exceed the rate of basic pay payable for level IV of the Executive Schedule under section 5315 of title 5, United States Code.

“(B) SPECIAL HIRING AUTHORITY.—The heads of the departments and agencies represented on the Committee may appoint, without regard to the provisions of sections 3309 through 3318 of title 5, United States Code, candidates directly to positions in the competitive service (as defined in section 2102 of that title) in their respective departments and agencies to administer this section.”.

(b) PROCEDURES FOR RECUSAL OF MEMBERS OF COMMITTEE FOR CONFLICTS OF INTEREST.—Not later than 90 days after the date of the enactment of this Act, the Committee on Foreign Investment in the United States shall—

(1) establish procedures for the recusal of any member of the Committee that has a conflict of interest with respect to a covered transaction (as defined in section 721 of the Defense Production Act of 1950, as amended by section 1703);
(2) submit to the Committee on Banking, Housing, and Urban Affairs of the Senate and the Committee on Financial Services of the House of Representatives a report describing those procedures; and

(3) brief the committees specified in paragraph (1) on the report required by paragraph (2).

SEC. 1717. ACTIONS BY THE COMMITTEE TO ADDRESS NATIONAL SECURITY RISKS.

Section 721(l) of the Defense Production Act of 1950 (50 U.S.C. 4565(l)) is amended—

(1) in the subsection heading, by striking “MITIGATION, TRACKING, AND POSTCONSUMMATION MONITORING AND ENFORCEMENT” and inserting “ACTIONS BY THE COMMITTEE TO ADDRESS NATIONAL SECURITY RISKS”;

(2) by redesignating paragraphs (1), (2), and (3) as paragraphs (3), (5), and (6), respectively;

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

“(1) SUSPENSION OF TRANSACTIONS.—The Committee, acting through the chairperson, may suspend a proposed or pending covered transaction that may pose a risk to the national security of the United States for such time as the covered transaction is under review or investigation under subsection (b).
“(2) REFERRAL TO PRESIDENT.—The Committee may, at any time during the review or investigation of a covered transaction under subsection (b), complete the action of the Committee with respect to the transaction and refer the transaction to the President for action pursuant to subsection (d).”;

(4) in paragraph (3), as redesignated by paragraph (2)—

(A) in subparagraph (A)—

(i) in the subparagraph heading, by striking “IN GENERAL” and inserting “AGREEMENTS AND CONDITIONS”;

(ii) by striking “The Committee” and inserting the following:

“(i) IN GENERAL.—The Committee”;

(iii) by striking “threat” and inserting “risk”; and

(iv) by adding at the end the following:

“(ii) ABANDONMENT OF TRANSACTIONS.—If a party to a covered transaction has voluntarily chosen to abandon the transaction, the Committee or lead agency, as the case may be, may negotiate, enter into or impose, and enforce any agreement or condition with any party to the
covered transaction for purposes of effectuating such abandonment and mitigating any risk to the national security of the United States that arises as a result of the covered transaction.

“(iii) AGREEMENTS AND CONDITIONS RELATING TO COMPLETED TRANSACTIONS.—The Committee or lead agency, as the case may be, may negotiate, enter into or impose, and enforce any agreement or condition with any party to a completed covered transaction in order to mitigate any interim risk to the national security of the United States that may arise as a result of the covered transaction until such time that the Committee has completed action pursuant to subsection (b) or the President has taken action pursuant to subsection (d) with respect to the transaction.”; and

(B) by striking subparagraph (B) and inserting the following:

“(B) LIMITATIONS.—An agreement may not be entered into or condition imposed under subparagraph (A) with respect to a covered transaction unless the Committee determines that the
agreement or condition resolves the national security concerns posed by the transaction, taking into consideration whether the agreement or condition is reasonably calculated to—

“(i) be effective;

“(ii) allow for compliance with the terms of the agreement or condition in an appropriately verifiable way; and

“(iii) enable effective monitoring of compliance with and enforcement of the terms of the agreement or condition.

“(C) JURISDICTION.—The provisions of section 706(b) shall apply to any mitigation agreement entered into or condition imposed under subparagraph (A).”;

(5) by inserting after paragraph (3), as redesignated by paragraph (2), the following:

“(4) RISK-BASED ANALYSIS REQUIRED.—

“(A) IN GENERAL.—Any determination of the Committee to suspend a covered transaction under paragraph (1), to refer a covered transaction to the President under paragraph (2), or to negotiate, enter into or impose, or enforce any agreement or condition under paragraph (3)(A) with respect to a covered transaction, shall be
based on a risk-based analysis, conducted by the Committee, of the effects on the national security of the United States of the covered transaction, which shall include an assessment of the threat, vulnerabilities, and consequences to national security related to the transaction.

“(B) ACTIONS OF MEMBERS OF THE COMMITTEE.—

“(i) IN GENERAL.—Any member of the Committee who concludes that a covered transaction poses an unresolved national security concern shall recommend to the Committee that the Committee suspend the transaction under paragraph (1), refer the transaction to the President under paragraph (2), or negotiate, enter into or impose, or enforce any agreement or condition under paragraph (3)(A) with respect to the transaction. In making that recommendation, the member shall propose or contribute to the risk-based analysis required by subparagraph (A).

“(ii) FAILURE TO REACH CONSENSUS.—If the Committee fails to reach consensus with respect to a recommendation
under clause (i) regarding a covered trans-
action, the members of the Committee who
support an alternative recommendation
shall produce—

“(I) a written statement justifi-
fying the alternative recommendation;
and

“(II) as appropriate, a risk-based
analysis that supports the alternative
recommendation.

“(C) DEFINITIONS.—For purposes of sub-
paragraph (A), the terms ‘threat’,
‘vulnerabilities’, and ‘consequences to national
security’ shall have the meanings given those
terms by the Committee by regulation.”;

(6) in paragraph (5)(B), as redesignated by
paragraph (2), by striking “(as defined in the Na-
tional Security Act of 1947)”;

and

(7) in paragraph (6), as redesignated by para-
graph (2)—

(A) in subparagraph (A)—

(i) by striking “paragraph (1)” and
inserting “paragraph (3)”;

(ii) by striking the second sentence and
inserting the following: “The lead agency
may, at its discretion, seek and receive the assistance of other departments or agencies in carrying out the purposes of this paragraph.”;

(B) in subparagraph (B)—

(i) by striking “DESIGNATED AGENCY” and all that follows through “The lead agency in connection” and inserting “DESIGNATED AGENCY.—The lead agency in connection”;

(ii) by striking clause (ii); and

(iii) by redesignating subclauses (I) and (II) as clauses (i) and (ii), respectively, and by moving such clauses, as so redesignated, 2 ems to the left; and

(C) by adding at the end the following:

“(C) COMPLIANCE PLANS.—

“(i) IN GENERAL.—In the case of a covered transaction with respect to which an agreement is entered into under paragraph (3)(A), the Committee or lead agency, as the case may be, shall formulate, adhere to, and keep updated a plan for monitoring compliance with the agreement.
“(ii) **Elements.**—Each plan required by clause (i) with respect to an agreement entered into under paragraph (3)(A) shall include an explanation of—

“(I) which member of the Committee will have primary responsibility for monitoring compliance with the agreement;

“(II) how compliance with the agreement will be monitored;

“(III) how frequently compliance reviews will be conducted;

“(IV) whether an independent entity will be utilized under subparagraph (E) to conduct compliance reviews; and

“(V) what actions will be taken if the parties fail to cooperate regarding monitoring compliance with the agreement.

“(D) **Effect of Lack of Compliance.**—If, at any time after a mitigation agreement or condition is entered into or imposed under paragraph (3)(A), the Committee or lead agency, as the case may be, determines that a party or par-
ties to the agreement or condition are not in compliance with the terms of the agreement or condition, the Committee or lead agency may, in addition to the authority of the Committee to impose penalties pursuant to subsection (h)(3) and to unilaterally initiate a review of any covered transaction under subsection (b)(1)(D)(iii)—

“(i) negotiate a plan of action for the party or parties to remediate the lack of compliance, with failure to abide by the plan or otherwise remediate the lack of compliance serving as the basis for the Committee to find a material breach of the agreement or condition;

“(ii) require that the party or parties submit a written notice under clause (i) of subsection (b)(1)(C) or a declaration under clause (v) of that subsection with respect to a covered transaction initiated after the date of the determination of noncompliance and before the date that is 5 years after the date of the determination to the Committee to initiate a review of the transaction under subsection (b); or
“(iii) seek injunctive relief.

“(E) Use of Independent Entities to Monitor Compliance.—If the parties to an agreement entered into under paragraph (3)(A) enter into a contract with an independent entity from outside the United States Government for the purpose of monitoring compliance with the agreement, the Committee shall take such action as is necessary to prevent a conflict of interest from arising by ensuring that the independent entity owes no fiduciary duty to the parties.

“(F) Successors and Assigns.—Any agreement or condition entered into or imposed under paragraph (3)(A) shall be considered binding on all successors and assigns unless and until the agreement or condition terminates on its own terms or is otherwise terminated by the Committee in its sole discretion.

“(G) Additional Compliance Measures.—Subject to subparagraphs (A) through (F), the Committee shall develop and agree upon methods for evaluating compliance with any agreement entered into or condition imposed with respect to a covered transaction that will allow the Committee to adequately ensure com-
pliance without unnecessarily diverting Committee resources from assessing any new covered transaction for which a written notice under clause (i) of subsection (b)(1)(C) or declaration under clause (v) of that subsection has been filed, and if necessary, reaching a mitigation agreement with or imposing a condition on a party to such covered transaction or any covered transaction for which a review has been reopened for any reason.”.

SEC. 1718. MODIFICATION OF ANNUAL REPORT AND OTHER REPORTING REQUIREMENTS.

(a) MODIFICATION OF ANNUAL REPORT.—Section 721(m) of the Defense Production Act of 1950 (50 U.S.C. 4565(m)) is amended—

(1) in paragraph (2)—

(A) by amending subparagraph (A) to read as follows:

“(A) A list of all notices filed and all reviews or investigations of covered transactions completed during the period, with—

“(i) a description of the outcome of each review or investigation, including whether an agreement was entered into or condition was imposed under subsection
(l)(3)(A) with respect to the transaction being reviewed or investigated, and whether the President took any action under this section with respect to that transaction;

“(ii) basic information on each party to each such transaction;

“(iii) the nature of the business activities or products of the United States business with which the transaction was entered into or intended to be entered into; and

“(iv) information about any withdrawal from the process.”; and

(B) by adding at the end the following:

“(G) Statistics on compliance plans conducted and actions taken by the Committee under subsection (l)(6), including subparagraph (D) of that subsection, during that period, a general assessment of the compliance of parties with agreements entered into and conditions imposed under subsection (l)(3)(A) that are in effect during that period, including a description of any actions taken by the Committee to impose penalties or initiate a unilateral review pursuant to subsection (b)(1)(D)(iii), and any recommenda-
tions for improving the enforcement of such agreements and conditions.

“(H) Cumulative and, as appropriate, trend information on the number of declarations filed under subsection (b)(1)(C)(v), the actions taken by the Committee in response to those declarations, the business sectors involved in those declarations, and the countries involved in those declarations.

“(I) A description of—

“(i) the methods used by the Committee to monitor non-notified and non-declared transactions under subsection (b)(1)(H);

“(ii) potential methods to improve such monitoring and the resources required to do so; and

“(iii) the number of transactions identified through the mechanism established under that subsection during the reporting period and the number of such transactions flagged for further review.”;

(2) in paragraph (3)—

(A) by striking “CRITICAL TECHNOLOGIES” and all that follows through “In order to assist”
and inserting “CRITICAL TECHNOLOGIES.—In order to assist”;

(B) by striking subparagraph (B); and

(C) by redesignating clauses (i) and (ii) as subparagraphs (A) and (B), respectively, and by moving such subparagraphs, as so redesignated,

2 ems to the left; and

(3) by adding at the end the following:

“(4) FORM OF REPORT.—

“(A) IN GENERAL.—All appropriate portions of the annual report under paragraph (1) may be classified. An unclassified version of the report, as appropriate, consistent with safeguarding national security and privacy, shall be made available to the public.

“(B) INCLUSIONS IN UNCLASSIFIED VERSION.—The unclassified version of the report required under paragraph (1) shall include, with respect to covered transactions for the reporting period—

“(i) the number of notices submitted under subsection (b)(1)(C)(i);

“(ii) the number of declarations submitted under subsection (b)(1)(C)(v) and the number of such declarations that were
required under subclause (IV) of that subsection;

“(iii) the number of declarations submitted under subsection (b)(1)(C)(v) for which the Committee required resubmission as notices under subsection (b)(1)(C)(i);

“(iv) the average number of days that elapsed between submission of a declaration under subsection (b)(1)(C)(v) and the acceptance of the declaration by the Committee;

“(v) information on the time it took the Committee to provide comments on, or to accept, notices submitted under subsection (b)(1)(C)(i), including—

“(I) the average number of business days that elapsed between the date of submission of a draft notice and the date on which the Committee provided written comments on the draft notice;

“(II) the average number of business days that elapsed between the date of submission of a final notice and the date on which the Committee accepted
or provided written comments on the final notice; and

“(III) if the average number of business days for a response by the Committee reported under subclause (I) or (II) exceeded 10 business days—

“(aa) an explanation of the causes of such delays, including whether such delays are caused by resource shortages, unusual fluctuations in the volume of notices, transaction characteristics, or other factors; and

“(bb) an explanation of the steps that the Committee anticipates taking to mitigate the causes of such delays and otherwise to improve the ability of the Committee to provide comments on, or to accept, notices within 10 business days;

“(vi) the number of reviews or investigations conducted under subsection (b);
“(vii) the number of investigations that were subject to an extension under subsection (b)(2)(C)(ii);

“(viii) information on the duration of those reviews and investigations, including the average number of days required to complete those reviews and investigations;

“(ix) the number of notices submitted under subsection (b)(1)(C)(i) and declarations submitted under subsection (b)(1)(C)(v) that were rejected by the Committee;

“(x) the number of such notices and declarations that were withdrawn by a party to the covered transaction;

“(xi) the number of such withdrawals that were followed by the submission of a subsequent such notice or declaration relating to a substantially similar covered transaction; and

“(xii) such other specific, cumulative, or trend information that the Committee determines is advisable to provide for an assessment of the time required for reviews
and investigations of covered transactions under this section.”.

(b) REPORT ON CHINESE INVESTMENT.—

(1) IN GENERAL.—Not later than 2 years after the date of the enactment of this Act, and every 2 years thereafter through 2026, the Secretary of Commerce shall submit to Congress and the Committee on Foreign Investment in the United States a report on foreign direct investment transactions made by entities of the People’s Republic of China in the United States.

(2) ELEMENTS.—Each report required by paragraph (1) shall include the following:

(A) Total foreign direct investment from the People’s Republic of China in the United States, including total foreign direct investment disaggregated by ultimate beneficial owner.

(B) A breakdown of investments from the People’s Republic of China in the United States by value using the following categories:

(i) Less than $50,000,000.

(ii) Greater than or equal to $50,000,000 and less than $100,000,000.

(iii) Greater than or equal to $100,000,000 and less than $1,000,000,000.
(iv) Greater than or equal to $1,000,000,000 and less than $2,000,000,000.

(v) Greater than or equal to $2,000,000,000 and less than $5,000,000,000.

(vi) Greater than or equal to $5,000,000,000.

(C) A breakdown of investments from the People’s Republic of China in the United States by 2-digit North American Industry Classification System code.

(D) A breakdown of investments from the People’s Republic of China in the United States by investment type, using the following categories:

(i) Businesses established.

(ii) Businesses acquired.

(E) A breakdown of investments from the People’s Republic of China in the United States by government and non-government investments, including volume, sector, and type of investment within each category.
(F) A list of companies incorporated in the United States purchased through government investment by the People’s Republic of China.

(G) The number of United States affiliates of entities under the jurisdiction of the People’s Republic of China, the total employees at those affiliates, and the valuation for any publicly traded United States affiliate of such an entity.

(H) An analysis of patterns in the investments described in subparagraphs (A) through (F), including in volume, type, and sector, and the extent to which those patterns of investments align with the objectives outlined by the Government of the People’s Republic of China in its Made in China 2025 plan, including a comparative analysis of investments from the People’s Republic of China in the United States and all foreign direct investment in the United States.

(I) An identification of any limitations on the ability of the Secretary of Commerce to collect comprehensive information that is reasonably and lawfully available about foreign investment in the United States from the People’s Republic of China on a timeline necessary to com-
complete reports every 2 years as required by paragraph (1), including—

(i) an identification of any discrepancies between government and private sector estimates of investments from the People’s Republic of China in the United States;

(ii) a description of the different methodologies or data collection methods, including by private sector entities, used to measure foreign investment that may result in different estimates; and

(iii) recommendations for enhancing the ability of the Secretary of Commerce to improve data collection of information about foreign investment in the United States from the People’s Republic of China.

(3) Extension of Deadline.—If, as a result of a limitation identified under paragraph (2)(I), the Secretary of Commerce determines that the Secretary will be unable to submit a report at the time required by paragraph (1), the Secretary may request additional time to complete the report.

(c) Report on Certain Investments by State-Owned or State-Controlled Entities.—
(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, an appropriate member or members of the Committee on Foreign Investment in the United States shall, in coordination with the chairperson of the Committee, submit to Congress a report assessing—

(A) national security threats related to investments in the United States by state-owned or state-controlled entities in the manufacture or assembly of rolling stock or other assets for use in freight rail, public transportation, or intercity passenger rail systems, including the construction of new facilities;

(B) how the number and types of such investments could affect any such threats; and

(C) the authority and ability of the Committee to respond to such threats.

(2) CONSULTATION.—The member or members of the Committee on Foreign Investment in the United States preparing the report required by paragraph (1) shall consult with the Secretary of Transportation and the head of any agency that is not represented on the Committee that has significant technical expertise related to the assessments required by paragraph (1).
SEC. 1719. CERTIFICATION OF NOTICES AND INFORMATION.

Section 721(n) of the Defense Production Act of 1950 (50 U.S.C. 4565(n)) is amended—

(1) by redesignating paragraphs (1) and (2) as subparagraphs (A) and (B), respectively, and by mov- 
ing such subparagraphs, as so redesignated, 2 ems to 
the right;

(2) by striking “Each notice” and inserting the 
following:

“(1) IN GENERAL.—Each notice”;

(3) by striking “paragraph (3)(B)” and insert- 
ing “paragraph (6)(B)”;

(4) by striking “paragraph (1)(A)” and insert- 
ing “paragraph (3)(A)”;

(5) by adding at the end the following:

“(2) EFFECT OF FAILURE TO SUBMIT.—The 
Committee may not complete a review under this sec-
tion of a covered transaction and may recommend to 
the President that the President suspend or prohibit 
the transaction or require divestment under sub-
section (d) if the Committee determines that a party 
to the transaction has—

“(A) failed to submit a statement required 
by paragraph (1); or

“(B) included false or misleading informa-
tion in a notice or information described in
paragraph (1) or omitted material information
from such notice or information.

“(3) APPLICABILITY OF LAW ON FRAUD AND
FALSE STATEMENTS.—The Committee shall prescribe
regulations expressly providing for the application of
section 1001 of title 18, United States Code, to all in-
formation provided to the Committee under this sec-
tion by any party to a covered transaction.”.

SEC. 1720. IMPLEMENTATION PLANS.

(a) IN GENERAL.—Not later than 180 days after the
date of the enactment of this Act, the chairperson of the
Committee on Foreign Investment in the United States and
the Secretary of Commerce shall, in consultation with the
appropriate members of the Committee—

(1) develop plans to implement this title; and

(2) submit to the appropriate congressional com-
mittees a report on the plans developed under para-
graph (1), which shall include a description of—

(A) the timeline and process to implement
the provisions of, and amendments made by, this
title;

(B) any additional staff necessary to imple-
ment the plans; and

(C) the resources required to effectively im-
plement the plans.
(b) Appropriate Congressional Committees Defined.—In this section, the term “appropriate congressional committees” means—

(1) the Committee on Banking, Housing, and Urban Affairs and the Committee on Appropriations of the Senate; and

(2) the Committee on Financial Services and the Committee on Appropriations of the House of Representatives.

SEC. 1721. ASSESSMENT OF NEED FOR ADDITIONAL RESOURCES FOR COMMITTEE.

The President shall—

(1) determine whether and to what extent the expansion of the responsibilities of the Committee on Foreign Investment in the United States pursuant to the amendments made by this title necessitates additional resources for the Committee and the departments and agencies represented on the Committee to perform their functions under section 721 of the Defense Production Act of 1950, as amended by this title; and

(2) if the President determines that additional resources are necessary, include in the budget of the President for fiscal year 2019 and each fiscal year thereafter submitted to Congress under section
1105(a) of title 31, United States Code, a request for such additional resources.

SEC. 1722. FUNDING.

Section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565) is amended by adding at the end the following:

“(o) FUNDING.—

“(1) ESTABLISHMENT OF FUND.—There is established in the Treasury of the United States a fund, to be known as the ‘Committee on Foreign Investment in the United States Fund’ (in this subsection referred to as the ‘Fund’), to be administered by the chairperson.

“(2) APPROPRIATION OF FUNDS FOR THE COMMITTEE.—There are authorized to be appropriated to the Fund such sums as may be necessary to perform the functions of the Committee.

“(3) FILING FEES.—

“(A) IN GENERAL.—The Committee may assess and collect a fee in an amount determined by the Committee in regulations, to the extent provided in advance in appropriations Acts, without regard to section 9701 of title 31, United States Code, and subject to subparagraph (B), with respect to each covered transaction for which a written notice is submitted to the Com-
mittee under subsection (b)(1)(C)(i). The total amount of fees collected under this paragraph may not exceed the costs of administering this section.

“(B) DETERMINATION OF AMOUNT OF FEE.—

“(i) IN GENERAL.—In determining the amount of the fee to be assessed under subparagraph (A) with respect to a covered transaction, the Committee shall base the amount of the fee on the value of the transaction, taking into consideration—

“(I) the effect of the fee on small business concerns (as defined in section 3 of the Small Business Act (15 U.S.C. 632));

“(II) the expenses of the Committee associated with conducting activities under this section;

“(III) the effect of the fee on foreign investment; and

“(IV) such other matters as the Committee considers appropriate.

“(ii) PRIORITIZATION FEE.—The Committee may establish a fee or fee scale to
898

prioritize the timing of the response of the Committee to a draft or final written notice during the period before the Committee accepts the final written notice under subsection (b)(1)(C)(i), in the event that the Committee is unable to respond during the time required by subclause (II) of that subsection because of an unusually large influx of notices, or for other reasons.

“(iii) UPDATES.—The Committee shall periodically reconsider and adjust the amount of the fee to be assessed under subparagraph (A) with respect to a covered transaction to ensure that the amount of the fee does not exceed the costs of administering this section and otherwise remains appropriate.

“(C) DEPOSIT AND AVAILABILITY OF FEES.—Notwithstanding section 3302 of title 31, United States Code, fees collected under subparagraph (A) shall—

“(i) be deposited into the Fund solely for use in carrying out activities under this section;
“(ii) to the extent and in the amounts provided in advance in appropriations Acts, be available to the chairperson;

“(iii) remain available until expended;

and

“(iv) be in addition to any appropriations made available to the members of the Committee.

“(4) Transfer of Funds.—To the extent provided in advance in appropriations Acts, the chairperson may transfer any amounts in the Fund to any other department or agency represented on the Committee for the purpose of addressing emerging needs in carrying out activities under this section. Amounts so transferred shall be in addition to any other amounts available to that department or agency for that purpose.”.

SEC. 1723. CENTRALIZATION OF CERTAIN COMMITTEE FUNCTIONS.

Section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565), as amended by section 1722, is further amended by adding at the end the following:

“(p) Centralization of Certain Committee Functions.—
“(1) IN GENERAL.—The chairperson, in consultation with the Committee, may centralize certain functions of the Committee within the Department of the Treasury for the purpose of enhancing interagency coordination and collaboration in carrying out the functions of the Committee under this section.

“(2) FUNCTIONS.—Functions that may be centralized under paragraph (1) include monitoring non-notified and non-declared transactions pursuant to subsection (b)(1)(H), and other functions as determined by the chairperson and the Committee.

“(3) RULE OF CONSTRUCTION.—Nothing in this section shall be construed as limiting the authority of any department or agency represented on the Committee to represent its own interests before the Committee.”.

SEC. 1724. CONFORMING AMENDMENTS.

Section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565), as amended by this title, is further amended—

(1) in subsection (b)—

(A) in paragraph (1)(D)(iii)(I), by striking “subsection (l)(1)(A)” and inserting “subsection (l)(3)(A)”;}
(B) in paragraph (2)(B)(i)(I), by striking “that threat” and inserting “the risk”;

(2) in subsection (d)(4)(A), by striking “the foreign interest exercising control” and inserting “a foreign person that would acquire an interest in a United States business or its assets as a result of the covered transaction”; and

(3) in subsection (j), by striking “merger, acquisition, or takeover” and inserting “transaction”.

SEC. 1725. REQUIREMENTS TO IDENTIFY AND CONTROL THE EXPORT OF EMERGING AND FOUNDATIONAL TECHNOLOGIES.

(a) Identification of Technologies.—

(1) In general.—The President shall establish and, in coordination with the Secretary of Commerce, the Secretary of Defense, the Secretary of Energy, the Secretary of State, and the heads of other Federal agencies as appropriate, lead, a regular, ongoing interagency process to identify emerging and foundational technologies that—

(A) are essential to the national security of the United States; and

(B) are not critical technologies described in clauses (i) through (v) of section 721(a)(8)(B) of
the Defense Production Act of 1950, as amended by section 1703.

(2) PROCESS.—The interagency process established under subsection (a) shall—

(A) be informed by multiple sources of information, including—

(i) publicly available information;

(ii) classified information, including relevant information provided by the Director of National Intelligence;

(iii) information relating to reviews and investigations of transactions by the Committee on Foreign Investment in the United States under section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565); and

(iv) information provided by the advisory committees established by the Secretary of Commerce to advise the Under Secretary of Commerce for Industry and Security on controls under the Export Administration Regulations, including the Emerging Technology and Research Advisory Committee;

(B) take into account—
(i) the development of emerging and foundational technologies in foreign countries;

(ii) the effect export controls imposed pursuant to this section may have on the development of such technologies in the United States; and

(iii) the effectiveness of export controls imposed pursuant to this section on limiting the proliferation of emerging and foundational technologies to foreign countries; and

(C) include a notice and comment period.

(b) COMMERCE CONTROLS.—

(1) IN GENERAL.—The Secretary of Commerce shall establish appropriate controls under the Export Administration Regulations on the export, reexport, or in-country transfer of technology identified pursuant to subsection (a), including by prescribing additional regulations.

(2) LEVELS OF CONTROL.—

(A) IN GENERAL.—The Secretary of Commerce may, in coordination with the Secretary of Defense, the Secretary of State, and the heads of other Federal agencies, as appropriate, specify
the level of control to apply under paragraph (1) with respect to the export of technology described in that paragraph, including a requirement for a license or other authorization for the export, reexport, or in-country transfer of that technology.

(B) CONSIDERATIONS.—In determining under subparagraph (A) the level of control appropriate for technology described in paragraph (1), the Secretary of Commerce shall take into account—

(i) lists of countries to which exports from the United States are restricted; and

(ii) the potential end uses and end users of the technology.

(C) MINIMUM REQUIREMENTS.—At a minimum, except as provided by paragraph (4), the Secretary of Commerce shall require a license for the export, reexport, or in-country transfer of technology described in paragraph (1) to or in a country subject to an embargo, including an arms embargo, imposed by the United States.

(3) REVIEW OF LICENSE APPLICATIONS.—

(A) PROCEDURES.—The procedures set forth in Executive Order 12981 (50 U.S.C. 4603 note;
relating to administration of export controls) or
a successor order shall apply to the review of an
application for a license or other authorization
for the export, reexport, or in-country transfer of
technology described in paragraph (1).

(B) Consideration of Information Relating to National Security.—In reviewing
an application for a license or other authorization
for the export, reexport, or in-country transfer of technology described in paragraph (1), the
Secretary of Commerce shall take into account
information provided by the Director of National
Intelligence regarding any threat to the national
security of the United States posed by the pro-
posed export, reexport, or transfer. The Director
of National Intelligence shall provide such infor-
mation on the request of the Secretary of Com-
merce.

(C) Disclosures Relating to Collaborative Arrangements.—In the case of an ap-
plication for a license or other authorization for
the export, reexport, or in-country transfer of
technology described in paragraph (1) submitted
by or on behalf of a joint venture, joint develop-
ment agreement, or similar collaborative ar-
rangement, the Secretary of Commerce may re-
quire the applicant to identify, in addition to
y any foreign person participating in the arrange-
ment, any foreign person with significant owner-
ship interest in a foreign person participating in
the arrangement.

(4) Exceptions.—

(A) Mandatory exceptions.—The Sec-
retary of Commerce may not control under this
subsection the export of any technology—

(i) described in section 203(b) of the
International Emergency Economic Powers
Act (50 U.S.C. 1702(b)); or

(ii) if the regulation of the export of
that technology is prohibited under any
other provision of law.

(B) Regulatory exceptions.—In pre-
scribing regulations under paragraph (1), the
Secretary of Commerce may include regulatory
exceptions to the requirements of that paragraph.

(C) Additional exceptions.—The Sec-
retary of Commerce shall not be required to im-
pose under paragraph (1) a requirement for a li-
cense or other authorization with respect to the
export, reexport, or in-country transfer of tech-
nology described in paragraph (1) pursuant to any of the following transactions:

(i) The sale or license of a finished item and the provision of associated technology if the United States person that is a party to the transaction generally makes the finished item and associated technology available to its customers, distributors, or resellers.

(ii) The sale or license to a customer of a product and the provision of integration services or similar services if the United States person that is a party to the transaction generally makes such services available to its customers.

(iii) The transfer of equipment and the provision of associated technology to operate the equipment if the transfer could not result in the foreign person using the equipment to produce critical technologies (as defined in section 721(a) of the Defense Production Act of 1950, as amended by section 1703).

(iv) The procurement by the United States person that is a party to the trans-
action of goods or services, including manufacturing services, from a foreign person that is a party to the transaction, if the foreign person has no rights to exploit any technology contributed by the United States person other than to supply the procured goods or services.

(v) Any contribution and associated support by a United States person that is a party to the transaction to an industry organization related to a standard or specification, whether in development or declared, including any license of or commitment to license intellectual property in compliance with the rules of any standards organization (as defined by the Secretary by regulation).

(c) MULTILATERAL CONTROLS.—

(1) In general.—The Secretary of State, in consultation with the Secretary of Commerce and the Secretary of Defense, and the heads of other Federal agencies, as appropriate, may propose that any technology identified pursuant to subsection (a) be added to the list of technologies controlled by the relevant multilateral export control regimes.
(2) ITEMS ON COMMERCE CONTROL LIST OR UNITED STATES MUNITIONS LIST.—

(A) IN GENERAL.—If the Secretary of State proposes to a multilateral export control regime under paragraph (1) to add a technology identified pursuant to subsection (a) to the control list of that regime and that regime does not add that technology to the control list during the 3-year period beginning on the date of the proposal, the applicable agency head may determine whether national security concerns warrant the continuation of unilateral export controls with respect to that technology.

(B) APPLICABLE AGENCY HEAD DEFINED.—
In this paragraph, the term “applicable agency head” means—

(i) in the case of technology listed on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations, the Secretary of Commerce, in consultation with the Secretary of Defense and the Secretary of State; and

(ii) in the case of technology listed on the United States Munitions List set forth
in part 121 of title 22, Code of Federal Regulations, the Secretary of State, in consultation with the Secretary of Defense and the heads of other Federal agencies, as appropriate.

(d) REPORT TO COMMITTEE ON FOREIGN INVESTMENT IN THE UNITED STATES.—Not less frequently than every 180 days, the Secretary of Commerce, in coordination with the Secretary of Defense, the Secretary of State, and the heads of other Federal agencies, as appropriate, shall submit to the Committee on Foreign Investment in the United States a report on the results of actions taken pursuant to this section.

(e) REPORT TO CONGRESS.—Not less frequently than every 180 days, the Secretary of Commerce, in coordination with the Secretary of Defense, the Secretary of State, and the heads of other Federal agencies, as appropriate, shall submit a report on the results of actions taken pursuant to this section, including actions taken pursuant to subsections (a), (b), and (c), to—

(1) the Committee on Banking, Housing, and Urban Affairs, the Committee on Foreign Relations, the Committee on Armed Services, and the Select Committee on Intelligence of the Senate; and
(2) the Committee on Financial Services, the Committee on Foreign Affairs, the Committee on Armed Services, and the Permanent Select Committee on Intelligence of the House of Representatives.

(f) MODIFICATIONS TO EMERGING TECHNOLOGY AND RESEARCH ADVISORY COMMITTEE.—

(1) IN GENERAL.—The Secretary of Commerce shall revise the objectives of the Emerging Technology and Research Advisory Committee, established by the Secretary under the Export Administration Regulations, to include advising the interagency processes established under subsection (a) with respect to emerging and foundational technologies.

(2) DUTIES.—The Secretary—

(A) shall revise the duties of the Emerging Technology and Research Advisory Committee to include identifying emerging and foundational technologies that may be developed over a period of 5 years or 10 years; and

(B) may revise the duties of the Advisory Committee to include identifying trends in—

(i) the ownership by foreign persons and foreign governments of such technologies;
(ii) the types of transactions related to such technologies engaged in by foreign persons and foreign governments;  
(iii) the blending of private and government investment in such technologies; and  
(iv) efforts to obfuscate ownership of such technologies or to otherwise circumvent the controls established under this section.

(3) MEETINGS.—

(A) FREQUENCY.—The Emerging Technology and Research Advisory Committee should meet not less frequently than every 120 days.

(B) ATTENDANCE.—A representative from each agency participating in the interagency process established under subsection (a) should be in attendance at each meeting of the Emerging Technology and Research Advisory Committee.

(4) CLASSIFIED INFORMATION.—Not fewer than half of the members of the Emerging Technology and Research Advisory Committee should hold sufficient security clearances such that classified information, including classified information described in clauses (ii) and (iii) of subsection (a)(2)(A), from the interagency process established under subsection (a) can be
shared with those members to inform the advice provided by the Advisory Committee.

(5) **Applicability of Federal Advisory Committee Act.**—Subsections (a)(1), (a)(3), and (b) of section 10 and sections 11, 13, and 14 of the Federal Advisory Committee Act (5 U.S.C. App.) shall not apply to the Emerging Technology and Research Advisory Committee.

(6) **Report.**—The Emerging Technology and Research Advisory Committee shall include the findings of the Advisory Committee under this subsection in the annual report to Congress required by section 14 of the Export Administration Act of 1979 (50 U.S.C. 4616) (as continued in effect pursuant to the International Emergency Economic Powers Act (50 U.S.C. 1701 et seq.)).

(g) **Rule of Construction.**—Nothing in this section shall be construed to alter or limit—

(1) the authority of the President or the Secretary of State to designate items as defense articles and defense services for the purposes of the Arms Export Control Act (22 U.S.C. 2751 et seq.) or to otherwise regulate such items; or

(2) the authority of the President under the Atomic Energy Act of 1954 (42 U.S.C. 2011 et seq.),

(h) DEFINITIONS.—In this section:


(2) IN-COUNTRY TRANSFER.—The term “in-country transfer” has the meaning given to the term in the Export Administration Regulations.

(3) REEXPORT.—The term “reexport” has the meaning given to the term in the Export Administration Regulations.

(4) UNITED STATES PERSON.—The term “United States person” means any person subject to the jurisdiction of the United States.

SEC. 1726. EXPORT CONTROL ENFORCEMENT AUTHORITY.

(a) AUTHORITIES.—In order to enforce the provisions of the Export Administration Regulations under subchapter
C of chapter VII of title 15, Code of Federal Regulations, issued under the authority of the International Emergency Economic Powers Act (50 U.S.C. 1701 et seq.) (pursuant to which the President has continued in effect authorities granted under the Export Administration Act of 1979 (50 U.S.C. 4601 et seq.)), the President shall delegate to the Secretary of Commerce, in addition to existing authorities, the authority to authorize any law enforcement officer of the Department of Commerce to conduct investigations (including undercover investigations) in the United States and in other countries when permitted under such countries' laws using all applicable laws of the United States.

(b) Best Practice Guidelines.—The Secretary of Commerce, in consultation with the heads of appropriate Federal agencies, may publish and update best practices guidelines to assist persons in developing and implementing, on a voluntary basis, effective export control programs in compliance with the Export Administration Regulations.

(c) Confidentiality of Information.—

(1) Exemptions from Disclosure.—

(A) In general.—Information obtained under the Export Administration Act of 1979 (50 U.S.C. 2601 et seq.) (as continued in effect pursuant to the International Emergency Eco-
nomic Powers Act (50 U.S.C. 1701 et seq.) may be withheld from disclosure only to the extent permitted by statute, except that information described in subparagraph (B) shall be withheld from public disclosure and shall not be subject to disclosure under section 552(b)(3) of title 5, United States Code, unless the release of such information is determined by the Secretary to be in the national interest.

(B) INFORMATION DESCRIBED.—Information described in this subparagraph is information submitted or obtained in connection with an application for a license or other authorization to export, reexport, or transfer items or engage in other activities, a recordkeeping or reporting requirement, enforcement activity, or other operations under the Export Administration Act of 1979, including—

(i) the license application, license, or other authorization itself;

(ii) classification or advisory opinion requests, and any response to such a request;

(iii) license determinations and information pertaining to such determinations;
(iv) information or evidence obtained in the course of any investigation; and

(v) information obtained or furnished in connection with any international agreement, treaty, or other obligation.

(2) INFORMATION TO CONGRESS AND GAO.—

(A) IN GENERAL.—Nothing in this section shall be construed as authorizing the withholding of information from Congress or the Comptroller General of the United States.

(B) AVAILABILITY TO CONGRESS.—

(i) IN GENERAL.—Information obtained at any time under any provision of the Export Administration Act of 1979 or the Export Administration Regulations, including reports or license applications required under any such provision, shall be made available to a committee or subcommittee of Congress of appropriate jurisdiction, upon the request of the chairman or ranking member of the committee or subcommittee.

(ii) PROHIBITION ON FURTHER DISCLOSURE.—No committee or subcommittee referred to in clause (i), or member thereof,
may disclose any information made available under clause (i) that is submitted on a confidential basis unless the full committee determines that the withholding of that information is contrary to the national interest.

(C) AVAILABILITY TO GAO.—

(i) IN GENERAL.—Information described in subparagraph (B)(i) shall be subject to the limitations contained in section 716 of title 31, United States Code.

(ii) PROHIBITION ON FURTHER DISCLOSURE.—An officer or employee of the Government Accountability Office may not disclose, except to Congress in accordance with this paragraph, any information described in subparagraph (B)(i) that is submitted on a confidential basis or from which any individual can be identified.

(3) INFORMATION SHARING.—

(A) EXCHANGE OF INFORMATION.—The heads of departments, agencies, and offices with enforcement authorities under the Export Administration Act of 1979, consistent with protection of law enforcement and its sources and
methods, shall exchange any licensing and enforce-
ment information with one another that is
necessary to facilitate enforcement efforts under
this section, and shall consult on a regular basis
with one another and with the heads of other de-
partments, agencies, and offices that obtain in-
formation subject to this paragraph, in order to
facilitate the exchange of such information.

(B) Provision of Information by Fed-
eral Officials.—Any Federal official who ob-
tains information that is relevant to the enforce-
ment of the Export Administration Act of 1979,
including information pertaining to any inves-
tigation, shall furnish such information to each
appropriate department, agency, or office with
enforcement responsibilities under this section to
the extent consistent with the protection of intel-
ligence, counterintelligence, and law enforcement
sources, methods, and activities.

(C) Exceptions.—The provisions of this
paragraph shall not apply to information subject
to the restrictions set forth in section 9 of title
13, United States Code. Return information, as
defined in section 6103(b) of the Internal Rev-
(D) INFORMATION SHARING WITH FEDERAL AGENCIES.—Licensing or enforcement information obtained under the Export Administration Act of 1979 may be shared with heads of departments, agencies, and offices that do not have enforcement authorities under that Act on a case-by-case basis, at the discretion of the Secretary of Commerce. Such information may be shared only when the Secretary makes a determination that the sharing of the information is in the national interest.

SEC. 1727. PROHIBITION ON MODIFICATION OF CIVIL PENALTIES UNDER EXPORT CONTROL AND SANCTIONS LAWS.

(a) IN GENERAL.—Notwithstanding any other provision of law, the Executive Office of the President may not modify any civil penalty, including a denial order, implemented by the Government of the United States with respect to a Chinese telecommunications company pursuant to a determination that the company has violated an export control or sanctions law of the United States until the date that is 30 days after the President certifies to the appropriate congressional committees that the company—
(1) has not, for a period of one year, conducted
activities in violation of the laws of the United States;
and

(2) is fully cooperating with investigations into
the activities of the company conducted by the Gov-
ernment of the United States, if any.

(b) APPROPRIATE CONGRESSIONAL COMMITTEES DE-
FINED.—In this section, the term “appropriate congres-
sional committees” means—

(1) the Committee on Banking, Housing, and
Urban Affairs and the Committee on Foreign Rela-
tions of the Senate; and

(2) the Committee on Financial Services and the
Committee on Foreign Affairs of the House of Rep-
resentatives.

SEC. 1728. UNDER SECRETARY OF COMMERCE FOR INDUS-
TRY AND SECURITY.

(a) In General.—On and after the date of the enact-
ment of this Act, any reference in the Export Administra-
tion Act of 1979 (50 U.S.C. 4601 et seq.) or any other law
or regulation to the Under Secretary of Commerce for Ex-
port Administration shall be deemed to be a reference to
the Under Secretary of Commerce for Industry and Secu-
ry.
(b) TITLE 5.—Section 5314 of title 5, United States Code, is amended by striking “Under Secretary of Commerce for Export Administration” and inserting “Under Secretary of Commerce for Industry and Security”.

(c) CONTINUATION IN OFFICE.—The individual serving as Under Secretary of Commerce for Export Administration on the day before the date of the enactment of this Act may serve as the Under Secretary of Commerce for Industry and Security on and after that date without the need for renomination or reappointment.

SEC. 1729. LIMITATION ON CANCELLATION OF DESIGNATION OF SECRETARY OF THE AIR FORCE AS DEPARTMENT OF DEFENSE EXECUTIVE AGENT FOR A CERTAIN DEFENSE PRODUCTION ACT PROGRAM.

(a) LIMITATION ON CANCELLATION OF DESIGNATION.—The Secretary of Defense may not implement the decision, issued on July 1, 2017, to cancel the designation, under Department of Defense Directive 4400.01E, entitled “Defense Production Act Programs” and dated October 12, 2001, of the Secretary of the Air Force as the Department of Defense Executive Agent for the program carried out under title III of the Defense Production Act of 1950 (50 U.S.C. 4531 et seq.) until the date specified in subsection (c).
(b) DESIGNATION.—The Secretary of the Air Force shall continue to serve as the sole and exclusive Department of Defense Executive Agent for the program described in subsection (a) until the date specified in subsection (c).

(c) DATE SPECIFIED.—The date specified in this subsection is the date of the enactment of a joint resolution or an Act approving the implementation of the decision described in subsection (a).

SEC. 1730. REVIEW OF AND REPORT ON CERTAIN DEFENSE TECHNOLOGIES CRITICAL TO THE UNITED STATES MAINTAINING SUPERIOR MILITARY CAPABILITIES.

(a) REVIEW REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense and the Director of National Intelligence, in consultation with the Air Force Research Laboratory, the Defense Advanced Projects Research Agency, and such other appropriate research entities as the Secretary and the Director may identify, shall—

(1) jointly carry out and complete a review of key national security technology capability advantages, competitions, and gaps between the United States and “near peer” nations;

(2) develop a definition of “near peer nation” for purposes of paragraph (1); and
(3) submit to the appropriate congressional committees a report on the findings of the Secretary and the Director with respect to the review conducted under paragraph (1).

(b) ELEMENTS.—The review conducted under paragraph (1) of subsection (a), and the report required by paragraph (3) of that subsection, shall identify, at a minimum, the following:

(1) Key United States industries and research and development activities expected to be critical to maintaining a national security technology capability if, during the 5-year period beginning on the date of the enactment of this Act, the Secretary and the Director anticipate that—

(A) a United States industrial base shortfall will exist; and

(B) United States industry will be unable to or otherwise will not provide the needed capacity in a timely manner without financial assistance from the United States Government through existing statutory authorities specifically intended for that purpose, including assistance provided under title III of the Defense Production Act of 1950 (50 U.S.C. 4531 et seq.) and other appropriate authorities.
(2) Key areas in which the United States currently enjoys a technological advantage.

(3) Key areas in which the United States no longer enjoys a technological advantage.

(4) Sectors of the defense industrial base in which the United States lacks adequate productive capacity to meet critical national defense needs.

(5) Priority areas for which appropriate statutory industrial base incentives should be applied as the most cost-effective, expedient, and practical alternative for meeting the technology or defense industrial base needs identified under this subsection, including—

(A) sustainment of critical production and supply chain capabilities;

(B) commercialization of research and development investments;

(C) scaling of emerging technologies; and

(D) other areas as determined by the Secretary and the Director.

(6) Priority funding recommendations with respect to key areas that the Secretary, in consultation with the Director, determines are—

(A) critical to the United States maintaining superior military capabilities, especially
with respect to potential peer and near peer military or economic competitors, during the 5-year period beginning on the date of the enactment of this Act; and

(B) suitable for long-term investment from funds made available under title III of the Defense Production Act of 1950 and other appropriate statutory authorities.

(c) FORM OF REPORT.—The report required by subsection (a)(3) shall be submitted in unclassified form, but may include a classified annex.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the Committee on Banking, Housing and Urban Affairs, the Committee on Armed Services, and the Select Committee on Intelligence of the Senate; and

(2) the Committee on Financial Services, the Committee on Armed Services, and the Permanent Select Committee on Intelligence of the House of Representatives.
SEC. 1731. BRIEFING ON INFORMATION FROM TRANSACTIONS REVIEWED BY COMMITTEE ON FOREIGN INVESTMENT IN THE UNITED STATES RELATING TO FOREIGN EFFORTS TO INFLUENCE DEMOCRATIC INSTITUTIONS AND PROCESSES.

Not later than 60 days after the date of the enactment of this Act, the Secretary of the Treasury (or a designee of the Secretary) shall provide a briefing to the Committee on Banking, Housing, and Urban Affairs of the Senate and the Committee on Financial Services of the House of Representatives on—

(1) transactions reviewed by the Committee on Foreign Investment in the United States during the 5-year period preceding the briefing that the Committee determined would have allowed foreign persons to inappropriately influence democratic institutions and processes within the United States and in other countries; and

(2) the disposition of such reviews, including any steps taken by the Committee to address the risk of allowing foreign persons to influence such institutions and processes.

SEC. 1732. EFFECTIVE DATE.

(a) IMMEDIATE APPLICABILITY OF CERTAIN PROVISIONS.—The following shall take effect on the date of the
enactment of this Act and apply with respect to any covered transaction the review or investigation of which is initiated under section 721 of the Defense Production Act of 1950 on or after such date of enactment:

(1) Sections 1705, 1707, 1709, 1710, 1713, 1714, 1715, 1716, 1717, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, and 1729 and the amendments made by those sections.

(2) Section 1712 and the amendments made by that section (except for clause (iii) of section 721(b)(4)(A) of the Defense Production Act of 1950, as added by section 1712).

(3) Paragraphs (1), (2), (3), (4), (5)(A)(i), (5)(B)(i), (5)(B)(iv)(I), (5)(B)(v), (5)(C)(v), (6), (7), (8), (9), (10), (11), (12), (13), (14), (15), (16), and (17) of subsection (a) of section 721 of the Defense Production Act of 1950, as amended by section 1703.

(4) Section 721(m)(4) of the Defense Production Act of 1950, as amended by section 1718 (except for clauses (ii), (iii), (iv), and (v) of subparagraph (B) of that section).

(b) DELAYED APPLICABILITY OF CERTAIN PROVISIONS.—
(1) In general.—Any provision of or amendment made by this title not specified in subsection (a) shall—

(A) take effect on the date that is 30 days after publication in the Federal Register of a determination by the chairperson of the Committee on Foreign Investment in the United States that the regulations, organizational structure, personnel, and other resources necessary to administer the new provisions are in place; and

(B) apply with respect to any covered transaction the review or investigation of which is initiated under section 721 of the Defense Production Act of 1950 on or after the date described in subparagraph (A).

(2) Nondelegation of determination.—The determination of the chairperson of the Committee on Foreign Investment in the United States under paragraph (1)(A) may not be delegated.

(c) Authorization for Pilot Programs.—

(1) In general.—Beginning on the date of the enactment of this Act and ending on the date described in subsection (b)(1)(A), the Committee on Foreign Investment in the United States may, at its discretion, conduct one or more pilot programs to imple-
ment any authority provided pursuant to any provision of or amendment made by this title not specified in subsection (a).

(2) Publication in Federal Register.—A pilot program may not commence until the date that is 30 days after publication in the Federal Register of a determination by the chairperson of the Committee of the scope of and procedures for the pilot program. That determination may not be delegated.

SEC. 1733. SEVERABILITY.

If any provision of this title or an amendment made by this title, or the application of such a provision or amendment to any person or circumstance, is held to be invalid, the application of that provision or amendment to other persons or circumstances and the remainder of the provisions of this title and the amendments made by this title, shall not be affected thereby.

DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

SEC. 2001. SHORT TITLE.

This division may be cited as the “Military Construction Authorization Act for Fiscal Year 2019”.
SEC. 2002. EXPIRATION OF AUTHORIZATIONS AND AMOUNTS REQUIRED TO BE SPECIFIED BY LAW.

(a) Expiration of Authorizations After Three Years.—Except as provided in subsection (b), all authorizations contained in titles XXI through XXVII and title XXIX for military construction projects, land acquisition, family housing projects and facilities, and contributions to the North Atlantic Treaty Organization Security Investment Program (and authorizations of appropriations therefor) shall expire on the later of—

(1) October 1, 2023; or

(2) the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024.

(b) Exception.—Subsection (a) shall not apply to authorizations for military construction projects, land acquisition, family housing projects and facilities, and contributions to the North Atlantic Treaty Organization Security Investment Program (and authorizations of appropriations therefor), for which appropriated funds have been obligated before the later of—

(1) October 1, 2023; or

(2) the date of the enactment of an Act authorizing funds for fiscal year 2024 for military construction projects, land acquisition, family housing
projects and facilities, or contributions to the North Atlantic Treaty Organization Security Investment Program.

**SEC. 2003. EFFECTIVE DATE.**

Titles XXI through XXVII and title XXIX shall take effect on the later of—

(1) October 1, 2018; or

(2) the date of the enactment of this Act.

**TITLE XXI—ARMY MILITARY CONSTRUCTION**

**SEC. 2101. AUTHORIZED ARMY CONSTRUCTION AND LAND ACQUISITION PROJECTS.**

(a) **INSIDE THE UNITED STATES.**—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Installation</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>Anniston Army Depot</td>
<td>$5,200,000</td>
</tr>
<tr>
<td>California</td>
<td>Fort Irwin</td>
<td>$29,000,000</td>
</tr>
<tr>
<td>Colorado</td>
<td>Fort Carson</td>
<td>$77,000,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Fort Gordon</td>
<td>$99,000,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Wheeler Army Airfield</td>
<td>$50,000,000</td>
</tr>
<tr>
<td>Indiana</td>
<td>Crater Army Ammunition Activity</td>
<td>$16,000,000</td>
</tr>
<tr>
<td>Kentucky</td>
<td>Fort Campbell</td>
<td>$50,000,000</td>
</tr>
<tr>
<td></td>
<td>Fort Knox</td>
<td>$26,000,000</td>
</tr>
<tr>
<td>New Jersey</td>
<td>Picatinny Arsenal</td>
<td>$41,000,000</td>
</tr>
<tr>
<td>New Mexico</td>
<td>White Sands Missile Range</td>
<td>$40,000,000</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
Army: Inside the United States—Continued

<table>
<thead>
<tr>
<th>State</th>
<th>Installation</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York</td>
<td>West Point Military Reservation</td>
<td>$160,000,000</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Fort Bragg</td>
<td>$10,000,000</td>
</tr>
<tr>
<td>South Carolina</td>
<td>Fort Jackson</td>
<td>$52,000,000</td>
</tr>
<tr>
<td>Texas</td>
<td>Fort Bliss</td>
<td>$24,000,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Arlington National Cemetery Southern Ex-</td>
<td>$30,000,000</td>
</tr>
<tr>
<td></td>
<td>pansion</td>
<td></td>
</tr>
</tbody>
</table>

Outside the United States.—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the installations or locations outside the United States, and in the amounts, set forth in the following table:

Army: Outside the United States

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>East Camp Grafenwoehr</td>
<td>$31,000,000</td>
</tr>
<tr>
<td>Honduras</td>
<td>Soto Cano Air Base</td>
<td>$21,000,000</td>
</tr>
<tr>
<td>Korea</td>
<td>Camp Tango</td>
<td>$17,500,000</td>
</tr>
<tr>
<td>Kuwait</td>
<td>Camp Arifjan</td>
<td>$44,000,000</td>
</tr>
</tbody>
</table>

SEC. 2102. FAMILY HOUSING.

(a) Construction and Acquisition.—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Army may construct or acquire family housing units (including land acquisition and supporting facilities) at the installations or locations.
in the number of units, and in the amounts set forth in the following table:

**Army: Family Housing**

<table>
<thead>
<tr>
<th>State/Country</th>
<th>Installation or Location</th>
<th>Units</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Italy</td>
<td>Vicenza</td>
<td>Family Housing New Construction.</td>
<td>$95,134,000</td>
</tr>
<tr>
<td>Korea</td>
<td>Camp Walker</td>
<td>Family Housing Replacement Construction.</td>
<td>$68,000,000</td>
</tr>
<tr>
<td>Puerto Rico</td>
<td>Fort Buchanan</td>
<td>Family Housing Replacement Construction.</td>
<td>$26,000,000</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>Fort McCoy</td>
<td>Family Housing New Construction.</td>
<td>$6,200,000</td>
</tr>
</tbody>
</table>

(b) **PLANNING AND DESIGN.**—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Army may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed $18,326,000.

**SEC. 2103. AUTHORIZATION OF APPROPRIATIONS, ARMY.**

(a) **Authorization of Appropriations.**—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for military construction, land acquisition, and military family housing functions of the Department of the Army as specified in the funding table in section 4601.
(b) LIMITATION ON TOTAL COST OF CONSTRUCTION PROBLEMS.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2101 of this Act may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.

SEC. 2104. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2015 PROJECTS.

(a) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3669), the authorization set forth in the table in subsection (b), as provided in section 2101 of that Act (128 Stat. 3670), shall remain in effect until October 1, 2019, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2020, whichever is later.

(b) TABLE.—The table referred to in subsection (a) is as follows:

<table>
<thead>
<tr>
<th>State/Country</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>Military Ocean Terminal, Concord</td>
<td>Access Control Point</td>
<td>$9,900,000</td>
</tr>
<tr>
<td>Japan</td>
<td>Kadena Air Base</td>
<td>Missile Magazine</td>
<td>$10,600,000</td>
</tr>
</tbody>
</table>
SEC. 2105. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2016 PROJECT.

(a) Extension.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114–92; 129 Stat. 1145) the authorization set forth in the table in subsection (b), as provided in section 2101 of that Act (129 Stat. 1146), shall remain in effect until October 1, 2023, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

(b) Table.—The table referred to in subsection (a) is as follows:

<table>
<thead>
<tr>
<th>Army: Extension of 2016 Project Authorization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virginia ..................................</td>
</tr>
</tbody>
</table>

TITLE XXII—NAVY MILITARY CONSTRUCTION

SEC. 2201. AUTHORIZED NAVY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) Inside the United States.—Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Navy may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:
### Navy: Inside the United States

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arizona</td>
<td>Camp Navajo</td>
<td>$14,800,000</td>
</tr>
<tr>
<td>California</td>
<td>Camp Pendleton</td>
<td>$199,630,000</td>
</tr>
<tr>
<td></td>
<td>Coronado</td>
<td>$77,780,000</td>
</tr>
<tr>
<td></td>
<td>Lemoore</td>
<td>$112,690,000</td>
</tr>
<tr>
<td></td>
<td>Miramar</td>
<td>$31,980,000</td>
</tr>
<tr>
<td></td>
<td>Point Magu</td>
<td>$22,150,000</td>
</tr>
<tr>
<td></td>
<td>San Diego</td>
<td>$156,540,000</td>
</tr>
<tr>
<td></td>
<td>San Nicolas Island</td>
<td>$31,010,000</td>
</tr>
<tr>
<td></td>
<td>Seal Beach</td>
<td>$139,630,000</td>
</tr>
<tr>
<td>District of Columbia</td>
<td>Naval Observatory</td>
<td>$115,600,000</td>
</tr>
<tr>
<td>Florida</td>
<td>Mayport</td>
<td>$111,460,000</td>
</tr>
<tr>
<td></td>
<td>Naval Air Station Whiting Field</td>
<td>$10,000,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Marine Corps Logistics Base Albany</td>
<td>$31,900,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Joint Base Pearl Harbor-Hickam</td>
<td>$45,000,000</td>
</tr>
<tr>
<td></td>
<td>Kaneohe Bay</td>
<td>$66,100,000</td>
</tr>
<tr>
<td></td>
<td>Pearl City</td>
<td>$78,320,000</td>
</tr>
<tr>
<td>Maine</td>
<td>Kittery</td>
<td>$149,685,000</td>
</tr>
<tr>
<td>Mississippi</td>
<td>Naval Construction Battalion Center</td>
<td>$22,300,000</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Cherry Point Marine Corps Air Station</td>
<td>$240,830,000</td>
</tr>
<tr>
<td></td>
<td>Camp Lejeune</td>
<td>$51,300,000</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>Philadelphia</td>
<td>$71,050,000</td>
</tr>
<tr>
<td>South Carolina</td>
<td>Beaufort</td>
<td>$15,817,000</td>
</tr>
<tr>
<td>Utah</td>
<td>Hill Air Force Base</td>
<td>$105,520,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Portsmouth</td>
<td>$26,120,000</td>
</tr>
<tr>
<td>Washington</td>
<td>Quantico</td>
<td>$13,100,000</td>
</tr>
<tr>
<td></td>
<td>Ranger</td>
<td>$88,960,000</td>
</tr>
<tr>
<td></td>
<td>Whidbey Island</td>
<td>$27,380,000</td>
</tr>
</tbody>
</table>

(b) Outside the United States.—Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of the Navy may acquire real property and carry out military construction projects for the installations or locations outside the United States, and in the amounts, set forth in the following table:

### Navy: Outside the United States

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bahamas</td>
<td>Andros Island</td>
<td>$31,050,000</td>
</tr>
<tr>
<td>Bahrain Island</td>
<td>SW Asia</td>
<td>$26,340,000</td>
</tr>
<tr>
<td>Cuba</td>
<td>Guantanamo Bay</td>
<td>$85,000,000</td>
</tr>
<tr>
<td>Germany</td>
<td>Panzer Kaserne</td>
<td>$42,950,000</td>
</tr>
<tr>
<td>Guam</td>
<td>Joint Region Marianas</td>
<td>$279,657,000</td>
</tr>
</tbody>
</table>
Navy: Family Housing

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Units</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japan</td>
<td>Kadena Air Base</td>
<td></td>
<td>$9,049,000</td>
</tr>
</tbody>
</table>

SEC. 2202. FAMILY HOUSING.

(a) Construction and Acquisition.—Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may construct or acquire family housing units (including land acquisition and supporting facilities) at the installation or location, in the number of units, and in the amount set forth in the following table:

Navy: Family Housing

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Units</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guam</td>
<td>Joint Region Marianas</td>
<td>Replace Andersen</td>
<td>$83,441,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Housing PH II</td>
<td></td>
</tr>
</tbody>
</table>

(b) Planning and Design.—Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed $4,502,000.
Sec. 2203. Improvements to Military Family Housing Units.

Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may improve existing military family housing units in an amount not to exceed $16,638,000.


(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for military construction, land acquisition, and military family housing functions of the Department of the Navy, as specified in the funding table in section 4601.

(b) Limitation on Total Cost of Construction Projects.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2201 of this Act may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.
TITLE XXIII—AIR FORCE
MILITARY CONSTRUCTION

SEC. 2301. AUTHORIZED AIR FORCE CONSTRUCTION AND
LAND ACQUISITION PROJECTS.

(a) INSIDE THE UNITED STATES.—Using amounts ap-
propriated pursuant to the authorization of appropriations
in section 2304(a) and available for military construction
projects inside the United States as specified in the funding
table in section 4601, the Secretary of the Air Force may
acquire real property and carry out military construction
projects for the installations or locations inside the United
States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska</td>
<td>Eielson Air Force Base</td>
<td>$63,800,000</td>
</tr>
<tr>
<td>Arizona</td>
<td>Davis-Monthan Air Force Base</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>Florida</td>
<td>Eglin Air Force Base</td>
<td>$62,863,000</td>
</tr>
<tr>
<td>Nevada</td>
<td>Creech Air Force Base</td>
<td>$59,000,000</td>
</tr>
<tr>
<td>New Mexico</td>
<td>Holloman Air Force Base</td>
<td>$85,000,000</td>
</tr>
<tr>
<td>New York</td>
<td>Rome Lab</td>
<td>$14,200,000</td>
</tr>
<tr>
<td>North Dakota</td>
<td>Minot Air Force Base</td>
<td>$66,000,000</td>
</tr>
<tr>
<td>Ohio</td>
<td>Wright-Patterson Air Force Base</td>
<td>$116,100,000</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>Altus Air Force Base</td>
<td>$12,000,000</td>
</tr>
<tr>
<td>South Carolina</td>
<td>Shaw Air Force Base</td>
<td>$53,000,000</td>
</tr>
<tr>
<td>Utah</td>
<td>Hill Air Force Base</td>
<td>$26,000,000</td>
</tr>
<tr>
<td>Washington</td>
<td>White Bluff</td>
<td>$14,000,000</td>
</tr>
</tbody>
</table>

(b) OUTSIDE THE UNITED STATES.—Using amounts
appropriated pursuant to the authorization of appropri-
ations in section 2304(a) and available for military con-
struction projects outside the United States as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the installations or locations outside the United States, and in the amount, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guam</td>
<td>Joint Region Marianas</td>
<td>$9,800,000</td>
</tr>
<tr>
<td>Marianas-Tinian</td>
<td>Tinian</td>
<td>$50,700,000</td>
</tr>
<tr>
<td>Qatar</td>
<td>Al Udeid</td>
<td>$70,400,000</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>RAF Lakenheath</td>
<td>$148,467,000</td>
</tr>
<tr>
<td>Worldwide Classified</td>
<td>Classified Location</td>
<td>$18,000,000</td>
</tr>
</tbody>
</table>

SEC. 2302. FAMILY HOUSING.

Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed $3,199,000.

SEC. 2303. IMPROVEMENTS TO MILITARY FAMILY HOUSING UNITS.

Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military family housing functions as specified in the
funding table in section 4601, the Secretary of the Air Force may improve existing military family housing units in an amount not to exceed $75,247,000.

SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR FORCE.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for military construction, land acquisition, and military family housing functions of the Department of the Air Force, as specified in the funding table in section 4601.

(b) LIMITATION ON TOTAL COST OF CONSTRUCTION PROJECTS.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2301 of this Act may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.

SEC. 2305. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN PHASED PROJECT AUTHORIZED IN FISCAL YEARS 2015, 2016, AND 2017.

In the case of the authorization contained in the table in section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law
SEC. 2306. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2017 PROJECT.

In the case of the authorization contained in the table in section 2301(a) of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114–328; 130 Stat. 2696) for Joint Base San Antonio, Texas, for construction of a basic military training recruit dormitory, the Secretary of the Air Force may construct a 26,537 square meter dormitory in the amount of $92,300,000.

SEC. 2307. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECT.

In the case of the authorization contained in the table in section 2301(a) of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 114–328; 130 Stat. 2696) for Joint Base San Antonio, Texas, for construction of a basic military training recruit dormitory, the Secretary of the Air Force may construct a 26,537 square meter dormitory in the amount of $92,300,000.
tion Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1825) for the United States Air Force Academy, Colorado, for construction of a cyberworks facility, the Secretary of the Air Force may construct a facility of up to 4,462 square meters that includes two real property gifts of construction of 929 and 465 square meters if such gift is accepted by the Secretary in accordance with section 2601 of title 10, United States Code.

SEC. 2308. ADDITIONAL AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2019 PROJECTS.

(a) PROJECT AUTHORIZATIONS.—The Secretary of the Air Force may carry out military construction projects to construct—

(1) a 6,702 square meter Joint Simulation Environment Facility at Edwards Air Force Base, California, in the amount of $43,000,000;

(2) a 4,833 square meter Cyberspace Test Facility at Eglin Air Force Base, Florida, in the amount of $38,000,000; and

(3) a 4,735 square meter Joint Simulation Environment Facility at Nellis Air Force Base, Nevada, in the amount of $30,000,000.

(b) USE OF RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FUNDS.—As provided for in the Defense Laboratory Modernization Pilot Program authorized by section
2803 of the Military Construction Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1169), the Secretary may use funds available for research, development, test, and evaluation for the projects described in subsection (a).

**TITLE XXIV—DEFENSE AGENCIES MILITARY CONSTRUCTION**

**SEC. 2401. AUTHORIZED DEFENSE AGENCIES CONSTRUCTION AND LAND ACQUISITION PROJECTS.**

(a) **Inside the United States.**—Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of Defense may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska</td>
<td>Clear Air Force Station</td>
<td>$174,000,000</td>
</tr>
<tr>
<td>Arkansas</td>
<td>Fort Greely</td>
<td>$8,000,000</td>
</tr>
<tr>
<td>California</td>
<td>Joint Base Elmendorf-Richardson</td>
<td>$14,000,000</td>
</tr>
<tr>
<td></td>
<td>Little Rock Air Force Base</td>
<td>$14,000,000</td>
</tr>
<tr>
<td></td>
<td>Camp Pendleton</td>
<td>$12,596,000</td>
</tr>
<tr>
<td></td>
<td>Coronado</td>
<td>$71,088,000</td>
</tr>
<tr>
<td></td>
<td>Defense Distribution Depot-Tracy</td>
<td>$18,800,000</td>
</tr>
<tr>
<td>Colorado</td>
<td>Fort Carson</td>
<td>$24,297,000</td>
</tr>
<tr>
<td></td>
<td>Defense Distribution Depot-Tracy</td>
<td>$18,800,000</td>
</tr>
<tr>
<td></td>
<td>Classified Location</td>
<td>$49,222,000</td>
</tr>
<tr>
<td></td>
<td>Fort Campbell</td>
<td>$82,298,000</td>
</tr>
<tr>
<td></td>
<td>Kittery</td>
<td>$11,600,000</td>
</tr>
<tr>
<td></td>
<td>Fort Meade</td>
<td>$895,000,000</td>
</tr>
<tr>
<td></td>
<td>St. Louis</td>
<td>$447,800,000</td>
</tr>
<tr>
<td></td>
<td>Joint Base McGuire-Dix-Lakehurst</td>
<td>$10,200,000</td>
</tr>
<tr>
<td></td>
<td>Fort Bragg</td>
<td>$32,366,000</td>
</tr>
</tbody>
</table>
Defense Agencies: Inside the United States—Continued

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oklahoma</td>
<td>New River</td>
<td>$32,580,000</td>
</tr>
<tr>
<td></td>
<td>McAlester</td>
<td>$7,000,000</td>
</tr>
<tr>
<td>Texas</td>
<td>Joint Base San Antonio</td>
<td>$10,200,000</td>
</tr>
<tr>
<td></td>
<td>Red River Army Depot</td>
<td>$71,500,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Donnell</td>
<td>$8,959,000</td>
</tr>
<tr>
<td></td>
<td>Fort A.P. Hill</td>
<td>$11,734,000</td>
</tr>
<tr>
<td></td>
<td>Fort Belvoir</td>
<td>$6,127,000</td>
</tr>
<tr>
<td></td>
<td>Humphreys Engineer Center</td>
<td>$20,257,000</td>
</tr>
<tr>
<td></td>
<td>Joint Base Langley-Eustis</td>
<td>$12,700,000</td>
</tr>
<tr>
<td></td>
<td>Pentagon</td>
<td>$35,850,000</td>
</tr>
<tr>
<td>Washington</td>
<td>Joint Base Lewis-McChord</td>
<td>$26,200,000</td>
</tr>
</tbody>
</table>

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of Defense may acquire real property and carry out military construction projects for the installations or locations outside the United States, and in the amounts, set forth in the following table:

Defense Agencies: Outside the United States

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>U.S. Army Garrison Benelux (Chievres)</td>
<td>$14,305,000</td>
</tr>
<tr>
<td>Cuba</td>
<td>Guantanamo Bay</td>
<td>$9,989,000</td>
</tr>
<tr>
<td>Djibouti</td>
<td>Camp Lemonnier</td>
<td>$3,759,000</td>
</tr>
<tr>
<td>Germany</td>
<td>Baumholder</td>
<td>$11,504,000</td>
</tr>
<tr>
<td></td>
<td>Kaiserslautern Air Base</td>
<td>$99,955,000</td>
</tr>
<tr>
<td></td>
<td>Weisbaden</td>
<td>$56,048,000</td>
</tr>
<tr>
<td>Greece</td>
<td>NSA Souda Bay</td>
<td>$2,230,000</td>
</tr>
<tr>
<td>Guam</td>
<td>Naval Base Guam</td>
<td>$4,634,000</td>
</tr>
<tr>
<td></td>
<td>NSA Naples</td>
<td>$990,000</td>
</tr>
<tr>
<td>Japan</td>
<td>Camp McTavrels</td>
<td>$94,851,000</td>
</tr>
<tr>
<td></td>
<td>Iwakuni</td>
<td>$33,200,000</td>
</tr>
<tr>
<td></td>
<td>Kadena Air Base</td>
<td>$21,400,000</td>
</tr>
<tr>
<td></td>
<td>Yokosuka</td>
<td>$170,386,000</td>
</tr>
<tr>
<td>Unspecified Worldwide</td>
<td>Unspecified</td>
<td>$15,693,000</td>
</tr>
</tbody>
</table>
SEC. 2402. ENERGY RESILIENCE AND CONSERVATION INVESTMENT PROGRAM.

Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for energy conservation projects as specified in the funding table in section 4601, the Secretary of Defense may carry out energy conservation projects under chapter 173 of title 10, United States Code, for the installations or locations outside the United States, and in the amounts set forth in the following table:

Energy Conservation Projects: Inside the United States

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>Anniston Army Depot</td>
<td>$20,000,000</td>
</tr>
<tr>
<td>California</td>
<td>Naval Base Ventura County</td>
<td>$6,530,000</td>
</tr>
<tr>
<td>Colorado</td>
<td>Schriever Air Force Base</td>
<td>$4,044,000</td>
</tr>
<tr>
<td>Florida</td>
<td>MacDill Air Force Base</td>
<td>$3,700,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Bellows Air Force Base</td>
<td>$2,944,000</td>
</tr>
<tr>
<td>Idaho</td>
<td>Mountain Home Air Force Base</td>
<td>$3,980,000</td>
</tr>
<tr>
<td>Indiana</td>
<td>NSA Crane</td>
<td>$6,890,000</td>
</tr>
<tr>
<td>Kansas</td>
<td>Salina Training Center</td>
<td>$3,500,000</td>
</tr>
<tr>
<td>Louisiana</td>
<td>Naval Air Station Joint Reserve Base New Orleans</td>
<td>$3,340,000</td>
</tr>
<tr>
<td>Maryland</td>
<td>NSA Bethesda</td>
<td>$22,000,000</td>
</tr>
<tr>
<td>New Mexico</td>
<td>Kirtland Air Force Base</td>
<td>$462,000</td>
</tr>
<tr>
<td>Ohio</td>
<td>Wright-Patterson Air Force Base</td>
<td>$7,900,000</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>Fort Indiantown Gap</td>
<td>$2,150,000</td>
</tr>
<tr>
<td>South Carolina</td>
<td>Marine Corps Air Station Beaufort</td>
<td>$22,402,000</td>
</tr>
<tr>
<td>Texas</td>
<td>Camp Mahry</td>
<td>$5,500,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Sheppard Air Force Base</td>
<td>$9,404,000</td>
</tr>
<tr>
<td>Washington</td>
<td>Naval Air Station Oceana</td>
<td>$2,320,000</td>
</tr>
</tbody>
</table>

SEC. 2403. AUTHORIZATION OF APPROPRIATIONS, DEFENSE AGENCIES.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for military construction,
land acquisition, and military family housing functions of
the Department of Defense (other than the military depart-
ments), as specified in the funding table in section 4601.

(b) LIMITATION ON TOTAL COST OF CONSTRUCTION
PROJECTS.—Notwithstanding the cost variations author-
ized by section 2853 of title 10, United States Code, and
any other cost variation authorized by law, the total cost
of all projects carried out under section 2401 of this Act
may not exceed the total amount authorized to be appro-
piated under subsection (a), as specified in the funding
table in section 4601.

SEC. 2404. EXTENSION OF AUTHORIZATIONS OF CERTAIN
FISCAL YEAR 2015 PROJECTS.

(a) EXTENSION.—Notwithstanding section 2002 of the
Military Construction Authorization Act for Fiscal Year
2015 (division B of Public Law 113–291; 128 Stat. 3669),
the authorizations set forth in the table in subsection (b),
as provided in section 2401 of that Act (128 Stat. 3681),
and amended by section 2406 of the Military Construction
Authorization Act for Fiscal Year 2018 (division B of Pub-
lic Law 115–91; 131 Stat. 1831), shall remain in effect
until October 1, 2019, or the date of the enactment of an
Act authorizing funds for military construction for fiscal
year 2020, whichever is later.
(b) **TABLE.**—The table referred to in subsection (a) is as follows:

**Defense Agencies: Extension of 2015 Project Authorizations**

<table>
<thead>
<tr>
<th>State/Country</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japan ..........</td>
<td>Commander Fleet Activities Sasebo</td>
<td>E.J. King High School Replacement/Renovation.</td>
<td>$37,681,000</td>
</tr>
<tr>
<td></td>
<td>Okinawa</td>
<td>Kubasaki High School Replacement/Renovation.</td>
<td>$99,420,000</td>
</tr>
<tr>
<td>New Mexico ....</td>
<td>Cannon Air Force Base</td>
<td>SOF Squadron Operations Facility (STS).</td>
<td>$23,333,000</td>
</tr>
<tr>
<td>Virginia ........</td>
<td>Pentagon</td>
<td>Redundant Chilled Water Loop.</td>
<td>$15,100,000</td>
</tr>
</tbody>
</table>

**SEC. 2405. AUTHORIZATION OF CERTAIN FISCAL YEAR 2018 PROJECT.**

The table in section 2401(a) of the National Defense Authorization Act for Fiscal Year 2018 (division B of Public Law 105–91) is amended by inserting after the item relating to South Carolina the following new item:

| Texas ......................... | Fort Bliss Blood Processing Center | $8,300,000  |
TITLE XXV—INTERNATIONAL PROGRAMS

Subtitle A—North Atlantic Treaty Organization Security Investment Program

SEC. 2501. AUTHORIZED NATO CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of Defense may make contributions for the North Atlantic Treaty Organization Security Investment Program as provided in section 2806 of title 10, United States Code, in an amount not to exceed the sum of the amount authorized to be appropriated for this purpose in section 2502 and the amount collected from the North Atlantic Treaty Organization as a result of construction previously financed by the United States.

SEC. 2502. AUTHORIZATION OF APPROPRIATIONS, NATO.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for contributions by the Secretary of Defense under section 2806 of title 10, United States Code, for the share of the United States of the cost of projects for the North Atlantic Treaty Organization Security Investment Program authorized by section 2501 as specified in the funding table in section 4601.
Subtitle B—Host Country In-kind Contributions

SEC. 2511. REPUBLIC OF KOREA FUNDED CONSTRUCTION PROJECTS.

Pursuant to agreement with the Republic of Korea for required in-kind contributions, the Secretary of Defense may accept military construction projects for the installations or locations, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Component</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Korea</td>
<td>Army</td>
<td>Camp Carroll</td>
<td>Upgrade Electrical Distribution, Phase 2</td>
<td>$52,000,000</td>
</tr>
<tr>
<td></td>
<td>Army</td>
<td>Camp Humphreys</td>
<td>Site Development</td>
<td>$7,800,000</td>
</tr>
<tr>
<td></td>
<td>Army</td>
<td>Camp Humphreys</td>
<td>Air Support Operations Squadron</td>
<td>$25,000,000</td>
</tr>
<tr>
<td></td>
<td>Army</td>
<td>Camp Humphreys</td>
<td>Unaccompanied Enlisted Personnel Housing, P2</td>
<td>$76,000,000</td>
</tr>
<tr>
<td></td>
<td>Army</td>
<td>Camp Humphreys</td>
<td>Echelon Above Brigade Engineer Battalion, VMF</td>
<td>$123,000,000</td>
</tr>
<tr>
<td></td>
<td>Army</td>
<td>Camp Walker</td>
<td>Repair/Replace Sewer Piping System</td>
<td>$8,000,000</td>
</tr>
<tr>
<td>Navy</td>
<td>Chinhae</td>
<td>Pohang Air Base</td>
<td>Indoor Training Pool</td>
<td>$7,400,000</td>
</tr>
<tr>
<td>Air Force</td>
<td>Gimhae Air</td>
<td>Air Force Base</td>
<td>Airfield Damage Repair Warehouse</td>
<td>$7,600,000</td>
</tr>
<tr>
<td></td>
<td>Gwangju Air</td>
<td>Air Force Base</td>
<td>Airfield Damage Repair Warehouse</td>
<td>$7,600,000</td>
</tr>
<tr>
<td>Air Force</td>
<td>Kunsan Air</td>
<td>Air Force Base</td>
<td>Explosive Ordnance Disposal Facility</td>
<td>$8,000,000</td>
</tr>
<tr>
<td></td>
<td>Kunsan Air</td>
<td>Air Force Base</td>
<td>Upgrade Flow-Through Fuel System</td>
<td>$23,000,000</td>
</tr>
<tr>
<td></td>
<td>Osan Air Base</td>
<td>Air Force Base</td>
<td>5th Reconnaissance Squadron Aircraft Shelter</td>
<td>$12,000,000</td>
</tr>
</tbody>
</table>
Republic of Korea Funded Construction Projects—Continued

<table>
<thead>
<tr>
<th>Country</th>
<th>Component or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Force</td>
<td>Osan Air Base</td>
<td>Airfield Damage Repair Facility</td>
<td>$22,000,000</td>
</tr>
<tr>
<td>Air Force</td>
<td>Osan Air Base</td>
<td>Communications HQ Building</td>
<td>$45,000,000</td>
</tr>
<tr>
<td>Air Force</td>
<td>Suwon Air Base</td>
<td>Airfield Damage Repair Warehouse</td>
<td>$7,200,000</td>
</tr>
</tbody>
</table>

TITLE XXVI—GUARD AND RESERVE FORCES FACILITIES

Subtitle A—Project Authorizations and Authorization of Appropriations

SEC. 2601. AUTHORIZED ARMY NATIONAL GUARD CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the Army National Guard locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska</td>
<td>Joint Base Elmendorf-Richardson</td>
<td>$27,000,000</td>
</tr>
<tr>
<td>Illinois</td>
<td>Marseilles</td>
<td>$5,000,000</td>
</tr>
<tr>
<td>Montana</td>
<td>Malta</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>Nevada</td>
<td>North Las Vegas</td>
<td>$32,000,000</td>
</tr>
<tr>
<td>New Hampshire</td>
<td>Pembroke</td>
<td>$12,000,000</td>
</tr>
<tr>
<td>North Dakota</td>
<td>Fargo</td>
<td>$32,000,000</td>
</tr>
<tr>
<td>Ohio</td>
<td>Camp Ravenna</td>
<td>$7,400,000</td>
</tr>
</tbody>
</table>
Army National Guard—Continued

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oklahoma</td>
<td>Lexington</td>
<td>$11,000,000</td>
</tr>
<tr>
<td>Oregon</td>
<td>Boardman</td>
<td>$11,000,000</td>
</tr>
<tr>
<td>South Dakota</td>
<td>Rapid City</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>Texas</td>
<td>Houston</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Sandston</td>
<td>$89,000,000</td>
</tr>
</tbody>
</table>

SEC. 2602. AUTHORIZED ARMY RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the Army Reserve locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>Barstow</td>
<td>$34,000,000</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>Fort McCoy</td>
<td>$23,000,000</td>
</tr>
</tbody>
</table>

SEC. 2603. AUTHORIZED NAVY RESERVE AND MARINE CORPS RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Navy may acquire real property and carry out military construction projects for the Navy Reserve and Marine Corps Reserve
locations inside the United States, and in the amounts, set forth in the following table:

**Navy Reserve and Marine Corps Reserve**

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>Seal Beach</td>
<td>$21,740,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Benning</td>
<td>$13,630,000</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>Pittsburgh</td>
<td>$17,650,000</td>
</tr>
</tbody>
</table>

**SEC. 2604. AUTHORIZED AIR NATIONAL GUARD CONSTRUCTION AND LAND ACQUISITION PROJECTS.**

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the Air National Guard locations inside the United States, and in the amounts, set forth in the following table:

**Air National Guard**

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>Channel Islands Air National Guard Station</td>
<td>$8,000,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Joint Base Pearl Harbor-Hickam</td>
<td>$17,000,000</td>
</tr>
<tr>
<td>Illinois</td>
<td>General Wayne A. Downing Peoria International Airport</td>
<td>$9,000,000</td>
</tr>
<tr>
<td>Louisiana</td>
<td>Naval Air Station Joint Reserve Base New Orleans</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>New York</td>
<td>Francis S. Gabreski Airport</td>
<td>$20,000,000</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>Fort Indiantown Gap</td>
<td>$8,000,000</td>
</tr>
<tr>
<td>Puerto Rico</td>
<td>Luis Munoz Marin International Airport</td>
<td>$50,000,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Joint Base Langley-Eustis</td>
<td>$10,000,000</td>
</tr>
</tbody>
</table>
SEC. 2605. AUTHORIZED AIR FORCE RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the Air Force Reserve locations inside the United States, and in the amounts, set forth in the following table:

### Air Force Reserve

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indiana</td>
<td>Grissom Air Reserve Base</td>
<td>$21,500,000</td>
</tr>
<tr>
<td>Minnesota</td>
<td>St. Paul International Airport</td>
<td>$9,000,000</td>
</tr>
<tr>
<td>Mississippi</td>
<td>Keesler Air Force Base</td>
<td>$4,550,000</td>
</tr>
<tr>
<td>New York</td>
<td>Niagara Falls International Airport</td>
<td>$14,000,000</td>
</tr>
<tr>
<td>Texas</td>
<td>Naval Air Station Joint Reserve Base</td>
<td>$3,100,000</td>
</tr>
<tr>
<td></td>
<td>Fort Worth</td>
<td></td>
</tr>
</tbody>
</table>

SEC. 2606. AUTHORIZATION OF APPROPRIATIONS, NATIONAL GUARD AND RESERVE.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for the costs of acquisition, architectural and engineering services, and construction of facilities for the Guard and Reserve Forces, and for contributions therefor, under chapter 1803 of title 10, United States Code (including the cost of acquisition of land for those facilities), as specified in the funding table in section 4601.
Subtitle B—Other Matters

SEC. 2611. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2016 PROJECT.

In the case of the authorization contained in the table in section 2603 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114–92; 129 Stat. 1164) for construction of a Reserve Training Center Complex at Dam Neck, Virginia, the Secretary of the Navy may construct the Reserve Training Center Complex at Joint Expeditionary Base Little Creek-Story, Virginia.

SEC. 2612. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECT.

In the case of the authorization contained in the table in section 2601 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1834) for Fort Belvoir, Virginia, for additions and alterations to the National Guard Readiness Center, the Secretary of the Army may construct a new readiness center. If a new readiness center is constructed, no funds above the previously authorized $15,000,000 may be made available for such purpose.
SEC. 2613. ADDITIONAL AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2019 PROJECT.

(a) Project Authorization.—The Secretary of the Navy may carry out a military construction project to construct a 50,000 square foot reserve training center, 6,600 square foot combat vehicle maintenance and storage facility, 2,400 square foot vehicle wash rack, 1,600 square foot covered training area, road improvements, and associated supporting facilities, and may acquire approximately 8.5 acres of adjacent land and obtain necessary interest in land at Pittsburgh, Pennsylvania, in the amount of $17,650,000.

(b) Use of Unobligated Prior-Year Navy Military Construction Reserve Funds.—The Secretary may use available, unobligated Navy military construction reserve funds for the project described in subsection (a).

(c) Congressional Notification.—The Secretary of the Navy shall provide information in accordance with section 2851(c) of title 10, United States Code, regarding the project described in subsection (a). If it becomes necessary to exceed the estimated project cost, the Secretary shall utilize the authority provided by section 2853 of such title regarding authorized cost and scope of work variations.
TITLE XXVII—BASE REALIGNMENT AND CLOSURE ACTIVITIES

SEC. 2701. AUTHORIZATION OF APPROPRIATIONS FOR BASE REALIGNMENT AND CLOSURE ACTIVITIES FUNDED THROUGH DEPARTMENT OF DEFENSE BASE CLOSURE ACCOUNT.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for base realignment and closure activities, including real property acquisition and military construction projects, as authorized by the Defense Base Closure and Realignment Act of 1990 (part A of title XXIX of Public Law 101–510; 10 U.S.C. 2687 note) and funded through the Department of Defense Base Closure Account established by section 2906 of such Act (as amended by section 2711 of the Military Construction Authorization Act for Fiscal Year 2013 (division B of Public Law 112–239; 126 Stat. 2140)), as specified in the funding table in section 4601.

SEC. 2702. PROHIBITION ON CONDUCTING ADDITIONAL BASE REALIGNMENT AND CLOSURE (BRAC) ROUND.

Nothing in this Act shall be construed to authorize an additional Base Realignment and Closure (BRAC) round.
SEC. 2801. ADDITIONAL AUTHORITY TO OBTAIN ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN FOR DEFENSE LABORATORY MODERNIZATION PILOT PROGRAM.


(1) in subsection (a), by striking “subsection (d)” and inserting “subsection (e)”;

(2) in subsection (b)(1), by striking “, site preparation, and advance planning and design” and inserting “and site preparation”;

(3) in subsection (d), by striking “subsection (c)(1)” and inserting “subsection (d)(1)”;

(4) by redesignating subsections (c), (d), (e), and (f) as subsections (d), (e), (f), and (g), respectively;

(5) by inserting after subsection (b) the following new subsection:
“(c) Architectural and Engineering Services and Construction Design.—Using amounts appropriated or otherwise made available to the military departments for research, development, test, and evaluation, the Secretary of the military department concerned may obtain architectural and engineering services and carry out construction design in connection with a military construction project described in subsection (a). This authority is not subject to the condition in subsection (b).”;

(6) in subsection (d), as redesignated by paragraph (4)—

(A) in paragraph (1), by adding at the end the following: “This requirement does not include architectural and engineering services and construction design under subsection (c).”; and

(B) in paragraph (2), by inserting “other than funds used pursuant to subsection (c)” after “subsection (a)”; and

(7) in subsection (g), as redesignated by paragraph (4), by striking “2020” and inserting “2025”.

† HR 5515 PAP
SEC. 2802. MODIFICATION OF CONTRACT AUTHORITY FOR ACQUISITION, CONSTRUCTION, OR FURNISHING OF TEST FACILITIES AND EQUIPMENT.

Section 2353(a) of title 10, United States Code, is amended—

(1) by inserting after the first sentence the following: “The acquisition or construction of these research, developmental, or test facilities shall be subject to the cost principles applicable to allowable contract expenses.”; and

(2) by adding at the end the following: “The acquisition or construction of facilities under the authority of this section shall not be governed by sections 2802, 2805, or 2811 of this title and their associated implementing regulations. The Secretary of Defense and the Secretaries of the military departments shall promulgate regulations necessary to give full force and effect to this section.”.

SEC. 2803. EXTENSION OF TEMPORARY, LIMITED AUTHORITY TO USE OPERATION AND MAINTENANCE FUNDS FOR CONSTRUCTION PROJECTS IN CERTAIN AREAS OUTSIDE THE UNITED STATES.

(a) Extension of Authority.—Subsection (h) of section 2808 of the Military Construction Authorization Act

(1) in paragraph (1), by striking “December 31, 2018” and inserting “December 31, 2019”; and

(2) in paragraph (2), by striking “fiscal year 2019” and inserting “fiscal year 2020”.

(b) LIMITATION ON USE OF AUTHORITY.—Subsection (c)(1) of such section is amended—

(1) by striking “$100,000,000” and inserting “$50,000,000”; 

(2) by striking “October 1, 2017” and inserting “October 1, 2018”; 

(3) by striking “December 31, 2018” and inserting “December 31, 2019”; and 

(4) by striking “fiscal year 2019” and inserting “fiscal year 2020”.

SEC. 2804. UNSPECIFIED MINOR MILITARY CONSTRUCTION PROJECTS RELATED TO REVITALIZATION AND RECAPITALIZATION OF DEFENSE INDUSTRIAL BASE FACILITIES.

Section 2805 of title 10, United States Code, is amended by adding at the end the following new subsection:
“(g) Defense Industrial Base Facility Revitalization.—(1) For the revitalization and recapitalization of Defense Industrial Base Facilities owned by the United States and under the jurisdiction of the Secretary concerned, the Secretary concerned may obligate and expend—

“(A) from appropriations available to the Secretary concerned for operation and maintenance, amounts necessary to carry out an unspecified minor military construction project costing not more than $6,000,000, notwithstanding subsection (c); or

“(B) from appropriations available to the Secretary concerned for military construction not otherwise authorized by law or from funds authorized to be made available section 2363(a) of this title, amounts necessary to carry out an unspecified minor military construction project costing not more than $6,000,000.

“(2) For purposes of this subsection, an unspecified minor military construction project is a military construction project that (notwithstanding subsection (a)) has an approved cost equal to or less than $6,000,000.

“(3) If the Secretary concerned makes a decision to carry out an unspecified minor military construction project to which this subsection applies, the Secretary concerned shall notify the appropriate committees of Congress
of that decision, of the justification for the project, and of the estimated cost of the project. The project may then be carried out only after the end of the 14-day period beginning on the date the notification is received by the committees in an electronic medium pursuant to section 480 of this title.

“(4) In this section, the term ‘defense industrial base facility’ means any Department of Defense depot, arsenal, shipyard, or plant located within the United States.

“(5) The authority to carry out a project under this subsection expires on September 30, 2023.”.

SEC. 2805. CONGRESSIONAL OVERSIGHT OF PROJECTS CARRIED OUT PURSUANT TO LAWS OTHER THAN MILITARY CONSTRUCTION AUTHORIZATION ACTS.

Section 2802(e)(1) of title 10, United States Code, is amended—

(1) by striking “Secretary concerned shall—” and all that follows through “comply with the congressional notification requirement” and inserting “Secretary concerned shall comply with the congressional notification requirement”; and

(2) by inserting “and submit to the congressional defense committees any materials required to be submitted to Congress or any other congressional com-
Subtitle B—Project Management and Oversight Reforms

SEC. 2811. UPDATES AND MODIFICATIONS TO DEPARTMENT OF DEFENSE FORM 1391, UNIFIED FACILITIES CRITERIA, AND MILITARY INSTALLATION MASTER PLANS.

(a) Flood Risk Disclosure for Military Construction.—

(1) In general.—The Secretary of Defense shall modify Department of Defense Form 1391 to require, with respect to any proposed major or minor military construction project requiring congressional notification or approval—

(A) disclosure whether a proposed project will be sited within or partially within a 100-year floodplain, according to the most recent available Federal Emergency Management Agency flood hazard data; and

(B) if the proposed project will be sited within or partially within a 100-year floodplain, the specific risk mitigation plan.

(2) Delineation of Floodplain.—To the extent that Federal Emergency Management Agency...
flood hazard data are not available for a proposed major or minor military construction site, the Secretary concerned shall establish a process for delineating the 100-year floodplain using risk analysis that is consistent with the standards used to inform Federal flood risk assessments.

(3) Reporting Requirements.—For proposed projects that are to be sited within or partially within a 100-year floodplain, the Secretary concerned shall submit to the congressional defense committees a report with the following:

(A) An assessment of flood vulnerability for the proposed project.

(B) Any information concerning alternative construction sites that were considered, and an explanation of why those sites do not satisfy mission requirements.

(C) A description of planned flood mitigation measures.

(4) Minimum Flood Mitigation Requirements.—When mitigating the flood risk of a major or minor military construction project within or partially within the 100-year floodplain, the Secretary concerned shall require any mitigation plan to assume an additional—
(A) 2 feet above the base flood elevation for non-mission critical buildings, as determined by the Secretary; and

(B) 3 feet above the base flood elevation for mission-critical buildings, as determined by the Secretary.

(b) Disclosure Requirements for Department of Defense Form 1391.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall amend Department of Defense Form 1391 to require, for each requested military construction project—

(1) disclosure whether the project was included in the prior year’s future-years defense program submitted to Congress pursuant to section 221 of title 10, United States Code; and

(2) inclusion of an energy study or life cycle analysis.

(c) Incorporation of Changing Environmental Condition Projections in Military Construction Designs and Modifications.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall amend section 3–5.6.2.3 of United Facilities Criteria (UFC) 2–100–01 and UFC 2–100–02 (or any similar successor regulations) to provide that in order to anticipate changing environmental conditions during the design life
of existing or planned new facilities and infrastructure, projections from reliable and authorized sources such as the Census Bureau (for population projections), the National Academies of Sciences (for land use change projections and climate projections), the U.S. Geological Survey (for land use change projections), and the U.S. Global Change Research Office and National Climate Assessment (for climate projections) shall be considered and incorporated into military construction designs and modifications.

(d) Inclusion of Consideration of Energy and Climate Resiliency Efforts in Master Plans for Major Military Installations.—Section 2864 of title 10, United States Code, is amended—

(1) in subsection (a)(2)—

(A) in subparagraph (C), by striking “and” at the end;

(B) in subparagraph (D), by striking the period at the end and inserting “; and”; and

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

“(E) energy and climate resiliency efforts.”; and

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

“(3) The term ‘energy and climate resiliency’ means anticipation, preparation for, and adaptation
to utility disruptions and changing environmental
conditions and the ability to withstand, respond to,
and recover rapidly from utility disruptions while en-
suring the sustainment of mission-critical oper-
ations.”

(e) Definition of Military Installation Resil-
ience.—Section 101(e) of title 10, United States Code, is
amended by adding at the end the following new paragraph:

“(8) Military Installation Resilience.—The
term ‘military installation resilience’ means the capa-
bility of a military installation to avoid, prepare for,
minimize the effect of, adapt to, and recover from ex-
treme weather events, or from anticipated or unan-
ticipated changes in environmental conditions, that
do, or have the potential to, adversely affect the mili-
tary installation or essential transportation,
logistical, or other necessary resources outside of the
military installation that are necessary in order to
maintain, improve, or rapidly reestablish installation
mission assurance and mission-essential functions.”.

(f) Adjustment and Diversification Assistance
for Responding to Threats to the Resilience of a
Military Installation.—Section 2391(b)(1) of title 10,
United States Code, is amended—
(1) by striking “, or (E) by the closure” and inserting “, (E) by threats to military installation resilience, or (F) by the closure”;

(2) by striking “(A), (B), (C), or (E)” and inserting “(A), (B), (C), or (F)”;

(3) by striking “action described in clause (D), if the Secretary determines that the encroachment of the civilian community” and inserting “action described in clause (D) or (E), if the Secretary determines that either the encroachment of the civilian community or threats to military installation resilience”.

SEC. 2812. WORK IN PROCESS CURVE CHARTS AND OUTLAY TABLES FOR MILITARY CONSTRUCTION

TABLES FOR MILITARY CONSTRUCTION PROJECTS.

(a) REQUIRED SUBMISSIONS.—

(1) IN GENERAL.—Subchapter III of chapter 169 of title 10, United States Code, is amended by inserting after section 2864 the following new section:

§2865. Work in Process Curve charts and outlay tables required for military construction projects

“Along with the budget for each fiscal year submitted by the President pursuant to section 1105(a) of title 31, United States Code, the Secretary of Defense and the Secre-
taries of the military departments shall include for any military construction project over $35,000,000, as an addendum to be included within the same document as the 1391s for the Military Construction Program budget documentation, a Project Spending Plan that includes—

“(1) a Work in Process Curve chart to identify funding, obligations, and outlay figures; and

“(2) a monthly outlay table for funding, obligations, and outlay figures.”.

(2) Clerical Amendment.—The table of sections at the beginning of such subchapter is amended by inserting after the item relating to section 2864 the following new item:

“2865. Work in Process Curve charts and outlay tables required for military construction projects.”.

(b) Department of Defense Guidance.—The Secretary of Defense shall, in coordination with the Under Secretary of Defense (Comptroller), update Department of Defense Financial Management Regulation 7000.14–R, and any other appropriate instructions and guidance, to ensure that the Department of Defense takes appropriate actions to comply with section 2865 of title 10, United States Code, as added by this section.
Subtitle C—Land Conveyances

SEC. 2821. LAND EXCHANGE, AIR FORCE PLANT 44, TUCSON, ARIZONA.

(a) Land Conveyance and Restoration of Real Property Improvements Authorized.—In connection with a project planned by the Tuscon Airport Authority (in this section referred to as “TAA”) to relocate and extend a parallel runway and make other airfield safety enhancements at the Tucson International Airport, the Secretary of the Air Force (in this section referred to as the “Secretary”) may—

(1) convey to TAA all right, title, and interest of the United States in and to all or any part of a parcel of real property, including any improvements thereon, consisting of approximately 58 acres on Air Force Plant 44, Arizona, and located adjacent to Tucson International Airport;

(2) agree to terminate all or a portion of any deed restrictions made for the benefit of the United States that limit construction on Tucson International Airport within 750 feet of the Airport’s southwest property boundary with Air Force Plant 44; and

(3) using cash or in-kind consideration as provided in subsection (b)—
(A) construct new explosives storage facilities to replace the explosives storage facilities located on the land described in paragraph (1) and explosives storage facilities located on Air Force Plant 44 within the end-of-runway clear zone associated with the TAA airfield enhancement project; and

(B) construct new fencing as necessary to accommodate the changes in the boundary of Air Force Plant 44.

(b) CONSIDERATION.—As consideration for the land conveyance, deed restriction termination, replacement of real property improvements, and installation of fencing authorized under subsection (a), the following consideration must be received by the United States before the Secretary may make any conveyance or termination of real property interests of the United States as described in subsection (a):

(1) All right, title, and interest of the owner or owners thereof to the parcels of real property consisting of approximately 160 acres directly adjacent to the south boundary of Air Force Plant 44.

(2) The cost to the Secretary, in accordance with current design standards, of—

(A) replacing the real property structures on Air Force Plant 44 made unusable due to the
land transfers and termination of deed restrictions, with structures of at least equivalent capacity and functionality; and

(B) installing the necessary boundary fencing due to the changes in the boundary of Air Force Plant 44.

(c) **Direct Payment of Consideration to Government Contractors.**—The Secretary may require that any cash consideration to be received under this section be paid, directly or through the Air Force design and construction agent, to the contractors performing design or construction of the real property improvements described in subsection (a)(3).

(d) **Payment of Costs of Conveyances.**—

(1) **Payment Required.**—The Secretary may require TAA to cover costs to be incurred by the Secretary to carry out the land exchange and other transactions authorized under this section, or to reimburse the Secretary for such costs, including survey costs, appraisal costs, costs related to environmental documentation, and other administrative costs related to the conveyances. If amounts are collected from TAA in advance of the Secretary incurring the actual costs, and the amount collected exceeds the costs actually incurred by the Secretary to carry out such trans-
actions, the Secretary shall refund the excess amount to TAA.

(2) Treatment of Amounts Received.—
Amounts received as reimbursements under paragraph (1) shall be used in accordance with section 2695(c) of title 10, United States Code.

(e) Description of Property.—The exact acreage and legal description of the real property to be exchanged under this section shall be determined by a survey satisfactory to the Secretary.

(f) Additional Terms and Conditions.—The Secretary may require such additional terms and conditions in connection with the land exchange and other transactions under this section as the Secretary considers appropriate to protect the interests of the United States. Without limiting the foregoing, the Secretary may establish a deed restriction on any part of the 58 acres described in subsection (a)(1) to accommodate existing Quantity Distance arcs.

SEC. 2822. LAND CONVEYANCE, EGLIN AIR FORCE BASE, FLORIDA.

(a) Conveyance Authorized.—The Secretary of the Air Force may convey, without consideration, to the Air Force Enlisted Village, a nonprofit corporation (in this section referred to as the “Village”), all right, title, and inter-
est of the United States in and to a parcel of real property, including improvements thereon, consisting of approximately 80 acres located adjacent to Eglin Air Force Base, Florida, for the purpose of independent-living and assisted-living apartments for veterans. The conveyance under this subsection is subject to valid existing rights.

(b) Reversionary Interest.—If the Secretary determines at any time that the real property conveyed under subsection (a) is not being used in accordance with the purpose of the conveyance specified in subsection (a), all right, title, and interest in and to such real property, including any improvements thereto, shall, at the option of the Secretary, revert to and become the property of the United States, and the United States shall have the right of immediate entry onto such real property. A determination by the Secretary under this subsection shall be made on the record after an opportunity for a hearing.

(c) Payment of Costs of Conveyance.—

(1) Payment Required.—The Secretary may require the Village to cover all costs (except costs for environmental remediation of the property) to be incurred by the Secretary, or to reimburse the Secretary for costs incurred by the Secretary, to carry out the conveyance under this section, including survey costs, costs for environmental documentation, and any other
administrative costs related to the conveyance. If amounts are collected from the Village in advance of the Secretary incurring the actual costs, and the amount collected exceeds the costs actually incurred by the Secretary to carry out the conveyance, the Secretary shall refund the excess amount to the Village.  

(2) Treatment of Amounts Received.—Amounts received under paragraph (1) as reimbursement for costs incurred by the Secretary to carry out the conveyance under subsection (a) shall be credited to the fund or account that was used to cover the costs incurred by the Secretary in carrying out the conveyance, or to an appropriate fund or account currently available to the Secretary for the purposes for which the costs were paid. Amounts so credited shall be merged with amounts in such fund or account and shall be available for the same purposes, and subject to the same conditions and limitations, as amounts in such fund or account.  

(d) Description of Property.—The exact acreage and legal description of the property to be conveyed under subsection (a) shall be determined by a survey satisfactory to the Secretary  

(e) Additional Terms and Conditions.—The Secretary may require such additional terms and conditions
in connection with the conveyance under subsection (a) as the Secretary considers appropriate to protect the interests of the United States.

Subtitle D—Other Matters

SEC. 2831. COMMEMORATION OF FREEDMAN’S VILLAGE.

(a) Freedman’s Village Gate.—The Secretary of the Army shall, as part of the southern expansion of Arlington National Cemetery, name the newly constructed gate located at the intersection of Hobson Drive and Southgate Road, “Freedman’s Village Gate”.

(b) Permanent Easement.—The Secretary of the Army is directed to grant to Arlington County a permanent easement of no less than 0.1 acres of land within the right-of-way of Southgate Road to the south and west of Hobson Drive and west of the planned joint base access road that is also continuous with Foxcroft Heights Park for the purpose of commemorating Freedman’s Village.

(c) Relocation of Commemoration in Event Location Is Used for Burial Purposes.—In the event Arlington National Cemetery subsequently acquires the property used for the commemoration described under subsection (b) for burial purposes, the Army shall relocate any commemoration of Freedman’s Village to an appropriate location.
(d) **REIMBURSEMENT.**—The Secretary of Defense may accept reimbursement from Arlington County for any costs associated with commemorating Freedman’s Village.

**SEC. 2832. STRATEGIC PLAN TO IMPROVE CAPABILITIES OF DEPARTMENT OF DEFENSE TRAINING RANGES AND INSTALLATIONS.**

(a) **PLAN REQUIRED.**—The Secretary of Defense shall develop and implement a comprehensive strategic plan to identify and address deficits in the capabilities of Department of Defense training ranges to support current and anticipated readiness requirements to execute the National Defense Strategy (NDS).

(b) **EVALUATION.**—As part of the preparation of the strategic plan, the Secretary shall conduct an evaluation of the following:

1. **The adequacy of current training range resources to include the ability to train against near-peer or peer threats in a realistic 5th Generation environment.**

2. **The adequacy of current training enablers to meet current and anticipated demands of the Armed Forces.**

(c) **ELEMENTS.**—The strategic plan shall include the following:
(1) Proposals to enhance the capabilities of training ranges to address any limitations or constraints on current Department resources, including any climatically induced impacts or shortfalls.

(2) Goals and milestones for tracking actions under the plan and measuring progress in carrying out such actions.

(3) Projected funding requirements for implementing actions under the plan.

(d) Development and Implementation.—The Under Secretary of Defense for Acquisition and Sustainment, as the principal staff assistant to the Secretary on installation management, shall have lead responsibility for developing and overseeing implementation of the strategic plan and for coordination of the discharge of the plan by components of the Department.

(e) Report on Implementation.—Not later than April 1, 2020, the Secretary shall, through the Under Secretary of Defense for Acquisition and Sustainment, submit to Congress a report on the progress made in implementing this section, including the following:

(1) A description of the strategic plan.

(2) A description of the results of the evaluation conducted under subsection (b).
(3) Such recommendations as the Secretary considers appropriate with respect to improvements of the capabilities of training ranges and enablers.

(f) PROGRESS REPORTS.—Not later than April 1, 2019, and annually thereafter for 3 years, the Secretary shall, through the Under Secretary, submit to Congress a report setting forth the following:

(1) A description of the progress made during the preceding fiscal year in implementing the strategic plan.

(2) A description of any additional actions taken, or to be taken, to address limitations and constraints on training ranges and enablers.

(3) Assessments of individual training ranges addressing the evaluation conducted under subsection (b).

(g) ADDITIONAL REPORT ELEMENT.—Each report under subsections (e) and (f) shall also include a list of significant modifications to training range inventory, such as range closures or expansions, during the preceding fiscal year, including any limitations or impacts due to climatic conditions.
SEC. 2833. NATIVE AMERICAN INDIAN LANDS ENVIRONMENTAL MITIGATION PROGRAM.

(a) IN GENERAL.—Chapter 160 of title 10, United States Code, is amended by adding at the end the following new section:

“§2712. Native American lands environmental mitigation program

“(a) ESTABLISHMENT.—The Secretary of Defense may establish and carry out a program to mitigate the environmental effects of Department of Defense actions on Indian lands and culturally connected locations.

“(b) PROGRAM ACTIVITIES.—The activities that may be carried out under the program established under subsection (a) are the following:

“(1) Identification, investigation, and documentation of suspected environmental effects attributable to past Department of Defense actions.

“(2) Development of mitigation options for such environmental effects, including development of cost-to-complete estimates and a system for prioritizing mitigation actions.

“(3) Direct mitigation actions that the Secretary determines are necessary and appropriate to mitigate the adverse environmental effects of past Department of Defense actions.
“(4) Demolition and removal of unsafe buildings and structures used by, under the jurisdiction of, or formerly used by or under the jurisdiction of the Department of Defense.

“(5) Training, technical assistance, and administrative support to facilitate the meaningful participation of Indian tribes in mitigation actions under the program.

“(6) Development and execution of a policy governing consultation with Indian tribes that have been or may be affected by Department of Defense actions, including training Department of Defense personnel to ensure compliance with the policy.

“(c) Cooperative Agreements.—(1) In carrying out the program established under subsection (a), the Secretary of Defense may enter into a cooperative agreement with an Indian tribe or an instrumentality of tribal government.

“(2) Notwithstanding chapter 63 of title 31, a cooperative agreement under this section may be used to acquire property or services for the direct benefit of the United States Government.

“(3) Any cooperative agreement under this section for the procurement of severable services may begin in one fiscal
year and end in another fiscal year provided the total pe-

"(d) DEFINITIONS.—In this section:

"(1) The term ‘Indian land’ includes—

"(A) any land located within the bound-
aries and a part of an Indian reservation, pueb-
lo, or rancheria;

"(B) any land that has been allotted to an
individual Indian, but has not been conveyed to
such Indian with full power of alienation;

"(C) Alaska Native village and regional cor-
poration lands; and

"(D) lands and waters upon which any fed-
erally recognized Indian tribe has rights reserved
by treaty, act of Congress, or action by the Presi-
dent.

"(2) The term ‘Indian tribe’ means any Indian
tribe, band, nation, or other organized group or com-
munity, including any Alaska Native village or re-
gional or village corporation as defined in or estab-
lished pursuant to the Alaska Native Claims Settle-
ment Act (43 U.S.C. 1601 et seq.), which is recognized
as eligible for the special programs and services pro-
vided by the United States to Indians because of their
status as Indians.
“(3) The term ‘culturally connected location’ means a location or place that has demonstrable significance to Indians or Alaska Natives based on its association with the traditional beliefs, customs, and practices of a living community, including locations or places where religious, ceremonial, subsistence, medicinal, economic, or other lifeways practices have historically taken place.”.

(b) Table of Sections Amendment.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2711 the following new item:

“2712. Native American lands environmental mitigation program.”.

SEC. 2834. DEFENSE COMMUNITY INFRASTRUCTURE PILOT PROGRAM.

Section 2391 of title 10, United States Code, is amended—

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

(2) by inserting after subsection (c) the following new subsection:

“(d) Defense Community Infrastructure Pilot Program.—(1) The Secretary of Defense may make grants, conclude cooperative agreements, and supplement funds available under Federal programs administered by agencies other than the Department of Defense to assist State and
local governments to address deficiencies in community infrastructure supportive of a military installation, if the Secretary determines that such assistance will enhance the military value, resilience, or military family quality of life at such military installation.

“(2) The Secretary shall establish criteria for the selection of community infrastructure projects to receive assistance under paragraph (1). The criteria shall include a requirement that the State or local government agree to contribute not less than 30 percent of the funding for the community infrastructure project, unless the community infrastructure project is located in a rural area, or for reasons related to national security, in which case the Secretary may waive the requirement for a State or local government contribution.

“(3) Amounts appropriated or otherwise made available for assistance under paragraph (1) may remain available until expended.

“(4) The authority under this subsection shall expire on September 30, 2023.”; and

(3) in subsection (e), as redesignated by paragraph (1), by adding at the end the following new paragraphs:

“(4) The term ‘community infrastructure’ means any transportation project; school, hospital, police,
fire, emergency response, or other community support facility; or water, waste-water, telecommunications, electric, gas, or other utility infrastructure project that is located off of a military installation and owned by a State or local government.

“(5) The term ‘rural area’ means a city, town, or unincorporated area that has a population of not more than 20,000 inhabitants.”.

SEC. 2835. REPRESENTATION OF INSTALLATION INTERESTS IN NEGOTIATIONS AND PROCEEDINGS WITH CARRIERS AND OTHER PUBLIC UTILITIES.

Section 501(c) of title 40, United States Code, is amended—

(1) by redesignating paragraphs (1) and (2) as subparagraphs (A) and (B), respectively;

(2) by inserting “(1)” before “For transportation”; and

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

“(2) Prior to representing any installation of the Department of Defense in any proceeding under this subsection, the Administrator or any persons or entities acting on behalf of the Administrator shall—

“(A) notify the senior mission commander of the installation; and
“(B) solicit and represent the interests of the installation as determined by the installation’s senior mission commander.”.

SEC. 2836. WHITE SANDS MISSILE RANGE LAND ENHANCEMENTS.

(a) DEFINITIONS.—In this section:


(2) MILITARY MUNITIONS.—The term “military munitions” has the meaning given the term in section 101(e) of title 10, United States Code.

(3) MISSILE RANGE.—The term “missile range” means the White Sands Missile Range, New Mexico, administered by the Secretary of the Army.

(4) MONUMENT.—The term “Monument” means the White Sands National Monument, New Mexico, established by Presidential Proclamation No. 2025 (54 U.S.C. 320301 note), dated January 18, 1933, and administered by the Secretary.

(5) MUNITIONS DEBRIS.—The term “munitions debris” has the meaning given the term in volume 8 of the Department of Defense Manual Number
6055.09–M entitled “DoD Ammunitions and Explosives Safety Standards” and dated February 29, 2008 (as in effect on the date of enactment of this Act).

(6) PARK.—The term “Park” means the White Sands National Park established by subsection (b)(2)(A).


(8) SECRETARY.—The term “Secretary” means the Secretary of the Interior.

(9) STATE.—The term “State” means the State of New Mexico.

(b) WHITE SANDS NATIONAL PARK.—

(1) FINDINGS.—Congress finds that—

(A) White Sands National Monument was established on January 18, 1933, by President Herbert Hoover under chapter 3203 of title 54, United States Code (commonly known as the “Antiquities Act of 1906”);

(B) President Hoover proclaimed that the Monument was established “for the preservation of the white sands and additional features of scenic, scientific, and educational interest”;

† HR 5515 PAP
(C) the Monument was expanded by Presidents Roosevelt, Eisenhower, Carter, and Clinton in 1934, 1942, 1953, 1978, and 1996, respectively;

(D) the Monument contains a substantially more diverse set of nationally significant historical, archaeological, scientific, and natural resources than were known of at the time the Monument was established, including a number of recent discoveries;

(E) the Monument is recognized as a major unit of the National Park System with extraordinary values enjoyed by more visitors each year since 1995 than any other unit in the State;

(F) the Monument contributes significantly to the local economy by attracting tourists; and

(G) designation of the Monument as a national park would increase public recognition of the diverse array of nationally significant resources at the Monument and visitation to the unit.

(2) Establishment of White Sands National Park.—

(A) Establishment.—To protect, preserve, and restore its scenic, scientific, educational,
natural, geological, historical, cultural, archaeological, paleontological, hydrological, fish, wildlife, and recreational values and to enhance visitor experiences, there is established in the State the White Sands National Park as a unit of the National Park System.

(B) ABOLISHMENT OF WHITE SANDS NATIONAL MONUMENT.—

(i) ABOLISHMENT.—Due to the establishment of the Park, the Monument is abolished.

(ii) INCORPORATION.—The land and interests in land that comprise the Monument are incorporated in, and shall be considered to be part of, the Park.

(C) REFERENCES.—Any reference in a law, map, regulation, document, paper, or other record of the United States to the “White Sands National Monument” shall be considered to be a reference to the “White Sands National Park”.

(D) AVAILABILITY OF FUNDS.—Any funds available for the Monument shall be available for the Park.

(E) ADMINISTRATION.—The Secretary shall administer the Park in accordance with—
(i) this subsection; and

(ii) the laws generally applicable to units of the National Park System, including section 100101(a), chapter 1003, sections 100751(a), 100752, 100753, and 102101, and chapter 3201 of title 54, United States Code.

(F) WORLD HERITAGE LIST NOMINATION.—

(i) COUNTY CONCURRENCE.—The Secretary shall not submit a nomination for the Park to be included on the World Heritage List of the United Nations Educational, Scientific and Cultural Organization unless each county in which the Park is located concurs in the nomination.

(ii) ARMY NOTIFICATION.—Before submitting a nomination for the Park to be included on the World Heritage List of the United Nations Educational, Scientific and Cultural Organization, the Secretary shall notify the Secretary of the Army of the intent of the Secretary to nominate the Park.

(G) EFFECT.—Nothing in this paragraph affects—
(i) valid existing rights (including water rights);
(ii) permits or contracts issued by the Monument;
(iii) existing agreements, including agreements with the Department of Defense;
(iv) the jurisdiction of the Department of Defense regarding the restricted airspace above the Park; or
(v) the airshed classification of the Park under the Clean Air Act (42 U.S.C. 7401 et seq.).

(c) MODIFICATION OF BOUNDARIES OF WHITE SANDS NATIONAL PARK AND WHITE SANDS MISSILE RANGE.—

(1) Transfers of Administrative Jurisdiction.—

(A) Transfer of Administrative Jurisdiction to the Secretary.—

(i) In general.—Administrative jurisdiction over the land described in clause (ii) is transferred from the Secretary of the Army to the Secretary.

(ii) Description of land.—The land referred to in clause (i) is—
(I) the approximately 2,826 acres of land identified as “To NPS, lands inside current boundary” on the Map; and

(II) the approximately 5,766 acres of land identified as “To NPS, new additions” on the Map.

(B) TRANSFER OF ADMINISTRATIVE JURISDICTION TO THE SECRETARY OF THE ARMY.—

(i) IN GENERAL.—Administrative jurisdiction over the land described in clause (ii) is transferred from the Secretary to the Secretary of the Army.

(ii) DESCRIPTION OF LAND.—The land referred to in clause (i) is the approximately 3,737 acres of land identified as “To DOA” on the Map.

(2) BOUNDARY MODIFICATIONS.—

(A) PARK.—

(i) IN GENERAL.—The boundary of the Park is revised to reflect the boundary depicted on the Map.

(ii) MAP.—

(I) IN GENERAL.—The Secretary, in coordination with the Secretary of
the Army, shall prepare and keep on file for public inspection in the appropriate office of the Secretary a map and a legal description of the revised boundary of the Park.

(II) EFFECT.—The map and legal description under subclause (I) shall have the same force and effect as if included in this section, except that the Secretary may correct clerical and typographical errors in the map and legal description.

(iii) BOUNDARY SURVEY.—As soon as practicable after the date of the establishment of the Park and subject to the availability of funds, the Secretary shall complete an official boundary survey of the Park.

(B) MISSILE RANGE.—

(i) IN GENERAL.—The boundary of the missile range and the Public Land Order are modified to exclude the land transferred to the Secretary under paragraph (1)(A) and to include the land transferred to the
Secretary of the Army under paragraph (1)(B).

(ii) Map.—The Secretary shall prepare a map and legal description depicting the revised boundary of the missile range.

(C) CONFORMING AMENDMENT.—Section 2854 of Public Law 104–201 (54 U.S.C. 320301 note) is repealed.

(3) ADMINISTRATION.—

(A) PARK.—The Secretary shall administer the land transferred under paragraph (1)(A) in accordance with laws (including regulations) applicable to the Park.

(B) MISSILE RANGE.—Subject to subparagraph (C), the Secretary of the Army shall administer the land transferred to the Secretary of the Army under paragraph (1)(B) as part of the missile range.

(C) INFRASTRUCTURE; RESOURCE MANAGEMENT.—

(i) RANGE ROAD 7.—

(I) INFRASTRUCTURE MANAGEMENT.—To the maximum extent practicable, in planning, constructing, and managing infrastructure on the land
described in subclause (III), the Secretary of the Army shall apply low-impact development techniques and strategies to prevent impacts within the missile range and the Park from stormwater runoff from the land described in that subclause.

(II) Resource Management.—

The Secretary of the Army shall—

(aa) manage the land described in subclause (III) in a manner consistent with the protection of natural and cultural resources within the missile range and the Park and in accordance with section 101(a)(1)(B) of the Sikes Act (16 U.S.C. 670a(a)(1)(B)), division A of subtitle III of title 54, United States Code, and the Native American Graves Protection and Repatriation Act (25 U.S.C. 3001 et seq.); and

(bb) include the land described in subclause (III) in the
integrated natural and cultural resource management plan for the missile range.

(III) Description of Land.—The land referred to in subclauses (I) and (II) is the land that is transferred to the administrative jurisdiction of the Secretary of the Army under paragraph (1)(B) and located in the area east of Range Road 7 in—

(aa) T. 17 S., R. 5 E., sec. 31;

(bb) T. 18 S., R. 5 E.; and

(cc) T. 19 S., R. 5 E., sec. 5.

(ii) Fence.—

(I) In General.—The Secretary of the Army shall continue to allow the Secretary to maintain the fence shown on the Map until such time as the Secretary determines that the fence is unnecessary for the management of the Park.

(II) Removal.—If the Secretary determines that the fence is unnecessary for the management of the Park
under subclause (I), the Secretary shall promptly remove the fence at the expense of the Department of the Interior.

(D) Research.—The Secretary of the Army and the Secretary may enter into an agreement to allow the Secretary to conduct certain research in the area identified as “Cooperative Use Research Area” on the Map.

(E) Military Munitions and Munitions Debris.—

(i) Response Action.—With respect to any Federal liability, the Secretary of the Army shall remain responsible for any response action addressing military munitions or munitions debris on the land transferred under paragraph (1)(A) to the same extent as on the day before the date of enactment of this Act.

(ii) Investigation of Military Munitions and Munitions Debris.—

(I) In General.—The Secretary may request that the Secretary of the Army conduct 1 or more investigations of military munitions or munitions de-
bris on any land transferred under paragraph (1)(A).

(II) ACCESS.—The Secretary shall give access to the Secretary of the Army to the land covered by a request under subclause (I) for the purposes of conducting the 1 or more investigations under that subclause.

(III) LIMITATION.—An investigation conducted under this clause shall be subject to available appropriations.

(iii) APPLICABLE LAW.—Any activities undertaken under this subparagraph shall be carried out in accordance with—

(I) the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601 et seq.);

(II) the purposes for which the Park was established; and

(III) any other applicable law.

SEC. 2837. AUTHORITY TO TRANSFER FUNDS FOR CONSTRUCTION OF INDIAN RIVER BRIDGE.

Notwithstanding the limitation in section 2215 of title 10, United States Code, the Secretary of Defense may trans-
fer to the Administrator of the National Aeronautics and Space Administration up to 50 percent of the shared costs of constructing the Indian River Bridge. The authority under this section shall expire on October 1, 2022.

TITLE XXIX—OVERSEAS CONTINGENCY OPERATIONS MILITARY CONSTRUCTION

SEC. 2901. AUTHORIZED ARMY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of the Army may acquire real property and carry out the military construction projects for the installation outside the United States, and in the amount, set forth in the following table:

Army: Outside the United States

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulgaria</td>
<td>Nevo Selo FOS</td>
<td>$5,200,000</td>
</tr>
<tr>
<td>Poland</td>
<td>Drawsko Pomorski Training Area</td>
<td>$17,000,000</td>
</tr>
<tr>
<td></td>
<td>Powidz Air Base</td>
<td>$87,000,000</td>
</tr>
<tr>
<td></td>
<td>Zagor Training Area</td>
<td>$40,400,000</td>
</tr>
<tr>
<td>Romania</td>
<td>Mihail Kogalniceanu FOS</td>
<td>$21,651,000</td>
</tr>
</tbody>
</table>

SEC. 2902. AUTHORIZED NAVY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of the Navy may acquire real property and carry out the military construction projects for the installations outside the United States, and in the amounts, set forth in the following table:

Navy: Outside the United States

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greece</td>
<td>Souda Bay</td>
<td>$47,850,000</td>
</tr>
<tr>
<td>Italy</td>
<td>Sigonella</td>
<td>$66,050,000</td>
</tr>
</tbody>
</table>
Navy: Outside the United States—Continued

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spain</td>
<td>Rota</td>
<td>$21,590,000</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Lossiemouth</td>
<td>$79,130,000</td>
</tr>
</tbody>
</table>

SEC. 2903. AUTHORIZED AIR FORCE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of the Air Force may acquire real property and carry out the military construction projects for the installations outside the United States, and in the amounts, set forth in the following table:

**Air Force: Outside the United States**

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>Ramstein Air Base</td>
<td>$119,000,000</td>
</tr>
<tr>
<td>Norway</td>
<td>Rygge</td>
<td>$13,800,000</td>
</tr>
<tr>
<td>Slovakia</td>
<td>Malacky</td>
<td>$59,000,000</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>RAF Fairford</td>
<td>$106,000,000</td>
</tr>
</tbody>
</table>

SEC. 2904. AUTHORIZED DEFENSE AGENCIES CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of Defense may acquire real property and carry out the military construction projects for the installations outside the United States, and in the amounts, set forth in the following table:

**Defense Agencies: Outside the United States**

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estonia</td>
<td>Unspecified</td>
<td>$15,700,000</td>
</tr>
<tr>
<td>Qatar</td>
<td>Al Udeid</td>
<td>$60,000,000</td>
</tr>
</tbody>
</table>

SEC. 2905. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for the military construction projects outside the United States author-
DIVISION C—DEPARTMENT OF ENERGY NATIONAL SECURITY AUTHORIZATIONS AND OTHER AUTHORIZATIONS
TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
Subtitle A—National Security Programs and Authorizations

SEC. 3101. NATIONAL NUCLEAR SECURITY ADMINISTRATION.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2019 for the activities of the National Nuclear Security Administration in carrying out programs as specified in the funding table in section 4701.

(b) Authorization of New Plant Projects.—From funds referred to in subsection (a) that are available for carrying out plant projects, the Secretary of Energy may carry out new plant projects for the National Nuclear Security Administration as follows:


SEC. 3102. DEFENSE ENVIRONMENTAL CLEANUP.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2019 for defense environmental cleanup activities in carrying out programs as specified in the funding table in section 4701.

SEC. 3103. OTHER DEFENSE ACTIVITIES.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2019 for other defense activities in carrying out programs as specified in the funding table in section 4701.

SEC. 3104. NUCLEAR ENERGY.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2019 for nuclear energy as specified in the funding table in section 4701.
Subtitle B—Program Authorizations, Restrictions, and Limitations

SEC. 3111. CLARIFICATION OF ROLES AND AUTHORITIES OF NATIONAL NUCLEAR SECURITY ADMINISTRATION.

(a) Amendments to Department of Energy Organization Act.—

(1) Under secretary for nuclear security.—Section 202(c)(3) of the Department of Energy Organization Act (42 U.S.C. 7132(c)(3)) is amended by striking “Act.” and all that follows through “may be delegated” and inserting the following: “Act (50 U.S.C. 2402). In carrying out the functions of the Administrator, the Under Secretary shall be subject to the authority of the Secretary in accordance with section 3219 of that Act (50 U.S.C. 2409). Such authority may be delegated”.

(2) Establishment of policy.—Section 213 of the Department of Energy Organization Act (42 U.S.C. 7144) is amended—

(A) in subsection (a), by inserting “, acting through the Under Secretary for Nuclear Security,” after “The Secretary”;

(B) in subsection (b)—
(i) by striking “programs and activities of the Administration” and inserting
“regulations, policies, and activities of the Administration with respect to health and
safety”; and

(ii) by striking “those programs and activities” and inserting “those regulations,
policies, and activities”; and

(C) by striking subsection (c).

(b) AMENDMENTS TO NATIONAL NUCLEAR SECURITY ADMINISTRATION ACT.—

(1) ADMINISTRATOR FOR NUCLEAR SECURITY.—

Section 3212 of the National Nuclear Security Administration Act (50 U.S.C. 2402) is amended—

(A) in subsection (b)—

(i) in the matter preceding paragraph

(1), by striking “and activities” and inserting “, policies, regulations, and rules”; and

(ii) in paragraph (9), by striking the end period and inserting “, subject to the
policies of the Department of Energy.”; and

(B) in subsection (d)—

(i) by striking “may” and inserting

“shall”; and
(ii) by striking “, unless disapproved by the Secretary of Energy” and inserting “to carry out the mission and functions of the Administration, except as provided by section 3219”.

(2) GENERAL COUNSEL.—Section 3217 of the National Nuclear Security Administration Act (50 U.S.C. 2407) is amended—

(A) by striking “There is” and inserting the following:

“(a) IN GENERAL.—There is”;

(B) by striking the end period and inserting “and shall report to the Administrator.”; and

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

“(b) AVOIDANCE OF COORDINATION AND DUPLICATION.—The General Counsel shall be independent from and may not duplicate the efforts of the General Counsel of the Department of Energy appointed under section 202(e) of the Department of Energy Organization Act (42 U.S.C. 7132(e)).”.

(3) STAFF.—Section 3218 of the National Nuclear Security Administration Act (50 U.S.C. 2408) is amended by adding at the end the following new subsections:
“(c) Reporting.—The staff of the Administration shall report to the Administrator through the appropriate structures of the Administration.

“(d) Avoidance of Coordination and Duplication.—The staff of the Administration performing functions specified in subsection (b) shall be independent from and may not duplicate the efforts of staff of elements of the Department of Energy other than the Administration that perform functions similar to the functions specified in subsection (b).

“(e) Applicability of Prohibition on Dual Office Holding.—The prohibition under section 3220(d) shall apply to staff of the Administration performing functions specified in subsection (b).”.

(4) Authority of Secretary.—

(A) In general.—Section 3219 of the National Nuclear Security Administration Act (50 U.S.C. 2409) is amended—

(i) in the section heading, by striking “TO MODIFY ORGANIZATION OF” and inserting “WITH RESPECT TO”;

(ii) by striking “Notwithstanding” and inserting the following:
“(a) IN GENERAL.—(1) The Secretary of Energy, acting through the Administrator, shall be responsible for setting broad priorities for the Administration.

“(2) The Secretary may disapprove any action, policy, regulation, or rule of the Administrator if—

“(A) the Secretary submits to the congressional defense committees justification for such disapproval; and

“(B) a period of 15 days has elapsed following the date on which such justification was submitted.

“(3) Except as provided by this section, the Administrator shall have complete authority to establish and conduct oversight of policies, activities, and procedures of the Administration without direction or oversight by the Secretary.

“(4) The authority of the Secretary under paragraphs (1) and (2) may be delegated only to the Deputy Secretary of Energy, without further redelegation.

“(b) ORGANIZATION OF ADMINISTRATION.—Notwithstanding”; and

(iii) in subsection (b), as designated by clause (ii), by striking “subsection (b) or (c) of”.

(B) CLERICAL AMENDMENT.—The table of contents for the National Nuclear Security Ad-
ministration Act is amended by striking the item relating to section 3219 and inserting the following new item:

“Sec. 3219. Scope of authority of Secretary of Energy with respect to Administration.”

(5) STATUS OF PERSONNEL.—Section 3220 of the National Nuclear Security Administration Act (50 U.S.C. 2410) is amended—

(A) in subsection (a)—

(i) in paragraph (1)—

(I) by striking subparagraph (A);

and

(II) by redesignating subparagraphs (B) and (C) as subparagraphs (A) and (B), respectively; and

(ii) in paragraph (2), by striking the end period and inserting “, except as provided by section 3219.”; and

(B) in subsection (b), by striking the end period and inserting “and except as provided by section 3219.”.

(6) OFFICE OF DEFENSE NUCLEAR SECURITY.—Section 3232 of the National Nuclear Security Administration Act (50 U.S.C. 2422) is amended—
(A) in subsection (a), by striking “Secretary of Energy” and all that follows and inserting “Administrator.”; and

(B) in subsection (b)—

(i) in paragraph (1), by striking “Secretary and”;

(ii) in paragraph (2)—

(I) by striking “Secretary” and inserting “Secretary of Energy”; and

(II) by striking “Department” and inserting “Department of Energy”.

(7) COUNTERINTELLIGENCE PROGRAMS.—Section 3233 of the National Nuclear Security Administration Act (50 U.S.C. 2423) is amended—

(A) in subsection (a), by inserting “, in coordination with the Administrator,” after “Secretary of Energy”; and

(B) in subsection (b), by inserting “, in coordination with the Administrator,” after “Secretary of Energy”.

(8) AUTHORIZED PERSONNEL LEVELS.—

(A) IN GENERAL.—Section 3241A of the National Nuclear Security Administration Act (50 U.S.C. 2441a) is amended—
(i) in the section heading, by striking “AUTHORIZED” and inserting “ANNUAL REPORT ON”;

(ii) by amending subsection (a) to read as follows:

“(a) In general.—The Administrator shall include in the budget justification materials submitted to Congress in support of the budget of the Administration for each fiscal year (as submitted with the budget of the President under section 1105(a) of title 31, United States Code) a report containing the following information as of the date of the report:

“(1) The number of full-time equivalent employees of the Office of the Administrator.

“(2) The number of service support contracts of the Administration and whether such contracts are funded using program or program direction funds.

“(3) The number of full-time equivalent contractor employees working under each contract identified under paragraph (2).

“(4) The number of full-time equivalent contractor employees described in paragraph (3) that have been employed under such a contract for a period greater than two years.
“(5) With respect to each contract identified under paragraph (2)—

“(A) the cost of the contract; and

“(B) identification of the program or program direction accounts that support the contract.”;

(iii) by striking subsection (c);

(iv) by redesignating subsections (d) and (e) as subsections (c) and (d), respectively; and

(v) by striking subsection (f).

(B) CLERICAL AMENDMENT.—The table of contents for the National Nuclear Security Administration Act is amended by striking the item relating to section 3241A and inserting the following new item:

“Sec. 3241A. Annual report on personnel levels of the Office of the Administrator.”.

(9) COMPLIANCE WITH FEDERAL ACQUISITION REGULATION.—Section 3262 of the National Nuclear Security Administration Act (50 U.S.C. 2462) is amended—

(A) by striking “The Administrator” and inserting the following:

“(a) IN GENERAL.—The Administrator”;
(B) by inserting “specific to the Administration” after “procedures”; and

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

“(b) REQUIREMENT FOR PROCEDURES.—The procedures established under subsection (a) shall be separate from procedures applied to elements of the Department of Energy other than the Administration.”.

(10) DEFINITIONS.—Section 3281(2)(A) of the National Nuclear Security Administration Act (50 U.S.C. 2471(2)(A)) is amended by striking “Plant” and inserting “National Security Campus”.

(c) AMENDMENTS TO ATOMIC ENERGY DEFENSE ACT.—

(1) DEFINITIONS.—Section 4002(9)(A) of the Atomic Energy Defense Act (50 U.S.C. 2501(9)(A)) is amended striking “Plant” and inserting “National Security Campus”.

(2) STOCKPILE STEWARDSHIP PROGRAM.—Section 4201(a) of the Atomic Energy Defense Act (50 U.S.C. 2521(a)) is amended by striking “The Secretary, acting through the Administrator,” and inserting “The Administrator”.
(3) STOCKPILE STEWARDSHIP CRITERIA.—Section 4202 of the Atomic Energy Defense Act (50 U.S.C. 2522) is amended—

(A) in subsection (a)—

(i) by striking “Secretary of Energy” and inserting “Administrator”; and

(ii) by striking “Department of Energy” and inserting “Administration”; and

(B) in subsection (b)—

(i) in the subsection heading, by striking “SECRETARY” and inserting “DEPARTMENT”;

(ii) by striking “Secretary of Energy” and inserting “Administrator”; and

(iii) by striking “Secretary of Defense” and inserting “Chairman of the Nuclear Weapons Council”.

(4) STOCKPILE STEWARDSHIP, MANAGEMENT, AND RESPONSIVENESS PLAN.—Section 4203 of the Atomic Energy Defense Act (50 U.S.C. 2523) is amended—

(A) in subsection (d)(4)(A)(ii), by striking “quadrennial defense review if such strategy has not been submitted as of the date of the plan” and inserting “national defense strategy”;
(B) in subsection (e)(1)(A)(i), by striking “or the most recent quadrennial defense review, as applicable under subsection (d)(4)(A), and the” and inserting “, the national defense strategy, and the most recent”; and

(C) in subsection (f)—

(i) by striking paragraph (4);

(ii) by redesignating paragraph (3) as paragraph (4); and

(iii) by inserting after paragraph (2) the following new paragraph (3):

“(3) The term ‘national defense strategy’ means the review of the defense programs and policies of the United States that is carried out every four years under section 113(g) of title 10, United States Code.”.

(5) STOCKPILE MANAGEMENT PROGRAM.—Section 4204 of the Atomic Energy Defense Act (50 U.S.C. 2524) is amended—

(A) in subsection (a), in the matter preceding paragraph (1), by striking “Secretary of Energy, acting through the Administrator and in consultation with the Secretary of Defense” and inserting “Administrator, in consultation with the Nuclear Weapons Council”; and
(B) in subsection (b), in the matter preceding paragraph (1), by striking “Secretary of Energy” and inserting “Administrator”.

(6) Nuclear test ban readiness program.—
Section 4207 of the Atomic Energy Defense Act (50 U.S.C. 2527) is amended, in subsections (a) and (c), by striking “Secretary of Energy” and inserting “Administrator”.

(7) Requirements for specific request for new or modified nuclear weapons.—Section 4209 of the Atomic Energy Defense Act (50 U.S.C. 2529) is amended—

(A) in subsection (a)(1)—

(i) by striking “Secretary of Energy” and inserting “Administrator”;

(ii) by striking “Secretary” and inserting “Administrator”; and

(iii) by striking “in the budget” and all that follows and inserting “in the budget justification materials submitted to Congress in support of the Department of Energy budget for that fiscal year (as submitted with the budget of the President under section 1105(a) of title 31, United States Code).”;

† HR 5515 PAP
(B) in subsection (b), by striking “The Secretary shall include in a request for funds under subsection (a)” and inserting “A request for funds under subsection (a) shall include”; and

(C) in subsection (c), by striking “Secretary” and inserting “Secretary of Energy”.

(8) Manufacturing Infrastructure for Nuclear Weapons Stockpile.—Section 4212 of the Atomic Energy Defense Act (50 U.S.C. 2532) is amended—

(A) in subsection (a)(1), in the matter preceding subparagraph (A)—

(i) by striking “Secretary of Energy” and inserting “Administrator”; and

(ii) by inserting “most recent” before “Nuclear Posture Review”; and

(B) in subsection (b)—

(i) in paragraph (2), by striking “Plant” and inserting “National Security Complex”; and

(ii) in paragraph (4), by striking “Plant” and inserting “National Security Campus”.

(9) Reports on Life Extension Programs.—
† HR 5515 PAP

(A) IN GENERAL.—Section 4216 of the Atomic Energy Defense Act (50 U.S.C. 2536) is amended—

(i) in the section heading, by striking “LIFETIME” and inserting “LIFE”; and

(ii) by striking “lifetime” each place it appears and inserting “life”.

(B) CLERICAL AMENDMENT.—The table of contents for the Atomic Energy Defense Act is amended by striking the item relating to section 4216 and inserting the following new item:

“Sec. 4216. Reports on life extension programs.”.

(10) SELECTED ACQUISITION REPORTS.—Section 4217 of the Atomic Energy Defense Act (50 U.S.C. 2537) is amended—

(A) in subsection (a)(1), by striking “the Secretary of Energy, acting through the Administrator,” and inserting “the Administrator”; and

(B) in subsection (b)—

(i) in paragraph (1), in the matter preceding subparagraph (A), by striking “Secretary of Energy, acting through the Administrator,” and inserting “Administrator”; and
(ii) in paragraph (2)(B), by striking “the Secretary or”.

(11) ADVICE ON SAFETY, SECURITY, AND RELIABILITY OF NUCLEAR WEAPONS STOCKPILE.—Section 4218 of the Atomic Energy Defense Act (50 U.S.C. 2538) is amended—

(A) in subsection (d), by striking “or the Commander of the United States Strategic Command”; and

(B) in subsection (e)—

(i) by striking “a member of the Nuclear Weapons Council, or the Commander of the United States Strategic Command” and inserting “or a member of the Nuclear Weapons Council”; and

(ii) by striking “member, or Commander” and inserting “or member”.

(12) STOCKPILE RESPONSIVENESS PLAN.—Section 4220(b) of the Atomic Energy Defense Act (50 U.S.C. 2538b(b)) is amended—

(A) by striking “Secretary of Energy, acting through the Administrator and” and inserting “Administrator,”; and

(B) by striking “Secretary of Defense” and inserting “Nuclear Weapons Council”.

† HR 5515 PAP
(13) TRITIUM PRODUCTION PROGRAM.—Section 4231 of the Atomic Energy Defense Act (50 U.S.C. 2541) is amended—

(A) in subsection (a), by striking “Secretary of Energy” and inserting “Administrator”; and

(B) in subsections (b) and (c), by striking “Secretary” and inserting “Administrator”.

(14) MODERNIZATION AND CONSOLIDATION OF TRITIUM RECYCLING FACILITIES.—Section 4234 of the Atomic Energy Defense Act (50 U.S.C. 2544) is amended, in the matter preceding paragraph (1), by striking “Secretary of Energy” and inserting “Administrator”.

(15) PROCEDURES FOR MEETING TRITIUM PRODUCTION REQUIREMENTS.—Section 4235 of the Atomic Energy Defense Act (50 U.S.C. 2545) is amended—

(A) in subsection (a), by striking “Secretary of Energy” and inserting “Administrator”; 

(B) in subsection (b), by striking “Secretary” and inserting “Administrator”; and

(C) by striking subsection (c).

(16) CERTIFICATION OF STATUS OF SECURITY OF FACILITIES.—Section 4506 of the Atomic Energy Defense Act (50 U.S.C. 2657) is amended—

(A) in subsection (a)—
(i) in paragraph (1)—

(I) in the matter preceding subparagraph (A)—

(aa) by striking “September 30” and inserting “December 31”; and

(bb) by striking “Secretary of Energy” and inserting “congressional defense committees”; and

(II) in subparagraph (B), by striking “and the Department of Energy”; and

(ii) in paragraph (2), by striking “to the Secretary”; and

(iii) by striking paragraph (3); and

(B) in subsection (b)(1), in the matter preceding subparagraph (A), by striking “December 1 of each even-numbered year, the Secretary” and inserting “December 31 of each even-numbered year, the Secretary of Energy”.

(17) CERTIFICATES OF COMMENDATION FOR EXEMPLARY SERVICE.—

(A) IN GENERAL.—Section 4605 of the Atomic Energy Defense Act (50 U.S.C. 2705) is amended—
(i) in the section heading, by striking “DEPARTMENT OF ENERGY” and inserting “ADMINISTRATION”;

(ii) in subsection (a)—

(I) by striking “Department of Energy” and inserting “Administration”;

(II) by striking “a Department” and inserting “an Administration”; and

(III) by striking “the Department” each place it appears and inserting “the Administration”; and

(iii) in subsection (c)—

(I) in the subsection heading, by striking “DEPARTMENT OF ENERGY” and inserting “ADMINISTRATION”; and

(II) by striking “Department of Energy” each place it appears and inserting “Administration”.

(B) CLERICAL AMENDMENT.—The table of contents for the Atomic Energy Defense Act is amended by striking the item relating to section 4605 and inserting the following:

“Sec. 4605. Authority to provide certificate of commendation to Administration and contractor employees for exemplary service in stockpile stewardship and security.”.
† HR 5515 PAP

(18) EXECUTIVE MANAGEMENT TRAINING.—Section 4621 of the Atomic Energy Defense Act (50 U.S.C. 2721) is amended—

(A) in subsection (a)—

(i) by inserting “and the Administrator” after “Secretary of Energy”; and

(ii) by inserting “and the Administration” after “Department of Energy”; and

(B) in subsection (b)(1), by inserting “and Administration” after “Department of Energy”.

(19) STOCKPILE STEWARDSHIP RECRUITMENT AND TRAINING PROGRAM.—Section 4622 of the Atomic Energy Defense Act (50 U.S.C. 2722) is amended—

(A) in subsection (a), by striking “Secretary of Energy” and inserting “Administrator”; and

(B) in subsection (c), by striking “Secretary” and inserting “Administrator”.

(20) FELLOWSHIP PROGRAM.—Section 4623 of the Atomic Energy Defense Act (50 U.S.C. 2723) is amended—

(A) in subsection (a)—

(i) by striking “Secretary of Energy” and inserting “Administrator”; and

(ii) by striking “Secretary” and inserting “Administrator”;
(B) in subsection (b)(1), by striking “Department of Energy” and inserting “Administration”;

(C) in subsections (c) and (d), by striking “Secretary” and inserting “Administrator”;

(D) in subsection (e), by striking “Secretary” and all that follows through “Defense Programs,” and inserting “Administrator shall”; and

(E) in subsection (f)—

(i) in paragraph (1), by striking “Secretary” and inserting “Administrator”; and

(ii) in paragraph (2), by striking “Secretary of Energy” and inserting “Administrator”.

(21) TRANSFER OF WEAPONS ACTIVITIES FUND.—Section 4711 of the Atomic Energy Defense Act (50 U.S.C. 2751) is amended—

(A) in subsection (a)—

(i) by striking “Secretary of Energy” and inserting “Administrator”; and

(ii) by striking “Department of Energy” and inserting “Administration”;
(B) in subsection (d), by striking “Secretary, acting through the Administrator,” and inserting “Administrator”; and

(C) in subsection (e)(1)—

(i) by striking “Department of Energy” and inserting “Administration”; and

(ii) by striking “Department” and inserting “Administration”.

(22) Notification of Cost Overruns.—Section 4713(c)(2)(B) of the Atomic Energy Defense Act (50 U.S.C. 2753(c)(2)(B)) is amended by inserting “or the Administration” after “Department of Energy”.

(23) Life-Cycle Cost Estimates.—Section 4714(a) of the Atomic Energy Defense Act (50 U.S.C. 2754(a)) is amended—

(A) by striking “413.3” and inserting “413.3B”; and

(B) by inserting “, or a successor order,” after “assets)”.

(24) Unfunded Priorities.—

(A) In General.—Section 4716 of the Atomic Energy Defense Act (50 U.S.C. 2756) is amended in the section heading by striking “NA-
TIONAL NUCLEAR SECURITY ADMINISTRATION” and inserting “ADMINISTRATION”.

(B) CLERICAL AMENDMENT.—The table of contents for the Atomic Energy Defense Act is amended by striking the item relating to section 4716 and inserting the following new item:

“Sec. 4716. Unfunded priorities of the Administration.”.

(25) REVIEWS OF CAPITAL ASSETS ACQUISITION PROJECTS.—Section 4733(d)(3)(B) of the Atomic Energy Defense Act (50 U.S.C. 2773(d)(3)(B)) is amended by striking “413.3” and inserting “413.3B”.

(26) LABORATORY-DIRECTED RESEARCH AND DEVELOPMENT PROGRAMS.—Section 4811 of the Atomic Energy Defense Act (50 U.S.C. 2791) is amended—

(A) in subsection (a), by inserting “or the Administration” after “Department of Energy”;

(B) in subsection (b)—

(i) by striking “The Secretary” and inserting “(1) Except as provided by paragraph (2), the Secretary”;

(ii) by striking “such laboratories” and inserting “government-owned, contractor-operated laboratories funded out of funds available to the Department of Energy”;

and
(iii) by adding at the end the following new paragraph:

“(2) The Administrator shall prescribe regulations for the conduct of laboratory-directed research and development at government-owned, contractor-operated laboratories funded out of funds available to the Administration.”; and

(C) in subsection (c)—

(i) by inserting “or the Administrator” after “Department of Energy”; and

(ii) by inserting “or the Administrator, as applicable,” after “Secretary”.

(27) REPORT ON USE OF FUNDS FOR RESEARCH AND DEVELOPMENT.—Section 4812A of the Atomic Energy Defense Act (50 U.S.C. 2793) is amended—

(A) in subsection (a)—

(i) in the subsection heading, by striking “REQUIRED” and inserting “OF SECRETARY OF ENERGY”; and

(ii) in the second sentence, by striking “national security mission of the Department of Energy” and inserting “defense environmental cleanup and other defense missions of the Department of Energy (other than the national security mission of the Administration)”;

† HR 5515 PAP
1029

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

(C) by inserting after subsection (a) the fol-

lowing new subsection (b):

“(b) REPORT OF ADMINISTRATOR.—The Adminis-
trator shall submit to the congressional defense committees,
with the report of the Secretary required by subsection (a),
a report on the funds expended during the preceding fiscal
year on activities under the laboratory-directed research
and development program of the Administration. The pur-
pose of the report is to permit an assessment of the extent
to which such activities support the national security mis-
sion of the Administration.”.

SEC. 3112. NATIONAL NUCLEAR SECURITY ADMINISTRA-
TION PERSONNEL SYSTEM.

(a) IN GENERAL.—Subtitle C of the National Nuclear
Security Administration Act (50 U.S.C. 2441 et seq.) is
amended by adding at the end the following new section:

“SEC. 3248. ALTERNATIVE PERSONNEL SYSTEM.

“(a) IN GENERAL.—The Administrator may adapt the
pay banding and performance-based pay adjustment dem-

onstration project carried out by the Administration under
the authority provided by section 4703 of title 5, United
States Code, into a permanent alternative personnel system
for the Administration (to be known as the ‘National Nu-
clear Security Administration Personnel System’) and im-
plement that system with respect to employees of the Ad-
ministration.

“(b) MODIFICATIONS.—In adapting the demonstration
project described in subsection (a) into a permanent alter-
native personnel system, the Administrator—

“(1) may, subject to paragraph (2), revise the re-
quirements and limitations of the demonstration
project to the extent necessary; and

“(2) shall—

“(A) ensure that the permanent alternative
personnel system is carried out in a manner con-
sistent with the final plan for the demonstration
project published in the Federal Register on De-
cember 21, 2007 (72 Fed. Reg. 72776);

“(B) ensure that significant changes in the
system not take effect until revisions to the plan
for the demonstration project are approved by
the Office of Personnel Management and pub-
lished in the Federal Register;

“(C) ensure that procedural modifications
or clarifications to the final plan for the dem-
onstration project be made through local notifi-
cation processes;
“(D) authorize, and establish incentives for, employees of the Administration to have rotational assignments among different programs of the Administration, the headquarters and field offices of the Administration, and the management and operating contractors of the Administration; and

“(E) establish requirements for employees of the Administration who are in the permanent alternative personnel system described in subsection (a) to be promoted to senior-level positions in the Administration, including requirements with respect to—

“(i) professional training and continuing education; and

“(ii) a certain number and types of rotational assignments under subparagraph (D), as determined by the Administrator.

“(c) Application to Naval Nuclear Propulsion Program.—The Director of the Naval Nuclear Propulsion Program established pursuant to section 4101 of the Atomic Energy Defense Act (50 U.S.C. 2511) and section 3216 of this Act may, with the concurrence of the Secretary of the Navy, apply the alternative personnel system under subsection (a) to—
“(1) all employees of the Naval Nuclear Propulsion Program in the competitive service (as defined in section 2102 of title 5, United States Code); and

“(2) all employees of the Department of Navy who are assigned to the Naval Nuclear Propulsion Program and are in the excepted service (as defined in section 2103 of title 5, United States Code) (other than such employees in statutory excepted service systems).”.

(b) BRIEFING.—

(1) In general.—Not later than 180 days after the date of the enactment of this Act, the Administrator for Nuclear Security shall provide a briefing to the appropriate congressional committees on the implementation of section 3248 of the National Nuclear Security Administration Act, as added by subsection (a).

(2) Appropriate congressional committees defined.—In this subsection, the term “appropriate congressional committees” means—

(A) the congressional defense committees;

(B) the Committee on Energy and Natural Resources of the Senate and the Committee on Energy and Commerce of the House of Representatives; and
(C) the Committee on Homeland Security and Governmental Affairs of the Senate and the Committee on Oversight and Government Reform of the House of Representatives.

(c) CONFORMING AMENDMENTS.—Section 3116 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended—

(1) by striking subsection (a);

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

(3) in paragraph (1) of subsection (c), as so redesignated—

(A) in subparagraph (A), by striking “implementation of” and all that follows through “subsection (b)” and inserting “implementation of subsection (a)”;

(B) in subparagraph (B), by striking “subsection (c)” and inserting “subsection (b)”.

(d) CLERICAL AMENDMENT.—The table of contents for the National Nuclear Security Administration Act is amended by inserting after the item relating to section 3247 the following new item:

"Sec. 3248. Alternative personnel system.".
SEC. 3113. AMENDMENTS TO THE ATOMIC ENERGY ACT OF 1954.

(a) Consultations.—Section 57 b.(2) of the Atomic Energy Act of 1954 (42 U.S.C. 2077(b)(2)) is amended by inserting after “the Department of Defense.” the following: “The Department of State, the Nuclear Regulatory Commission, the Department of Commerce, and the Department of Defense shall submit to the Secretary of Energy their comments on the determination of the Secretary under the previous sentence and any information and analysis needed to support their positions.”.

(b) Delegation of Functions.—Section 161 of the Atomic Energy Act of 1954 (42 U.S.C. 2201) is amended by striking subsection n. and inserting the following new subsection n.:

“n. delegate to the General Manager or other officers of the Commission—

“(1) the functions assigned to the Commission under section 57 b. on a case-by-case basis consistent with the national security interests of the United States; and

“(2) any of the other functions assigned to the Commission under this Act except those specified in section 51, 61, 108, 123, 145 b. (with respect to the determination of those persons to whom the Commis-
sion may reveal Restricted Data in the national in-
terest), 145 f., or 161 a.;”.

(c) CIVIL PENALTIES.—Section 234 a. of the Atomic
Energy Act (42 U.S.C. 2282(a)) is amended—

(1) by striking “57,”; and
(2) by striking “or (2)” and inserting “(2) vio-
lates any provision of section 57, or (3)”.

(d) REPORT.—Section 3136(e)(2) of the National De-
fense Authorization Act for Fiscal Year 2016 (42 U.S.C.
2077a(e)(2)) is amended—

(1) in subparagraph (C), by striking “; and”
and inserting a semicolon;
(2) by redesignating subparagraph (D) as sub-
paragraph (E);
(3) by inserting after subparagraph (C) the fol-
lowing new subparagraph (D):

“(D) any delegation of the functions under
such section 57 b. made under section 161 n.(1)
of that Act, including to whom such functions
were delegated;”;
(4) in subparagraph (E), as redesignated by
paragraph (2), by striking the period at the end and
inserting “; and”; and
(5) by adding at the end the following new sub-
paragraph:
“(F)(i) an explanation and justification of any determination under paragraph (2) of such section 57 b. that an authorization to transfer United States civil nuclear technology to a foreign country is not in the interest of the United States, and any conditions placed on such an authorization, including any such determination or conditions resulting from coordination with the Department of State, the Nuclear Regulatory Commission, the Department of Commerce, and the Department of Defense; and

“(ii) an explanation and justification of any extensions of the deadlines established under the procedures required by section 57 b.”.

(e) SENSE OF CONGRESS.—It is the sense of Congress that the Secretary of Energy has the authority to impose civil penalties for violations of section 57 b.(2) of the Atomic Energy Act of 1954 (42 U.S.C. 2077(b)(2)), any rule, regulation, or order issued under that section, or any term, condition, or limitation of any license or certification issued under that section.

(f) REGULATIONS.—Not later than one year after the date of the enactment of this Act, the Secretary of Energy shall—
(1) revise the regulations of the Department of Energy to reflect the authority of the Secretary to impose civil penalties for the violations described in subsection (e); or

(2) submit to Congress a report describing—

(A) why the Secretary cannot make such revisions; and

(B) what additional amendments to law would be required to enable the Secretary to do so.

SEC. 3114. EXTENSION OF ENHANCED PROCUREMENT AUTHORITY TO MANAGE SUPPLY CHAIN RISK.

Section 4806(g)(3) of the Atomic Energy Defense Act (50 U.S.C. 2786(g)(3)) is amended by striking “four” and inserting “10”.

SEC. 3115. PILOT PROGRAM ON CONDUCT BY DEPARTMENT OF ENERGY OF BACKGROUND REVIEWS FOR ACCESS BY CERTAIN INDIVIDUALS TO NATIONAL SECURITY LABORATORIES.

(a) In General.—The Secretary of Energy shall establish a pilot program to assess the feasibility and advisability of conducting background reviews required by section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)) within the Department of Energy.
(b) REQUIREMENTS.—Under the pilot program established under subsection (a), the Secretary may admit an individual described in section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)) to a facility of a national security laboratory described in that section if, in addition to the conduct of a background review under subsection (a) with respect to that individual—

(1) the Secretary determines that the admission of that individual to that facility is in the national interest and will further science, technology, and engineering capabilities in support of the mission of the Department of Energy; and

(2) a security plan is developed and implemented to mitigate the risks associated with the admission of that individual to that facility.

(c) ROLES OF SECRETARY AND DIRECTOR OF NATIONAL INTELLIGENCE AND DIRECTOR OF FEDERAL BUREAU OF INVESTIGATION.—

(1) ROLE OF SECRETARY.—Under the pilot program under subsection (a), the Secretary shall conduct background reviews for all individuals described in section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)) seeking admission to facilities of national security laboratories described in that section. Such reviews by the Secretary shall be conducted
independent of and in addition to background reviews
conducted by the Director of National Intelligence and
the Director of the Federal Bureau of Investigation
under that section.

(2) ROLES OF DIRECTOR OF NATIONAL INTELLIGENCE AND DIRECTOR OF FEDERAL BUREAU OF INVESTIGATION.—Notwithstanding paragraph (1), during the period during which the pilot program established under subsection (a) is being carried out, the Director of National Intelligence and the Director of the Federal Bureau of Investigation shall retain primary responsibility for the conduct of all background reviews required by section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)).

(d) TERMINATION.—The pilot program established under subsection (a) shall terminate on the date that is two years after the date of the enactment of this Act.

(e) REPORT REQUIRED.—Not later than 90 days after the date on which the pilot program established under subsection (a) terminates under subsection (d), the Secretary of Energy, in consultation with the Director of National Intelligence and the Director of the Federal Bureau of Investigation, shall submit to the appropriate congressional committees a report on the conduct of background reviews under the pilot program that includes—

† HR 5515 PAP
(1) a comparison of the effectiveness of and timelines required for background reviews conducted by the Secretary under the pilot program and background reviews conducted by the Director of National Intelligence and the Director of the Federal Bureau of Investigation under section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)); and

(2) the number of such reviews conducted for individuals who are citizens or agents of each country on the sensitive countries list referred to in that section.

(f) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMIT-TEES.—The term “appropriate congressional committees” means—

(A) the Committee on Armed Services and the Select Committee on Intelligence of the Senate; and

(B) the Committee on Armed Services and the Permanent Select Committee on Intelligence of the House of Representatives.

(2) NATIONAL SECURITY LABORATORY.—The term “national security laboratory” has the meaning given that term in section 4002 of the Atomic Energy Defense Act (50 U.S.C. 2501).
SEC. 3116. EXTENSION OF AUTHORITY FOR ACCEPTANCE OF CONTRIBUTIONS FOR ACCELERATION OF REMOVAL OR SECURITY OF FISSION MATERIALS, RADIOLOGICAL MATERIALS, AND RELATED EQUIPMENT AT VULNERABLE SITES WORLDWIDE.


SEC. 3117. MODIFICATION OF LIMITATION ON DEVELOPMENT OF LOW-YIELD NUCLEAR WEAPONS.

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

(1) The global posture of strategic nuclear forces has changed dramatically during the 10 years preceding the date of the enactment of this Act.

(2) The Government of the Russian Federation—

(A) is violating the Treaty between the United States of America and the Union of Soviet Socialist Republics on the Elimination of their Intermediate-Range and Shorter-Range Missiles, signed at Washington December 8, 1987, and entered into force June 1, 1988 (commonly known as the “INF Treaty”);

(B) is expanding its nuclear delivery systems beyond the limitations provided for under
the Treaty between the United States of America
and the Russian Federation on Measures for the
Further Reduction and Limitation of Strategic
Offensive Arms, signed on April 8, 2010, and en-
tered into force on February 5, 2011 (commonly
known as the “New START Treaty”); and

(C) has considerable numerical advantages
over the United States in tactical nuclear weap-
ons.

(3) Congress concurs with the findings of the
2018 Nuclear Posture Review.

(4) United States nuclear forces must adjust to
new strategic realities.

(b) Modification of Limitation.—Section 3116(c)
of the National Defense Authorization Act for Fiscal Year
note) is amended by striking “specifically authorized by
Congress” and inserting “the Secretary specifically requests
funding for the development of that weapon pursuant to sec-
tion 4209(a) of the Atomic Energy Defense Act (50 U.S.C.
2529(a))”.

SEC. 3118. PROHIBITION ON USE OF FUNDS FOR TERMIN-
ATING ACTIVITIES AT MOX FACILITY.

(a) In General.—None of the funds authorized to be
appropriated or otherwise made available for the Depart-
ment of Energy by this Act or any other Act for any fiscal
year before fiscal year 2020 may be obligated or expended—

(1) to terminate construction and project support
activities at the MOX facility; or

(2) to convert the MOX facility to be used for
any purpose other than its original mission.

(b) DEFINITIONS.—In this section, the terms “MOX fa-
cility” and “project support activities” have the meanings
given those terms in section 3121(c) of the National Defense
Authorization Act for Fiscal Year 2018 (Public Law 115–
91).

Subtitle C—Plans and Reports

SEC. 3121. MODIFICATIONS TO COST-BENEFIT ANALYSES
FOR COMPETITION OF MANAGEMENT AND OP-
ERATING CONTRACTS.

Section 3121 of the National Defense Authorization
Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat.
2175), as most recently amended by section 3135 of the Na-
tional Defense Authorization Act for Fiscal Year 2016 (Pub-
lic Law 114–92; 129 Stat. 1207), is further amended—

(1) by amending subsection (a) to read as fol-
lows:

“(a) REPORTS REQUIRED.—If the Administrator for
Nuclear Security awards a new contract to manage and
operate a facility of the National Nuclear Security Admin-
istration, the Administrator shall submit to the congressional defense committees a report described in subsection (b) with respect to the contract by not later than 30 days after the completion of the period required to transition to the contract.”;

(2) in subsection (b)(3), by inserting “, the costs of the transition to the contract from the previous contract,” after “conducting the competition”; and

(3) in subsection (d)—

(A) by amending paragraph (2) to read as follows:

“(2) COMPREHENSIVE REVIEW.—

“(A) DETERMINATION.—Except as provided in paragraph (3), the Comptroller General shall determine, in consultation with the congressional defense committees, whether to conduct a comprehensive review of a report required by subsection (a).

“(B) SUBMISSION.—The Comptroller General shall submit a comprehensive review conducted under subparagraph (A) of a report required by subsection (a) to the congressional defense committees not later than 3 years after that report is submitted to such committees.
“(C) ELEMENTS.—A comprehensive review conducted under subparagraph (A) of a report required by subsection (a) shall include an assessment, based on the most current information available, of the following:

“(i) The actual cost savings achieved compared to cost savings estimated under subsection (b)(1), and any increased costs incurred under the contract that were unexpected or uncertain at the time the contract was awarded.

“(ii) Any disruptions or delays in mission activities or deliverables resulting from the competition for the contract compared to the disruptions and delays estimated under subsection (b)(4).

“(iii) Whether expected benefits of the competition with respect to mission performance or operations have been achieved.

“(iv) Such other matters as the Comptroller General considers appropriate.”; and (B) by striking paragraph (3).
SEC. 3122. REVIEW OF DEFENSE ENVIRONMENTAL CLEAN- 
UP ACTIVITIES.

(a) IN GENERAL.—The Secretary of Energy shall enter 
into an arrangement with the National Academies of 
Sciences, Engineering, and Medicine to conduct a review 
of the defense environmental cleanup activities of the Office 
of Environmental Management of the Department of En-
ergy.

(b) ELEMENTS.—The review conducted under sub-
section (a) shall include—

(1) an assessment of—

(A) project management practices with re-
spect to the activities described in subsection (a); 

(B) the outcomes of such activities; and 

(C) the appropriateness of the level of en-
gagement and oversight of the Office of Environ-
mental Management with respect to such activi-
ties; and 

(2) recommendations with respect to actions to 
enhance the effectiveness of such activities.

SEC. 3123. SURVEY OF WORKFORCE OF NATIONAL SECU-
RITY LABORATORIES AND NUCLEAR WEAP-
ONS PRODUCTION FACILITIES.

(a) IN GENERAL.—Not later than 180 days after the 
date of the enactment of this Act, the Administrator for Nu-
clear Security shall submit to the congressional defense com-
mittees a report that includes—

    (1) a detailed proposal for a survey of the work-
force of the national security laboratories and nuclear
weapons production facilities that is modeled on the
Federal Employee Viewpoint Survey of the Office of
Personnel Management;

    (2) the determination of the Administrator with
respect to whether to implement the survey; and

    (3) if the Administrator determines not to imple-
ment the survey, a description of the reasons for that
determination.

(b) IMPLEMENTATION FACTORS.—The report required
by subsection (a) shall address factors associated with im-
plementation of the survey described in that subsection, in-
cluding—

    (1) the costs of designing the survey;

    (2) the time required for and the costs of admin-
istering the survey and analyzing the data from the
survey;

    (3) the periodicity of administering the survey to
ascertain trends; and

    (4) any other matters the Administrator con-
siders appropriate.
(c) DEFINITIONS.—In this section, the terms “national security laboratory” and “nuclear weapons production facility” have the meanings given those terms in section 4002 of the Atomic Energy Defense Act (50 U.S.C. 2501).

SEC. 3124. ELIMINATION OF CERTAIN REPORTS.

(a) REPORT OF OWNER’S AGENT ON HANFORD WASTE TREATMENT AND IMMobilIZATION PLANT CONTRACT.—Section 4446 of the Atomic Energy Defense Act (50 U.S.C. 2626) is amended—

(1) by striking subsection (d); and

(2) by redesignating subsections (e) and (f) as subsections (d) and (e), respectively.

(b) FUTURE-YEARS DEFENSE ENVIRONMENTAL MANAGEMENT PLAN.—

(1) IN GENERAL.—Section 4402A of the Atomic Energy Defense Act (50 U.S.C. 2582a) is repealed.

(2) CLERICAL AMENDMENT.—The table of contents for the Atomic Energy Defense Act is amended by striking the item relating to section 4402A.

(c) ANNUAL CERTIFICATION OF SHIPMENTS TO WASTE ISOLATION PILOT PLANT.—Section 3115 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2759) is repealed.
SEC. 3125. IMPLEMENTATION OF NUCLEAR POSTURE REVIEW BY NATIONAL NUCLEAR SECURITY ADMINISTRATION.

(a) REPORT REQUIRED.—Not later than December 1, 2018, the Administrator for Nuclear Security shall submit to the congressional defense committees a report on the implementation of the 2018 Nuclear Posture Review by the National Nuclear Security Administration.

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

(1) A list of specific actions associated with implementation of the policies set forth in the 2018 Nuclear Posture Review applicable to the National Nuclear Security Administration.

(2) For each such action—

(A) an identification of the office within the Administration with responsibility for the action; and

(B) key milestones for the action.

(3) A discussion of any challenges to successfully implementing such actions.

(4) A description of the process established for monitoring the implementation of such actions.

(5) A description of policy decisions by the Administrator that are necessary to complete the implementation of such actions.
TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

SEC. 3201. AUTHORIZATION.

There are authorized to be appropriated for fiscal year 2019, $31,243,000 for the operation of the Defense Nuclear Facilities Safety Board under chapter 21 of the Atomic Energy Act of 1954 (42 U.S.C. 2286 et seq.).

TITLE XXXV—MARITIME ADMINISTRATION

SEC. 3501. MARITIME ADMINISTRATION.

Section 109 of title 49, United States Code, is amended to read as follows:

“§ 109. Maritime Administration

“(a) ORGANIZATION AND MISSION.—The Maritime Administration is an administration in the Department of Transportation. The mission of the Maritime Administration is to foster, promote, and develop the merchant maritime industry of the United States.

“(b) MARITIME ADMINISTRATOR.—The head of the Maritime Administration is the Maritime Administrator, who is appointed by the President by and with the advice and consent of the Senate. The Administrator shall report directly to the Secretary of Transportation and carry out the duties prescribed by the Secretary.
“(c) Deputy Maritime Administrator.—The Maritime Administration shall have a Deputy Maritime Administrator, who is appointed in the competitive service by the Secretary, after consultation with the Administrator. The Deputy Administrator shall carry out the duties prescribed by the Administrator. The Deputy Administrator shall be Acting Administrator during the absence or disability of the Administrator and, unless the Secretary designates another individual, during a vacancy in the office of Administrator.

“(d) Duties and Powers Vested in Secretary.—All duties and powers of the Maritime Administration are vested in the Secretary.

“(e) Regional Offices.—The Maritime Administration shall have regional offices for the Atlantic, Gulf, Great Lakes, and Pacific port ranges, and may have other regional offices as necessary. The Secretary shall appoint a qualified individual as Director of each regional office. The Secretary shall carry out appropriate activities and programs of the Maritime Administration through the regional offices.

“(f) Interagency and Industry Relations.—The Secretary shall establish and maintain liaison with other agencies, and with representative trade organizations throughout the United States, concerned with the transpor-
tation of commodities by water in the export and import
foreign commerce of the United States, for the purpose of
securing preference to vessels of the United States for the
transportation of those commodities.

“(g) Detailing Officers from Armed Forces.—
To assist the Secretary in carrying out duties and powers
relating to the Maritime Administration, not more than
five officers of the Armed Forces may be detailed to the Sec-
retary at any one time, in addition to details authorized
by any other law. During the period of a detail, the Sec-
retary shall pay the officer an amount that, when added
to the officer’s pay and allowances as an officer in the
Armed Forces, makes the officer’s total pay and allowances
equal to the amount that would be paid to an individual
performing work the Secretary considers to be of similar
importance, difficulty, and responsibility as that performed
by the officer during the detail.

“(h) Contracts, Cooperative Agreements, and
Audits.—

“(1) Contracts and Cooperative Agree-
ments.—In the same manner that a private corpora-
tion may make a contract within the scope of its au-
thority under its charter, the Secretary may make
contracts and cooperative agreements for the United
States Government and disburse amounts to—
“(A) carry out the Secretary’s duties and powers under this section, subtitle V of title 46, and all other Maritime Administration programs; and

“(B) protect, preserve, and improve collateral held by the Secretary to secure indebtedness.

“(2) AUDITS.—The financial transactions of the Secretary under paragraph (1) shall be audited by the Comptroller General. The Comptroller General shall allow credit for an expenditure shown to be necessary because of the nature of the business activities authorized by this section or subtitle V of title 46. At least once a year, the Comptroller General shall report to Congress any departure by the Secretary from this section or subtitle V of title 46.

“(i) GRANT ADMINISTRATIVE EXPENSES.—Except as otherwise provided by law, the administrative and related expenses for the administration of any grant programs by the Maritime Administrator may not exceed 3 percent.

“(j) AUTHORIZATION OF APPROPRIATIONS.—

“(1) IN GENERAL.—Except as otherwise provided in this subsection, there are authorized to be appropriated such amounts as may be necessary to carry out the duties and powers of the Secretary relating to the Maritime Administration.
“(2) LIMITATIONS.—Only those amounts specifically authorized by law may be appropriated for the use of the Maritime Administration for—

“(A) acquisition, construction, or reconstruction of vessels;

“(B) construction-differential subsidies incident to the construction, reconstruction, or reconstruction of vessels;

“(C) costs of national defense features;

“(D) payments of obligations incurred for operating-differential subsidies;

“(E) expenses necessary for research and development activities, including reimbursement of the Vessel Operations Revolving Fund for losses resulting from expenses of experimental vessel operations;

“(F) the Vessel Operations Revolving Fund;

“(G) National Defense Reserve Fleet expenses;

“(H) expenses necessary to carry out part B of subtitle V of title 46; and

“(I) other operations and training expenses related to the development of waterborne transportation systems, the use of waterborne transportation systems, and general administration.”.
SEC. 3502. PERMANENT AUTHORITY OF SECRETARY OF TRANSPORTATION TO ISSUE VESSEL WAR RISK INSURANCE.

(a) In General.—Section 53912 of title 46, United States Code, is repealed.

(b) Clerical Amendment.—The table of sections at the beginning of chapter 539 of such title is amended by striking the item relating to section 53912.

DIVISION D—FUNDING TABLES

SEC. 4001. AUTHORIZATION OF AMOUNTS IN FUNDING TABLES.

(a) In General.—Whenever a funding table in this division specifies a dollar amount authorized for a project, program, or activity, the obligation and expenditure of the specified dollar amount for the project, program, or activity is hereby authorized, subject to the availability of appropriations.

(b) Merit-Based Decisions.—A decision to commit, obligate, or expend funds with or to a specific entity on the basis of a dollar amount authorized pursuant to subsection (a) shall—

(1) be based on merit-based selection procedures in accordance with the requirements of sections 2304(k) and 2374 of title 10, United States Code, or on competitive procedures; and
(2) comply with other applicable provisions of law.

(c) Relationship to Transfer and Programming Authority.—An amount specified in the funding tables in this division may be transferred or reprogrammed under a transfer or reprogramming authority provided by another provision of this Act or by other law. The transfer or reprogramming of an amount specified in such funding tables shall not count against a ceiling on such transfers or reprogrammings under section 1001 or section 1522 of this Act or any other provision of law, unless such transfer or reprogramming would move funds between appropriation accounts.

(d) Applicability to Classified Annex.—This section applies to any classified annex that accompanies this Act.

(e) Oral Written Communications.—No oral or written communication concerning any amount specified in the funding tables in this division shall supersede the requirements of this section.

**TITLE XLI—PROCUREMENT**

**SEC. 4101. PROCUREMENT.**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>AIRCRAFT PROCUREMENT, ARMY FIXED WING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>MQ-1 UAV</td>
<td>46,416</td>
<td>46,416</td>
</tr>
<tr>
<td>4</td>
<td>MQ-11 (RAVEN)</td>
<td>46,416</td>
<td>46,416</td>
</tr>
<tr>
<td>7</td>
<td>AH-64 APACHE BLOCK III REMAN</td>
<td>753,248</td>
<td>753,248</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>AH-64 APACHE BLOCK IIA REMAN AP</td>
<td>174,550</td>
<td>174,550</td>
</tr>
<tr>
<td>9</td>
<td>AH-64 APACHE BLOCK III NEW BUILD</td>
<td>284,687</td>
<td>284,687</td>
</tr>
<tr>
<td>10</td>
<td>AH-64 APACHE BLOCK III NEW BUILD</td>
<td>58,600</td>
<td>58,600</td>
</tr>
<tr>
<td>11</td>
<td>UH-60 BLACKHawk M Model (MVP)</td>
<td>988,810</td>
<td>988,810</td>
</tr>
<tr>
<td>12</td>
<td>UH-60 BLACKHawk M Model (MVP) AP</td>
<td>106,150</td>
<td>106,150</td>
</tr>
<tr>
<td>13</td>
<td>UH-60 BLACK HAWK A AND L MODELS</td>
<td>146,138</td>
<td>146,138</td>
</tr>
<tr>
<td>14</td>
<td>CH-47 HELICOPTER</td>
<td>99,238</td>
<td>99,238</td>
</tr>
<tr>
<td>15</td>
<td>CH-47 HELICOPTER AP</td>
<td>24,235</td>
<td>24,235</td>
</tr>
<tr>
<td>16</td>
<td>MODIFICATION OF AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>UNIVERSAL GROUND CONTROL EQUIPMENT (UGS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>CH-47 CANDY HELICOPTER MODS (MYP)</td>
<td>104,950</td>
<td>104,950</td>
</tr>
<tr>
<td>19</td>
<td>CH-47 CANDY HELICOPTER MODS (MYP)</td>
<td>7,807</td>
<td>7,807</td>
</tr>
<tr>
<td>20</td>
<td>ARL SEMA MODS (MIP)</td>
<td>5,373</td>
<td>5,373</td>
</tr>
<tr>
<td>21</td>
<td>EMARSS SEMA MODS (MIP)</td>
<td>5,322</td>
<td>5,322</td>
</tr>
<tr>
<td>22</td>
<td>NETWORK AND MISSION PLAN</td>
<td>123,644</td>
<td>123,644</td>
</tr>
<tr>
<td>23</td>
<td>COMMON NAV SURVEILLANCE</td>
<td>162,969</td>
<td>162,969</td>
</tr>
<tr>
<td>24</td>
<td>DEGRADED VISUAL ENVIRONMENT</td>
<td>30,000</td>
<td>30,000</td>
</tr>
<tr>
<td>25</td>
<td>GATR ROLLUP</td>
<td>29,845</td>
<td>29,845</td>
</tr>
<tr>
<td>26</td>
<td>MQ-7 CAY MODS</td>
<td>102,246</td>
<td>102,246</td>
</tr>
<tr>
<td>27</td>
<td>MQ-7 CAY MODS</td>
<td>17,444</td>
<td>17,444</td>
</tr>
<tr>
<td>28</td>
<td>GROUND SUPPORT AVIONICS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>AIRCRAFT SURVIVABILITY EQUIPMENT</td>
<td>51,570</td>
<td>51,570</td>
</tr>
<tr>
<td>30</td>
<td>SURVIVABILITY CM</td>
<td>5,851</td>
<td>5,851</td>
</tr>
<tr>
<td>31</td>
<td>CMWS</td>
<td>13,496</td>
<td>13,496</td>
</tr>
<tr>
<td>32</td>
<td>COMMON INFRARED COUNTERMEASURES (CIRCM)</td>
<td>36,839</td>
<td>36,839</td>
</tr>
<tr>
<td>33</td>
<td>OTHER SUPPORT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>AVIONICS SUPPORT EQUIPMENT</td>
<td>1,778</td>
<td>1,778</td>
</tr>
<tr>
<td>35</td>
<td>COMMON GROUND EQUIPMENT</td>
<td>34,918</td>
<td>34,918</td>
</tr>
<tr>
<td>36</td>
<td>AIRCRAFT INTEGRATED SYSTEM</td>
<td>27,243</td>
<td>27,243</td>
</tr>
<tr>
<td>37</td>
<td>AIR TRAFFIC CONTROL</td>
<td>62,872</td>
<td>62,872</td>
</tr>
<tr>
<td>38</td>
<td>INDUSTRIAL FACILITIES</td>
<td>1,417</td>
<td>1,417</td>
</tr>
<tr>
<td>39</td>
<td>LAUNCHER 2.25 INCH</td>
<td>1,901</td>
<td>1,901</td>
</tr>
<tr>
<td>40</td>
<td>LAUNCHER GUIDED MISSILE 2.25 MORTAR (XM2)</td>
<td>991</td>
<td>991</td>
</tr>
<tr>
<td>41</td>
<td>TOTAL INDIAFRICT PROCUREMENT, ARMY</td>
<td>3,782,558</td>
<td>3,782,558</td>
</tr>
<tr>
<td>42</td>
<td>MISSILE PROCUREMENT, ARMY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>SURFACE-TO-AIR MISSLE SYSTEM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>LOWER TIER AIR AND MISSILE DEFENSE (AMTD)</td>
<td>111,395</td>
<td>111,395</td>
</tr>
<tr>
<td>45</td>
<td>MSE MISSILE</td>
<td>872,276</td>
<td>872,276</td>
</tr>
<tr>
<td>46</td>
<td>INDIRECT FIRE PROTECTION CAPABILITY IN 2-4</td>
<td>145,436</td>
<td>145,436</td>
</tr>
<tr>
<td>47</td>
<td>INDIRECT FIRE PROTECTION CAPABILITY IN 2-4 AP</td>
<td>31,296</td>
<td>31,296</td>
</tr>
<tr>
<td>48</td>
<td>AIR-TO-SURFACE MISSLE SYSTEM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>JOINT AIR-TO-GROUND MLRS (JAGM)</td>
<td>276,462</td>
<td>276,462</td>
</tr>
<tr>
<td>50</td>
<td>ANTI-TANK ASSAULT MISSILE SYSTEM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>51</td>
<td>JAVELIN LAWS-ML SYSTEM SUMMARY</td>
<td>302,665</td>
<td>302,665</td>
</tr>
<tr>
<td>52</td>
<td>TOW 2 SYSTEM SUMMARY</td>
<td>165,041</td>
<td>165,041</td>
</tr>
<tr>
<td>53</td>
<td>TOW 2 SYSTEM SUMMARY AP</td>
<td>19,949</td>
<td>19,949</td>
</tr>
<tr>
<td>54</td>
<td>MLRS REDUCED RANGE PRACTICE ROCKETS (RPR)</td>
<td>334,513</td>
<td>334,513</td>
</tr>
<tr>
<td>55</td>
<td>MODIFICATIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>PATRIOT MODS</td>
<td>315,228</td>
<td>315,228</td>
</tr>
<tr>
<td>57</td>
<td>ATK/MMS MODS</td>
<td>221,456</td>
<td>221,456</td>
</tr>
<tr>
<td>58</td>
<td>GMLRS MOD</td>
<td>266</td>
<td>266</td>
</tr>
<tr>
<td>59</td>
<td>STEINGER MODS</td>
<td>94,756</td>
<td>94,756</td>
</tr>
<tr>
<td>60</td>
<td>AVENGER MODS</td>
<td>48,670</td>
<td>48,670</td>
</tr>
<tr>
<td>61</td>
<td>ITAS/TOW MODS</td>
<td>8,432</td>
<td>8,432</td>
</tr>
<tr>
<td>62</td>
<td>MLRS MOD</td>
<td>382,216</td>
<td>382,216</td>
</tr>
<tr>
<td>63</td>
<td>HXMARS MODS</td>
<td>16,196</td>
<td>16,196</td>
</tr>
<tr>
<td>64</td>
<td>SPARES AND REPAIR PARTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>SPARES AND REPAIR PARTS</td>
<td>27,767</td>
<td>27,767</td>
</tr>
<tr>
<td>66</td>
<td>SUPPORT EQUIPMENT &amp; FACILITIES</td>
<td>6,417</td>
<td>6,417</td>
</tr>
<tr>
<td>67</td>
<td>PRODUCTION BASE SUPPORT</td>
<td>1,392</td>
<td>1,392</td>
</tr>
<tr>
<td>68</td>
<td>TOTAL MISSILE PROCUREMENT, ARMY</td>
<td>3,355,777</td>
<td>3,355,777</td>
</tr>
<tr>
<td>69</td>
<td>PROCUREMENT OF W&amp;TVC, ARMY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>70</td>
<td>TRACED COMBAT VEHICLES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>71</td>
<td>ARMORED MULTI PURPOSE VEHICLE (AMPV)</td>
<td>479,803</td>
<td>479,803</td>
</tr>
<tr>
<td>72</td>
<td>Procurement decrease</td>
<td>(79,803)</td>
<td>(79,803)</td>
</tr>
<tr>
<td>73</td>
<td>MODIFICATION OF TRACED COMBAT VEHICLES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>STYKRR (MOP)</td>
<td>247,490</td>
<td>247,490</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1058</td>
<td>SEC. 4101. PROCUREMENT</td>
<td>(In Thousands of Dollars)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Army requested transfer</strong></td>
<td></td>
<td>–1,497,390</td>
</tr>
<tr>
<td>5</td>
<td>STRYKER (UH321)</td>
<td>21,980</td>
<td>171,290</td>
</tr>
<tr>
<td>6</td>
<td>BRADLEY PROGRAM (M8)</td>
<td>625,424</td>
<td>301,424</td>
</tr>
<tr>
<td>7</td>
<td>M107 70, ALL TYPES</td>
<td>24,892</td>
<td>28,492</td>
</tr>
<tr>
<td>8</td>
<td>PALADIN INTEGRATED MANAGEMENT (PIM)</td>
<td>531,902</td>
<td>402,902</td>
</tr>
<tr>
<td>9</td>
<td>IMPROVED RECOVERY VEHICLE (M858A2 HERCULES)</td>
<td>110,500</td>
<td>110,500</td>
</tr>
<tr>
<td>10</td>
<td>ASSAULT BRIDGE (M88)</td>
<td>1,120</td>
<td>1,120</td>
</tr>
<tr>
<td>11</td>
<td>ASSAULT BREACHER VEHICLE</td>
<td>82,807</td>
<td>63,402</td>
</tr>
<tr>
<td>12</td>
<td>M8 70, ALL TYPES</td>
<td>4,517</td>
<td>4,517</td>
</tr>
<tr>
<td>13</td>
<td>JOINT ASSAULT BRIDGE</td>
<td>142,255</td>
<td>142,255</td>
</tr>
<tr>
<td>14</td>
<td>M1 Abrams Tank (M88)</td>
<td>927,600</td>
<td>927,600</td>
</tr>
<tr>
<td>15</td>
<td>Abrams Upgrade Program</td>
<td>1,025,999</td>
<td>1,025,999</td>
</tr>
<tr>
<td>16</td>
<td>MINES &amp; CLEARING CHARGES, ALL TYPES</td>
<td>44,656</td>
<td>44,656</td>
</tr>
<tr>
<td>17</td>
<td>CAD/PAD, ALL TYPES</td>
<td>10,428</td>
<td>10,428</td>
</tr>
<tr>
<td></td>
<td><strong>COMBAT ARMED VEHICLES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>M109 MEDIUM GUN (76 mm)</td>
<td>1,955</td>
<td>1,955</td>
</tr>
<tr>
<td>19</td>
<td>MULTIROLE ANTI-TANK ANTI-PERSONNEL WEAPON 8</td>
<td>23,345</td>
<td>23,345</td>
</tr>
<tr>
<td>20</td>
<td>GUN AUTOMATIC 50 MM M210</td>
<td>7,434</td>
<td>7,434</td>
</tr>
<tr>
<td>21</td>
<td>M19A2 M19A3 M25 M35 M39 M2 M3 M4</td>
<td>22,290</td>
<td>22,330</td>
</tr>
<tr>
<td>22</td>
<td>MORTAR SYSTEM</td>
<td>12,470</td>
<td>12,470</td>
</tr>
<tr>
<td>23</td>
<td>XM309 GRENADE LAUNCHER MODULE (GLM)</td>
<td>697</td>
<td>697</td>
</tr>
<tr>
<td>24</td>
<td>COMPACT SIMULATOMIC SNIPER SYSTEM</td>
<td>46,236</td>
<td>46,236</td>
</tr>
<tr>
<td>25</td>
<td>CABINET</td>
<td>69,306</td>
<td>69,306</td>
</tr>
<tr>
<td>26</td>
<td>SMALL ARMS—FIRE CONTROL</td>
<td>7,929</td>
<td>7,929</td>
</tr>
<tr>
<td>27</td>
<td>COMMON REMOTELY OPERATED WEAPONS STATION</td>
<td>35,968</td>
<td>35,968</td>
</tr>
<tr>
<td>28</td>
<td>HANDGUN</td>
<td>46,251</td>
<td>46,251</td>
</tr>
<tr>
<td></td>
<td><strong>AMMUNITION</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>M68 GRENADE MACHINE GUN MODS</td>
<td>1,684</td>
<td>1,684</td>
</tr>
<tr>
<td>30</td>
<td>M203 MODS</td>
<td>3,090</td>
<td>3,090</td>
</tr>
<tr>
<td>31</td>
<td>M1 CARRIER MODS</td>
<td>3,075</td>
<td>3,075</td>
</tr>
<tr>
<td>32</td>
<td>M2 .50 CAL MACHINE GUN MODS</td>
<td>21,400</td>
<td>21,400</td>
</tr>
<tr>
<td>33</td>
<td>M1A1 M1A2 SAW MACHINE GUN MODS</td>
<td>1,120</td>
<td>1,120</td>
</tr>
<tr>
<td>34</td>
<td>M60 M203 M2 .50 CAL MACHINE GUN MODS</td>
<td>21,600</td>
<td>21,600</td>
</tr>
<tr>
<td>35</td>
<td>SNIPER RIFLES MODIFICATIONS</td>
<td>2,747</td>
<td>2,747</td>
</tr>
<tr>
<td>36</td>
<td>M139 MODIFICATIONS</td>
<td>5,704</td>
<td>5,704</td>
</tr>
<tr>
<td>37</td>
<td>MORTAR MODIFICATION</td>
<td>5,765</td>
<td>5,765</td>
</tr>
<tr>
<td>38</td>
<td>MODIFICATIONS LESS THAN $5.2M (WOCV-WTCV)</td>
<td>5,577</td>
<td>5,577</td>
</tr>
<tr>
<td></td>
<td><strong>SUPPORT EQUIPMENT &amp; FACILITIES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>ITEMS LESS THAN $5.2M (WOCV-WTCV)</td>
<td>5,174</td>
<td>5,174</td>
</tr>
<tr>
<td>40</td>
<td>PRODUCTION BASE SUPPORT (WOCV-WTCV)</td>
<td>3,284</td>
<td>3,284</td>
</tr>
<tr>
<td>41</td>
<td>SMALL ARMS EQUIPMENT (SOLDIER EXH PRED)</td>
<td>1,640</td>
<td>1,640</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL PROCUREMENT OF W&amp;T&amp;V, ARMY</strong></td>
<td></td>
<td>4,488,118</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4,175,118</td>
</tr>
</tbody>
</table>

** PROCUREMENT OF AMMUNITION, ARMY **

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>.308MM, ALL TYPES</td>
<td>41,488</td>
<td>35,144</td>
</tr>
<tr>
<td></td>
<td><strong>FIY2019 Onanas forward financing</strong></td>
<td></td>
<td>–6,740</td>
</tr>
<tr>
<td>2</td>
<td>.50 CAL, ALL TYPES</td>
<td>86,199</td>
<td>86,199</td>
</tr>
<tr>
<td>3</td>
<td>.50 CAL, ALL TYPES</td>
<td>20,158</td>
<td>20,158</td>
</tr>
<tr>
<td>4</td>
<td>.50 CAL, ALL TYPES</td>
<td>65,573</td>
<td>65,573</td>
</tr>
<tr>
<td>5</td>
<td>.50 CAL, ALL TYPES</td>
<td>8,198</td>
<td>8,198</td>
</tr>
<tr>
<td>6</td>
<td>.50 CAL, ALL TYPES</td>
<td>77,995</td>
<td>77,995</td>
</tr>
<tr>
<td>7</td>
<td>.50 CAL, ALL TYPES</td>
<td>68,784</td>
<td>68,784</td>
</tr>
<tr>
<td>8</td>
<td>.50 CAL, ALL TYPES</td>
<td>67,498</td>
<td>67,498</td>
</tr>
<tr>
<td>9</td>
<td>60MM, ALL TYPES</td>
<td>45,280</td>
<td>45,280</td>
</tr>
<tr>
<td>10</td>
<td>50MM, ALL TYPES</td>
<td>168,101</td>
<td>168,101</td>
</tr>
<tr>
<td>11</td>
<td>50MM, ALL TYPES</td>
<td>39,341</td>
<td>39,341</td>
</tr>
<tr>
<td>12</td>
<td>50MM, ALL TYPES</td>
<td>211,442</td>
<td>211,442</td>
</tr>
<tr>
<td>13</td>
<td>50MM, ALL TYPES</td>
<td>100,906</td>
<td>100,906</td>
</tr>
<tr>
<td>14</td>
<td>50MM, ALL TYPES</td>
<td>213,687</td>
<td>213,687</td>
</tr>
<tr>
<td>15</td>
<td>50MM, ALL TYPES</td>
<td>11,146</td>
<td>11,146</td>
</tr>
<tr>
<td><strong>MINES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>M108, M109, M110, ALL TYPES</td>
<td>15,905</td>
<td>15,905</td>
</tr>
<tr>
<td>17</td>
<td>M102, M103, M106, ALL TYPES</td>
<td>4,503</td>
<td>4,503</td>
</tr>
<tr>
<td>18</td>
<td>M109A1, M109A2, M109A3, ALL TYPES</td>
<td>211,311</td>
<td>211,311</td>
</tr>
<tr>
<td><strong>OTHER AMMUNITION</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>M107, M108, M109, M110, ALL TYPES</td>
<td>10,428</td>
<td>10,428</td>
</tr>
<tr>
<td>20</td>
<td>M107, M108, M109, M110, ALL TYPES</td>
<td>10,428</td>
<td>10,428</td>
</tr>
<tr>
<td>21</td>
<td>M107, M108, M109, M110, ALL TYPES</td>
<td>10,428</td>
<td>10,428</td>
</tr>
<tr>
<td>22</td>
<td>M107, M108, M109, M110, ALL TYPES</td>
<td>10,428</td>
<td>10,428</td>
</tr>
<tr>
<td>23</td>
<td>M107, M108, M109, M110, ALL TYPES</td>
<td>10,428</td>
<td>10,428</td>
</tr>
<tr>
<td>24</td>
<td>M107, M108, M109, M110, ALL TYPES</td>
<td>10,428</td>
<td>10,428</td>
</tr>
</tbody>
</table>

| **TOTAL PROCUREMENT OF W&T&V, ARMY** | 4,488,118 | 4,175,118 |

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>AMMO COMPONENTS, ALL TYPES</td>
<td>5,224</td>
<td>5,224</td>
</tr>
<tr>
<td>26</td>
<td>NON-LETHAL AMMUNITION, ALL TYPES</td>
<td>4,310</td>
<td>4,310</td>
</tr>
<tr>
<td>27</td>
<td>ITEMS LESS THAN $5 MILLION (AMMO)</td>
<td>11,183</td>
<td>11,183</td>
</tr>
<tr>
<td>28</td>
<td>AMMUNITION PRECINCT EQUIPMENT</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>29</td>
<td>FIRST DESTINATION TRANSPORTATION (AMMO)</td>
<td>18,456</td>
<td>18,456</td>
</tr>
<tr>
<td>30</td>
<td>CLOTHS LIABILITY</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>31</td>
<td>PRODUCTION BASE SUPPORT</td>
<td>394,133</td>
<td>394,133</td>
</tr>
<tr>
<td>32</td>
<td>INDUSTRIAL FACILITIES</td>
<td>157,535</td>
<td>157,535</td>
</tr>
<tr>
<td>33</td>
<td>CONVENTIONAL MUNITIONS DEMILITARIZATION</td>
<td>7,273</td>
<td>7,273</td>
</tr>
<tr>
<td>34</td>
<td>ARMS INITIATIVE</td>
<td>2,771</td>
<td>2,771</td>
</tr>
<tr>
<td>35</td>
<td>TOTAL PROCUREMENT OF AMMUNITION, ARMY</td>
<td>2,254,761</td>
<td>2,128,061</td>
</tr>
</tbody>
</table>

**OTHER PROCUREMENT, ARMY TACTICAL VEHICLES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TACTICAL TRAILERS/POLY SETS</td>
<td>15,912</td>
<td>15,912</td>
</tr>
<tr>
<td>2</td>
<td>SEMITRAILERS, FLATBED</td>
<td>16,951</td>
<td>16,951</td>
</tr>
<tr>
<td>3</td>
<td>AMBULANCE, 5 LITTER, 5/4 TON, XX</td>
<td>50,123</td>
<td>50,123</td>
</tr>
<tr>
<td>4</td>
<td>GROUND MOBILITY VEHICLES (GMV)</td>
<td>46,988</td>
<td>46,988</td>
</tr>
<tr>
<td>5</td>
<td>LIGHT TACTICAL VEHICLE</td>
<td>133,401</td>
<td>180,401</td>
</tr>
<tr>
<td>6</td>
<td>Program reduction</td>
<td>-250,000</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>TRUCK, DUMP, 20T (CCE)</td>
<td>6,480</td>
<td>6,480</td>
</tr>
<tr>
<td>8</td>
<td>FAMILY OF MEDIUM TACTICAL VEH (FMTV)</td>
<td>132,892</td>
<td>132,892</td>
</tr>
<tr>
<td>9</td>
<td>FIREPROOF &amp; ASSOCIATED FIREPROOF EQUIP</td>
<td>14,642</td>
<td>14,642</td>
</tr>
<tr>
<td>10</td>
<td>FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)</td>
<td>135,105</td>
<td>135,105</td>
</tr>
<tr>
<td>11</td>
<td>HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV</td>
<td>31,982</td>
<td>31,982</td>
</tr>
<tr>
<td>12</td>
<td>TACTICAL WHEELED VEHICLE PROTECTION KITS</td>
<td>38,128</td>
<td>38,128</td>
</tr>
<tr>
<td>13</td>
<td>MODIFICATION OF IN SVC EQUIP</td>
<td>78,560</td>
<td>78,560</td>
</tr>
</tbody>
</table>

**NON-TACTICAL VEHICLES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>HEAVY ARMORED VEHICLE</td>
<td>790</td>
<td>790</td>
</tr>
<tr>
<td>15</td>
<td>PASSENGER CARRYING VEHICLES</td>
<td>1,390</td>
<td>1,390</td>
</tr>
<tr>
<td>16</td>
<td>NON-TACTICAL VEHICLES OTHER</td>
<td>15,415</td>
<td>15,415</td>
</tr>
</tbody>
</table>

**COMM—JIONT COMMUNICATIONS**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>SIGNAL MODERNIZATION PROGRAM</td>
<td>250,777</td>
<td>250,777</td>
</tr>
<tr>
<td>18</td>
<td>TACTICAL NETWORK TECHNOLOGY MOD IN SVC</td>
<td>469,117</td>
<td>469,117</td>
</tr>
<tr>
<td>19</td>
<td>SITUATION INFORMATION TRANSPORT</td>
<td>62,727</td>
<td>62,727</td>
</tr>
<tr>
<td>20</td>
<td>JOINT INCIDENT SITE COMMUNICATIONS CAPABILITY</td>
<td>13,895</td>
<td>13,895</td>
</tr>
<tr>
<td>21</td>
<td>JUMP EQUIPMENT (JEE/OOD)</td>
<td>4,866</td>
<td>4,866</td>
</tr>
</tbody>
</table>

**COMM—SATELLITE COMMUNICATIONS**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>DEFENSE ENTERPRISE WIDE BAND SATCOM SYSTEMS</td>
<td>108,131</td>
<td>108,131</td>
</tr>
<tr>
<td>23</td>
<td>TRANSPARENT TACTICAL COMMAND COMMUNICATIONS</td>
<td>56,377</td>
<td>56,377</td>
</tr>
<tr>
<td>24</td>
<td>SHF TERM</td>
<td>13,100</td>
<td>13,100</td>
</tr>
<tr>
<td>25</td>
<td>SMART (SPACE)</td>
<td>9,160</td>
<td>9,160</td>
</tr>
<tr>
<td>26</td>
<td>GLOBAL BROADSAT—GRS</td>
<td>23,647</td>
<td>23,647</td>
</tr>
<tr>
<td>27</td>
<td>ENDURANCE MISSION COMMAND (EMC)</td>
<td>37,401</td>
<td>37,401</td>
</tr>
</tbody>
</table>

**COMM—C3 SYSTEM**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>COMMUNITY TACTICAL SERVER INFRASTRUCTURE (T54)</td>
<td>20,509</td>
<td>20,509</td>
</tr>
</tbody>
</table>

**COMM—COMBAT COMMUNICATIONS**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>FIELD HANDHELD MANPACK SMALL FORM FACTORY (FMP)</td>
<td>551,565</td>
<td>551,565</td>
</tr>
<tr>
<td>30</td>
<td>EADD TERMINAL SET, MDOS LTV(2)</td>
<td>4,641</td>
<td>4,641</td>
</tr>
<tr>
<td>31</td>
<td>TRACTOR DECK</td>
<td>2,185</td>
<td>2,185</td>
</tr>
<tr>
<td>32</td>
<td>TRACTOR RIDE</td>
<td>9,411</td>
<td>9,411</td>
</tr>
<tr>
<td>33</td>
<td>SPIDER FAMILY OF NETWORKED MUNITIONS INFR</td>
<td>17,315</td>
<td>17,315</td>
</tr>
<tr>
<td>34</td>
<td>TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM</td>
<td>819</td>
<td>819</td>
</tr>
<tr>
<td>35</td>
<td>UNIFIED COMMAND SUITE</td>
<td>17,907</td>
<td>17,907</td>
</tr>
<tr>
<td>36</td>
<td>OTHER COMMUNICATIONS EQUIPMENT</td>
<td>191,835</td>
<td>191,835</td>
</tr>
<tr>
<td>37</td>
<td>FAMILY OF MED COMM FOR COMBAT CASUALTY CARE</td>
<td>25,177</td>
<td>25,177</td>
</tr>
</tbody>
</table>

**COMM—INTELLIGENCE COMM**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>CI AUTOMATION ARCHITECTURE (CIA)</td>
<td>9,749</td>
<td>9,749</td>
</tr>
<tr>
<td>39</td>
<td>DEFENSE MILITARY DECEPTION INITIATIVE</td>
<td>2,992</td>
<td>2,992</td>
</tr>
</tbody>
</table>

**INFORMATION SECURITY**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>FAMILY OF BIOMETRICS</td>
<td>8,319</td>
<td>8,319</td>
</tr>
<tr>
<td>41</td>
<td>INFORMATION SYSTEM SECURITY PROGRAM-ESPP</td>
<td>2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>42</td>
<td>COMMUNICATIONS SECURITY (COMSEC)</td>
<td>88,337</td>
<td>88,337</td>
</tr>
<tr>
<td>43</td>
<td>DEFENSIVE CYBER OPERATIONS</td>
<td>51,314</td>
<td>51,314</td>
</tr>
<tr>
<td>44</td>
<td>INSIDER THREAT PROGRAM—UNIT ACTIVITY MANITO</td>
<td>530</td>
<td>530</td>
</tr>
<tr>
<td>45</td>
<td>PERSISTENT CYBER TRAINING ENVIRONMENT</td>
<td>3,000</td>
<td>3,000</td>
</tr>
</tbody>
</table>

**COMM—LONG Haul COMMUNICATIONS**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>46</td>
<td>BASE SUPPORT COMMUNICATIONS</td>
<td>34,434</td>
<td>34,434</td>
</tr>
</tbody>
</table>

**COMM—BASE COMMUNICATIONS**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>47</td>
<td>INFORMATION SYSTEMS</td>
<td>95,558</td>
<td>95,558</td>
</tr>
<tr>
<td>48</td>
<td>EMERGENCY MANAGEMENT MODERNIZATION PROGRAM</td>
<td>4,736</td>
<td>4,736</td>
</tr>
<tr>
<td>49</td>
<td>HOME STATION MISSION COMMAND CENTERS (HSMCC)</td>
<td>24,479</td>
<td>24,479</td>
</tr>
<tr>
<td>50</td>
<td>INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM</td>
<td>216,431</td>
<td>216,431</td>
</tr>
<tr>
<td>51</td>
<td>ELECTRIC EQUIPMENT—TACTICAL REL ACT (TIERA)</td>
<td>10,268</td>
<td>10,268</td>
</tr>
<tr>
<td>52</td>
<td>NCO/CAI (MIP)</td>
<td>263,863</td>
<td>263,863</td>
</tr>
<tr>
<td>53</td>
<td>JOINT TACTICAL GROUND STATION (JTGS) (MIP)</td>
<td>5,414</td>
<td>5,414</td>
</tr>
<tr>
<td>54</td>
<td>TROOP (MIP)</td>
<td>20,623</td>
<td>20,623</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOD OF IN-SW EQUIP (INTEL SPT) (MIP)</td>
<td>45,998</td>
<td>47,298</td>
</tr>
<tr>
<td>FIRE SUPPORT C2 FAMILY</td>
<td>19,153</td>
<td>19,153</td>
</tr>
<tr>
<td>AERIAL &amp; MSL DEFENSE PLANNING &amp; CONTROL SYS</td>
<td>33,835</td>
<td>35,835</td>
</tr>
<tr>
<td>LIFE CYCLE SOFTWARE SUPPORT (LCSS)</td>
<td>5,136</td>
<td>5,136</td>
</tr>
<tr>
<td>NETWORK MANAGEMENT INITIALIZATION AND SERVICE</td>
<td>16,329</td>
<td>16,329</td>
</tr>
<tr>
<td>MINISTRY CONTROL SYSTEM (MCS)</td>
<td>38,015</td>
<td>38,015</td>
</tr>
<tr>
<td>GLOBAL COMMAND SUPPORT SYSTEM—ARMY (GCSS-A)</td>
<td>15,164</td>
<td>15,164</td>
</tr>
<tr>
<td>INTEGRATED PERSONNEL AND PAY SYSTEM—ARMY (IP)</td>
<td>29,239</td>
<td>29,239</td>
</tr>
<tr>
<td>Reconnaissance and Surveying Instrument Set</td>
<td>6,825</td>
<td>6,825</td>
</tr>
<tr>
<td>MOD OF IN-SW EQUIPMENT (ENFIRE)</td>
<td>1,177</td>
<td>1,177</td>
</tr>
<tr>
<td>BRIDGING EQUIPMENT</td>
<td>506</td>
<td>506</td>
</tr>
<tr>
<td>CLASSIFIED PROGRAMS</td>
<td>4,503</td>
<td>4,503</td>
</tr>
<tr>
<td>CHEMICAL DEFENSIVE EQUIPMENT</td>
<td>2,314</td>
<td>2,314</td>
</tr>
<tr>
<td>FAMILY OF NON-LETHAL EQUIPMENT (FNLE)</td>
<td>7,478</td>
<td>7,478</td>
</tr>
<tr>
<td>CBX XCOM DEFENSE</td>
<td>173,514</td>
<td>173,514</td>
</tr>
<tr>
<td>TACTICAL BRIDGING</td>
<td>98,229</td>
<td>98,229</td>
</tr>
<tr>
<td>COMMON BRIDGE TRANSPORTER (C7T) KEVAP</td>
<td>64,138</td>
<td>64,138</td>
</tr>
<tr>
<td>HANDHELD STANDOFF MINEFIELD DETECTION SYSTEM</td>
<td>8,471</td>
<td>8,471</td>
</tr>
<tr>
<td>GEND STANDOFF MINES DETECT SYSTEM (GEMDS)</td>
<td>29,881</td>
<td>29,881</td>
</tr>
<tr>
<td>AREA MINES DETECTION SYSTEM (AMDS)</td>
<td>11,594</td>
<td>11,594</td>
</tr>
<tr>
<td>HUNTED MINES DETECTION SYSTEM (HMDS)</td>
<td>46,834</td>
<td>46,834</td>
</tr>
<tr>
<td>ROBOTIC COMBAT SUPPORT SYSTEM (ROCSS)</td>
<td>4,029</td>
<td>4,029</td>
</tr>
<tr>
<td>ROBOTIC SYSTEMS RECAPITALIZATION</td>
<td>14,208</td>
<td>14,208</td>
</tr>
<tr>
<td>ROBOTICS AND APPLIQUE SYSTEMS</td>
<td>31,456</td>
<td>31,456</td>
</tr>
<tr>
<td>REMOTE DESTRUCTION SYSTEMS</td>
<td>1,748</td>
<td>1,748</td>
</tr>
<tr>
<td>FAMILY OF BOATS AND MOTORS</td>
<td>5,806</td>
<td>5,806</td>
</tr>
<tr>
<td>HEATERS AND RADIATORS</td>
<td>98,573</td>
<td>98,573</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
### SEC. 4101. PROCUREMENT

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>149</td>
<td>QUALITY SURVEILLANCE EQUIPMENT</td>
<td>3,770</td>
<td>3,770</td>
</tr>
<tr>
<td>150</td>
<td>DISTRIBUTION SYSTEMS, PETROLEUM &amp; WATER</td>
<td>39,130</td>
<td>39,130</td>
</tr>
<tr>
<td>151</td>
<td>COMBAT SUPPORT MEDICAL</td>
<td>57,752</td>
<td>57,752</td>
</tr>
<tr>
<td>152</td>
<td>MAINTENANCE EQUIPMENT</td>
<td>37,722</td>
<td>37,722</td>
</tr>
<tr>
<td>153</td>
<td>ITEMS LESS THAN $5.0M (MAYN EQ)</td>
<td>4,985</td>
<td>4,985</td>
</tr>
<tr>
<td>154</td>
<td>CONSTRUCTION EQUIPMENT</td>
<td>37,722</td>
<td>37,722</td>
</tr>
<tr>
<td>155</td>
<td>SCRAPERS, EARTHMOVING</td>
<td>7,961</td>
<td>7,961</td>
</tr>
<tr>
<td>156</td>
<td>HYDRAULIC EXCAVATOR</td>
<td>1,355</td>
<td>1,355</td>
</tr>
<tr>
<td>157</td>
<td>ALL TERRAIN CRANES</td>
<td>13,031</td>
<td>13,031</td>
</tr>
<tr>
<td>158</td>
<td>HIGH MOBILITY ENGINEER EXCAVATOR (HIMEE)</td>
<td>46,016</td>
<td>46,016</td>
</tr>
<tr>
<td>159</td>
<td>ENLARGED RAPID AIRFIELD CONSTRUCTION CAP</td>
<td>980</td>
<td>980</td>
</tr>
<tr>
<td>160</td>
<td>CONEQUIP ESP</td>
<td>37,017</td>
<td>37,017</td>
</tr>
<tr>
<td>161</td>
<td>ITEMS LESS THAN $5.0M (CONST EQUIP)</td>
<td>6,103</td>
<td>6,103</td>
</tr>
<tr>
<td>162</td>
<td>RAIL FLOAT CONTAINERIZATION EQUIPMENT</td>
<td>27,711</td>
<td>27,711</td>
</tr>
<tr>
<td>163</td>
<td>ARMY WATERCRAFT ESP</td>
<td>8,985</td>
<td>8,985</td>
</tr>
<tr>
<td>164</td>
<td>ITEMS LESS THAN $5.0M (FLOAT/RAIL)</td>
<td>8,985</td>
<td>8,985</td>
</tr>
<tr>
<td>165</td>
<td>GENERATORS</td>
<td>131,772</td>
<td>131,772</td>
</tr>
<tr>
<td>166</td>
<td>TACTICAL ELECTRIC POWER RECAPITALIZATION</td>
<td>8,333</td>
<td>8,333</td>
</tr>
<tr>
<td>167</td>
<td>MATERIAL HANDLING EQUIPMENT</td>
<td>32,903</td>
<td>32,903</td>
</tr>
<tr>
<td>168</td>
<td>FAMILY OF PORELIFTS</td>
<td>3,960</td>
<td>3,960</td>
</tr>
<tr>
<td>169</td>
<td>TRAINING EQUIPMENT</td>
<td>123,228</td>
<td>123,228</td>
</tr>
<tr>
<td>170</td>
<td>TRAINING DEVICES, MONOSYSTEM</td>
<td>228,598</td>
<td>228,598</td>
</tr>
<tr>
<td>171</td>
<td>CLOSE COMBAT TACTICAL TRAINER</td>
<td>33,080</td>
<td>33,080</td>
</tr>
<tr>
<td>172</td>
<td>AVIATION COMBINED ARMS TACTICAL TRAINER</td>
<td>32,700</td>
<td>32,700</td>
</tr>
<tr>
<td>173</td>
<td>CANNING TECHNOLOGY IN SUPPORT OF ARMY TRAINING</td>
<td>26,462</td>
<td>26,462</td>
</tr>
<tr>
<td>174</td>
<td>CALIBRATION SETS EQUIPMENT</td>
<td>4,270</td>
<td>4,270</td>
</tr>
<tr>
<td>175</td>
<td>INTERRIORIZED FAMILY OF TEST EQUIPMENT (FITE)</td>
<td>76,295</td>
<td>76,295</td>
</tr>
<tr>
<td>176</td>
<td>FDC EQUIPMENT MODERNIZATION</td>
<td>9,906</td>
<td>9,906</td>
</tr>
<tr>
<td>177</td>
<td>OTHER SUPPORT EQUIPMENT</td>
<td>4,368</td>
<td>4,368</td>
</tr>
<tr>
<td>178</td>
<td>MODERNIZED STABILIZED BINOCULAR</td>
<td>8,929</td>
<td>8,929</td>
</tr>
<tr>
<td>179</td>
<td>PHYSICAL SECURITY SYSTEMS (OPA)</td>
<td>54,043</td>
<td>54,043</td>
</tr>
<tr>
<td>180</td>
<td>RAIL FLOAT CONTAINERIZATION EQUIPMENT</td>
<td>8,833</td>
<td>8,833</td>
</tr>
<tr>
<td>181</td>
<td>MODIFIED OF IN-SVC EQUIPMENT (OPA–3)</td>
<td>49,797</td>
<td>49,797</td>
</tr>
<tr>
<td>182</td>
<td>PRODUCTION BASE SUPPORT (OIT)</td>
<td>2,301</td>
<td>2,301</td>
</tr>
<tr>
<td>183</td>
<td>SPECIAL EQUIPMENT FOR USER TESTING</td>
<td>13,080</td>
<td>13,080</td>
</tr>
<tr>
<td>184</td>
<td>TRACTOR YARD</td>
<td>6,356</td>
<td>6,356</td>
</tr>
<tr>
<td>185</td>
<td>OTHER SUPPORT EQUIPMENT</td>
<td>9,947</td>
<td>9,947</td>
</tr>
<tr>
<td>201</td>
<td>TOTAL OTHER PROCUREMENT, ARMY</td>
<td>7,999,529</td>
<td>7,736,329</td>
</tr>
</tbody>
</table>

**AIRCRAFT PROCUREMENT, NAVY**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>EA-18G (FIGHTER) HORNET</td>
<td>1,957,523</td>
<td>1,957,523</td>
</tr>
<tr>
<td>2</td>
<td>EA-18G (FIGHTER) HORNET AP</td>
<td>58,799</td>
<td>58,799</td>
</tr>
<tr>
<td>3</td>
<td>F-15C/D/JSF (FIGHTER) AP</td>
<td>1,444,958</td>
<td>1,444,958</td>
</tr>
<tr>
<td>4</td>
<td>F-16C/D (FIGHTER) AP</td>
<td>49,761</td>
<td>49,761</td>
</tr>
<tr>
<td>5</td>
<td>F/A-18E/F (FIGHTER) HORNET</td>
<td>140,070</td>
<td>140,070</td>
</tr>
<tr>
<td>6</td>
<td>F/A-18E/F (FIGHTER) HORNET AP</td>
<td>2,312,847</td>
<td>2,312,847</td>
</tr>
<tr>
<td>7</td>
<td>CV-22 (MEDIUM LIFT)</td>
<td>48,492</td>
<td>48,492</td>
</tr>
<tr>
<td>8</td>
<td>V-22 (MEDIUM LIFT)</td>
<td>1,113,804</td>
<td>1,113,804</td>
</tr>
<tr>
<td>9</td>
<td>CH-53K (HEAVY LIFT)</td>
<td>163,679</td>
<td>163,679</td>
</tr>
<tr>
<td>10</td>
<td>CH-53K (HEAVY LIFT) AP</td>
<td>806,327</td>
<td>806,327</td>
</tr>
<tr>
<td>11</td>
<td>P-3A OR P-3B</td>
<td>36,955</td>
<td>36,955</td>
</tr>
<tr>
<td>12</td>
<td>P-8A Poseidon</td>
<td>820,755</td>
<td>820,755</td>
</tr>
<tr>
<td>13</td>
<td>P-3A Poseidon</td>
<td>1,805,755</td>
<td>1,805,755</td>
</tr>
<tr>
<td>14</td>
<td>E-2C ADV HAWKEYE</td>
<td>742,693</td>
<td>742,693</td>
</tr>
<tr>
<td>15</td>
<td>E-2C ADV HAWKEYE AP</td>
<td>2,000,000</td>
<td>2,000,000</td>
</tr>
<tr>
<td>16</td>
<td>Q-4A LIGHT ATTACK AIRCRAFT</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**AIRCRAFT PROCUREMENT, MARINE CORPS**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>V-22A</td>
<td>206,000</td>
<td>206,000</td>
</tr>
</tbody>
</table>

**OTHER AIRCRAFT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>K-50</td>
<td>160,433</td>
<td>160,433</td>
</tr>
<tr>
<td>21</td>
<td>K-50A</td>
<td>110,013</td>
<td>110,013</td>
</tr>
<tr>
<td>22</td>
<td>MQ-1 TRIDENT</td>
<td>568,743</td>
<td>568,743</td>
</tr>
<tr>
<td>23</td>
<td>MQ-1 TRIDENT AP</td>
<td>58,522</td>
<td>58,522</td>
</tr>
<tr>
<td>24</td>
<td>MQ-8 UAV</td>
<td>54,761</td>
<td>54,761</td>
</tr>
<tr>
<td>25</td>
<td>MQ-8a UAV</td>
<td>14,966</td>
<td>14,966</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
### SEC. 4101. PROCUREMENT

**In Thousands of Dollars**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>VII–92A EXECUTIVE HELO</td>
<td>649,015</td>
<td>649,015</td>
</tr>
<tr>
<td>72</td>
<td>UAV</td>
<td>0</td>
<td>100,000</td>
</tr>
<tr>
<td><strong>MODIFICATION OF AIRCRAFT</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>AEA SYSTEMS</td>
<td>25,277</td>
<td>25,277</td>
</tr>
<tr>
<td>28</td>
<td>AV–8 SERIES</td>
<td>56,577</td>
<td>58,577</td>
</tr>
<tr>
<td>29</td>
<td>ADVERSARY</td>
<td>14,696</td>
<td>14,696</td>
</tr>
<tr>
<td>30</td>
<td>F–35 SERIES</td>
<td>1,213,482</td>
<td>1,227,382</td>
</tr>
<tr>
<td>31</td>
<td>H–53 SERIES</td>
<td>70,997</td>
<td>70,997</td>
</tr>
<tr>
<td>32</td>
<td>HH–60 SERIES</td>
<td>130,661</td>
<td>130,664</td>
</tr>
<tr>
<td>33</td>
<td>T–45 SERIES</td>
<td>87,141</td>
<td>80,141</td>
</tr>
<tr>
<td>34</td>
<td>EP–3 SERIES</td>
<td>3,831</td>
<td>6,831</td>
</tr>
<tr>
<td>35</td>
<td>P–3 SERIES</td>
<td>803</td>
<td>803</td>
</tr>
<tr>
<td>36</td>
<td>E–6 SERIES</td>
<td>98,780</td>
<td>88,780</td>
</tr>
<tr>
<td>37</td>
<td>TRAINR A/C SERIES</td>
<td>11,600</td>
<td>11,600</td>
</tr>
<tr>
<td>38</td>
<td>C–2A</td>
<td>13,327</td>
<td>13,327</td>
</tr>
<tr>
<td>39</td>
<td>C–130 SERIES</td>
<td>79,675</td>
<td>79,675</td>
</tr>
<tr>
<td>40</td>
<td>F-18</td>
<td>575</td>
<td>575</td>
</tr>
<tr>
<td>41</td>
<td>CARGO/TRANSPORT A/C SERIES</td>
<td>8,532</td>
<td>8,932</td>
</tr>
<tr>
<td>42</td>
<td>E–5 SERIES</td>
<td>198,821</td>
<td>198,821</td>
</tr>
<tr>
<td>43</td>
<td>EXECUTIVE HELICOPTERS SERIES</td>
<td>23,566</td>
<td>23,566</td>
</tr>
<tr>
<td>44</td>
<td>SPECIAL PROJECT AIRCRAFT</td>
<td>7,629</td>
<td>7,629</td>
</tr>
<tr>
<td>45</td>
<td>T–45 SERIES</td>
<td>195,475</td>
<td>195,475</td>
</tr>
<tr>
<td>46</td>
<td>POWER PLANT CHANGES</td>
<td>23,521</td>
<td>23,521</td>
</tr>
<tr>
<td>47</td>
<td>JPATS SERIES</td>
<td>27,644</td>
<td>25,644</td>
</tr>
<tr>
<td>48</td>
<td>AVIATION LIFE SUPPORT MODS</td>
<td>15,904</td>
<td>15,904</td>
</tr>
<tr>
<td>49</td>
<td>COMMON ECM EQUIPMENT</td>
<td>166,206</td>
<td>192,306</td>
</tr>
<tr>
<td>50</td>
<td>MODIFICATION OF AIRCRAFT</td>
<td>117,351</td>
<td>117,351</td>
</tr>
<tr>
<td>51</td>
<td>COMMON DEFENSIVE WEAPON SYSTEM</td>
<td>1,994</td>
<td>1,994</td>
</tr>
<tr>
<td>52</td>
<td>ID SYSTEMS</td>
<td>40,696</td>
<td>40,696</td>
</tr>
<tr>
<td>53</td>
<td>P–8 SERIES</td>
<td>71,251</td>
<td>72,251</td>
</tr>
<tr>
<td>54</td>
<td>MASTP EW FOR AVIATION</td>
<td>11,590</td>
<td>11,590</td>
</tr>
<tr>
<td>55</td>
<td>MQ–8 SERIES</td>
<td>37,965</td>
<td>37,965</td>
</tr>
<tr>
<td>57</td>
<td>V–22 (TILT/ROTOR ACFT) OSPREY</td>
<td>214,820</td>
<td>214,820</td>
</tr>
<tr>
<td>58</td>
<td>NEXT GENERATION LAMMER (NGJ)</td>
<td>852</td>
<td>952</td>
</tr>
<tr>
<td>59</td>
<td>F–35 STIW SERIES</td>
<td>36,418</td>
<td>76,418</td>
</tr>
<tr>
<td>60</td>
<td>P–3A Modifications Increase</td>
<td>22,236</td>
<td>28,236</td>
</tr>
<tr>
<td>61</td>
<td>P–3B Modifications Increase</td>
<td>5,904</td>
<td>5,904</td>
</tr>
<tr>
<td>62</td>
<td>MQ–1 SERIES</td>
<td>67,778</td>
<td>67,778</td>
</tr>
<tr>
<td>63</td>
<td>RQ–4 SERIES</td>
<td>6,906</td>
<td>6,906</td>
</tr>
<tr>
<td><strong>AIRCRAFT SPARES AND REPAIR PARTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>64</td>
<td>SPARES AND REPAIR PARTS</td>
<td>1,792,930</td>
<td>1,822,930</td>
</tr>
<tr>
<td>65</td>
<td>P–3B and P–2C+ spares quarterly increase</td>
<td></td>
<td></td>
</tr>
<tr>
<td>66</td>
<td>AIRCRAFT SUPPORT EQUIP &amp; FACILITIES</td>
<td>422,606</td>
<td>421,606</td>
</tr>
<tr>
<td>67</td>
<td>AIRCRAFT INDUSTRIAL FACILITIES</td>
<td>21,496</td>
<td>21,496</td>
</tr>
<tr>
<td>68</td>
<td>WAR CONSUMABLES</td>
<td>42,108</td>
<td>42,108</td>
</tr>
<tr>
<td>69</td>
<td>OTHER PROCUREMENT CHARGES</td>
<td>1,444</td>
<td>1,444</td>
</tr>
<tr>
<td>70</td>
<td>SPECIAL SUPPORT EQUIPMENT</td>
<td>19,845</td>
<td>49,849</td>
</tr>
<tr>
<td>71</td>
<td>TOTAL AIRCRAFT PROCUREMENT, NAVY</td>
<td>19,041,799</td>
<td>19,217,199</td>
</tr>
</tbody>
</table>

**WEAPONS PROCUREMENT, NAVY MODIFICATION OF MISSILES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TRIDENT II MODS</td>
<td>1,078,750</td>
<td>1,078,750</td>
</tr>
<tr>
<td>2</td>
<td>MISSILE INDUSTRIAL FACILITIES</td>
<td>6,998</td>
<td>6,998</td>
</tr>
<tr>
<td>3</td>
<td>TOMAHAWK</td>
<td>98,570</td>
<td>98,570</td>
</tr>
<tr>
<td><strong>TACTICAL MISSILES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>AMRAAM</td>
<td>231,058</td>
<td>231,058</td>
</tr>
<tr>
<td>5</td>
<td>SIDWINNER</td>
<td>77,917</td>
<td>121,917</td>
</tr>
<tr>
<td>6</td>
<td>JSOW</td>
<td>1,330</td>
<td>1,330</td>
</tr>
<tr>
<td>7</td>
<td>STANDARD MISSILE</td>
<td>490,510</td>
<td>490,510</td>
</tr>
<tr>
<td>8</td>
<td>STANDARD MISSILE AP</td>
<td>123,683</td>
<td>123,683</td>
</tr>
<tr>
<td>9</td>
<td>SMALL DIAMETER BOMBS</td>
<td>92,272</td>
<td>92,272</td>
</tr>
<tr>
<td>10</td>
<td>EAM</td>
<td>96,211</td>
<td>96,211</td>
</tr>
<tr>
<td>11</td>
<td>JAGM</td>
<td>24,109</td>
<td>24,109</td>
</tr>
<tr>
<td>12</td>
<td>STAND–OFF PRECISION GUIDED MUNITIONS (SOPGM)</td>
<td>11,378</td>
<td>11,378</td>
</tr>
<tr>
<td>13</td>
<td>AERIAL TARGETS</td>
<td>131,347</td>
<td>131,347</td>
</tr>
<tr>
<td>14</td>
<td>OTHER MISSILE SUPPORT</td>
<td>5,318</td>
<td>5,318</td>
</tr>
<tr>
<td>15</td>
<td>LEASM</td>
<td>81,190</td>
<td>111,190</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
## SEC. 4101. PROCUREMENT

### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>10683</td>
<td>18,156</td>
<td>18,156</td>
</tr>
<tr>
<td>19</td>
<td>MODIFICATION OF MISSILES</td>
<td>98,284</td>
<td>98,284</td>
</tr>
<tr>
<td>20</td>
<td>HARPOON MODS</td>
<td>14,840</td>
<td>28,840</td>
</tr>
<tr>
<td>21</td>
<td>HARM MODS</td>
<td>167,985</td>
<td>74,085</td>
</tr>
<tr>
<td>22</td>
<td>SUPPORT EQUIPMENT &amp; FACILITIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>WEAPONS INDUSTRIAL FACILITIES</td>
<td>2,066</td>
<td>2,066</td>
</tr>
<tr>
<td>24</td>
<td>FLEET SATELLITE FORM FOLLOW-ON</td>
<td>66,779</td>
<td>66,779</td>
</tr>
<tr>
<td>25</td>
<td>ORDinance SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>TORPEDOES AND RELATED EQUIP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>ASW GUIDED MISSILES</td>
<td>6,616</td>
<td>6,616</td>
</tr>
<tr>
<td>28</td>
<td>MOD OF TORPEDOES AND RELATED EQUIP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>CIWS MODS</td>
<td>9,758</td>
<td>9,758</td>
</tr>
<tr>
<td>30</td>
<td>DESTINATION TRANSPORTATION</td>
<td>3,726</td>
<td>3,726</td>
</tr>
<tr>
<td>31</td>
<td>GUNS AND GUN MOUNTS</td>
<td>15,067</td>
<td>15,067</td>
</tr>
<tr>
<td>32</td>
<td>MODIFICATION OF GUNS AND GUN MOUNTS</td>
<td>63,518</td>
<td>63,518</td>
</tr>
<tr>
<td>33</td>
<td>SPARES AND REPAIR PARTS</td>
<td>135,688</td>
<td>135,688</td>
</tr>
<tr>
<td>34</td>
<td>TOTAL WEAPONS PROCUREMENT, NAVY</td>
<td>3,702,393</td>
<td>3,680,493</td>
</tr>
<tr>
<td>35</td>
<td>PROCUREMENT OF AMMO, NAVY &amp; MC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>NAVY AMMUNITION</td>
<td>79,971</td>
<td>79,971</td>
</tr>
<tr>
<td>37</td>
<td>GENERAL PURPOSE BOMBS</td>
<td>82,900</td>
<td>82,900</td>
</tr>
<tr>
<td>38</td>
<td>AIRBORNE ROCKETS, ALL TYPES</td>
<td>151,414</td>
<td>151,414</td>
</tr>
<tr>
<td>39</td>
<td>MACHINE GUN AMMUNITION</td>
<td>11,344</td>
<td>11,344</td>
</tr>
<tr>
<td>40</td>
<td>PRACTICE BOMBS</td>
<td>15,121</td>
<td>15,121</td>
</tr>
<tr>
<td>41</td>
<td>CARTRIDGES &amp; CARRIAGE EQUIPMENT</td>
<td>58,222</td>
<td>58,222</td>
</tr>
<tr>
<td>42</td>
<td>AMMO REIMBURSEMENT</td>
<td>65,931</td>
<td>65,931</td>
</tr>
<tr>
<td>43</td>
<td>INTERMEDIATE CALIBER GUN AMMUNITION</td>
<td>3,613</td>
<td>3,613</td>
</tr>
<tr>
<td>44</td>
<td>SMALL ARMS AND LANDAMENTS</td>
<td>42,142</td>
<td>42,142</td>
</tr>
<tr>
<td>45</td>
<td>SMALL ARMS AND LANDAMENTS</td>
<td>49,858</td>
<td>49,958</td>
</tr>
<tr>
<td>46</td>
<td>SHIPBOARD MUNITIONS</td>
<td>10,931</td>
<td>10,931</td>
</tr>
<tr>
<td>47</td>
<td>ARTILLERY AMMUNITION</td>
<td>1,106</td>
<td>1,106</td>
</tr>
<tr>
<td>48</td>
<td>MARINE CORPS AMMUNITION</td>
<td>28,566</td>
<td>28,566</td>
</tr>
<tr>
<td>49</td>
<td>DIRECT SUPPORT MUNITIONS</td>
<td>63,664</td>
<td>63,664</td>
</tr>
<tr>
<td>50</td>
<td>INFANTRY WEAPONS AMMUNITION</td>
<td>56,285</td>
<td>56,285</td>
</tr>
<tr>
<td>51</td>
<td>SHIPBOARD MUNITIONS</td>
<td>32,377</td>
<td>32,377</td>
</tr>
<tr>
<td>52</td>
<td>ARTILLERY AMMUNITION</td>
<td>15,961</td>
<td>15,961</td>
</tr>
<tr>
<td>53</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td>6,239</td>
<td>6,239</td>
</tr>
<tr>
<td>54</td>
<td>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC</td>
<td>1,006,209</td>
<td>993,209</td>
</tr>
</tbody>
</table>

### SHIPBUILDING AND CONVERSION, NAVY

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>55</td>
<td>OTHER BALLISTIC MISSILE SHIPS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>OTHER WARSHIPS</td>
<td>3,005,330</td>
<td>3,005,330</td>
</tr>
<tr>
<td>57</td>
<td>OTHER REPROGRAMMED</td>
<td></td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>NAVY INDUSTRIAL FACILITIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>59</td>
<td>NAVY REIMBURSEMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>INSURANCE OF SHIPS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>61</td>
<td>OTHER SHIP AMMUNITION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>SHIPBOARD MUNITIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>63</td>
<td>ARTILLERY MUNITIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>64</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC</td>
<td>1,006,209</td>
<td>993,209</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
### SEC. 4101. PROCUREMENT

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>$21,871,437</td>
<td>23,126,937</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>OTHER PROCUREMENT, NAVY</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SHIP PROPULSION EQUIPMENT</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>GENERATORS</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>NAVIGATION EQUIPMENT</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>OTHER NAVIGATION EQUIPMENT</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>OTHER SHIPBOARD EQUIPMENT</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG</strong></td>
<td>178,421</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>DDG MOD</strong></td>
<td>487,999</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>FIREFIGHTING EQUIPMENT</strong></td>
<td>28,143</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>COMMAND AND CONTROL SWITCHBOARD</strong></td>
<td>3,709</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>LHA/LHD MIDDLE</strong></td>
<td>37,694</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>POLLUTION CONTROL EQUIPMENT</strong></td>
<td>20,983</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBMARINE SUPPORT EQUIPMENT</strong></td>
<td>37,155</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>VIRGINIA CLASS SUPPORT EQUIPMENT</strong></td>
<td>66,328</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>LCS CLASS SUPPORT EQUIPMENT</strong></td>
<td>47,241</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBMARINE BATTERIES</strong></td>
<td>27,987</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>LPD CLASS SUPPORT EQUIPMENT</strong></td>
<td>65,033</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>DDG 1000 CLASS SUPPORT EQUIPMENT</strong></td>
<td>89,700</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Procurement only to seed</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>STRATEGIC PLATFORM SUPPORT EQUIP</strong></td>
<td>22,254</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>DSF EQUIPMENT</strong></td>
<td>5,629</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>CO MODERNIZATION</strong></td>
<td>256,446</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>LCA</strong></td>
<td>3,709</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>UNDERWATER EOD PROGRAMS</strong></td>
<td>78,807</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>ITEMS LESS THAN $5 MILLION</strong></td>
<td>126,965</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>LCS COMMON MISSION MODULES EQUIPMENT</strong></td>
<td>174,147</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>LCS MCM MISSION MODULES</strong></td>
<td>46,732</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>CONVERSION OF TRACKING CHRONOS FROM LINE 3</strong></td>
<td>6,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBMARINE LIFE SUPPORT SYSTEM</strong></td>
<td>11,968</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>REACTOR PLANT EQUIPMENT</strong></td>
<td>26,006</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>REACTOR COMPONENTS</strong></td>
<td>497,063</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>OCEAN ENGINEERING</strong></td>
<td>10,706</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SMALL BOATS</strong></td>
<td>49,771</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>PRODUCTION FACILITIES EQUIPMENT</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>OPERATING PAYROLL PAYE</strong></td>
<td>225,181</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>OTHER SHIP SUPPORT</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>LCS COMMON MISSION MODULES EQUIPMENT</strong></td>
<td>46,732</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TRANSFERS FROM NAVY</strong></td>
<td>19,300</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>LCS IN-SERVICE MODERNIZATION</strong></td>
<td>70,526</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>LOGISTIC SUPPORT</strong></td>
<td>4,784</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
## SEC. 4101. PROCUREMENT

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>37</td>
<td>SPS-35 RARADAR .................................................................</td>
<td>20,309</td>
<td>20,309</td>
</tr>
<tr>
<td>38</td>
<td>AN/SPQ-9R SURF ASW COMBAT SYSTEM ......................................</td>
<td>115,459</td>
<td>115,459</td>
</tr>
<tr>
<td>39</td>
<td>SSON ACOUSTIC EQUIPMENT ....................................................</td>
<td>518,199</td>
<td>518,199</td>
</tr>
<tr>
<td>40</td>
<td>UNDERSEA WARFARE SUPPORT EQUIPMENT ..................................</td>
<td>10,134</td>
<td>10,134</td>
</tr>
<tr>
<td>41</td>
<td>ASW ELECTRONIC EQUIPMENT ...................................................</td>
<td>23,815</td>
<td>23,815</td>
</tr>
<tr>
<td>42</td>
<td>SSTP ..............................................................</td>
<td>11,277</td>
<td>6,277</td>
</tr>
<tr>
<td>43</td>
<td>AN/SQX-32E contract delay ..................................................</td>
<td>5,000</td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>FIXED SURVEILLANCE SYSTEM ..................................................</td>
<td>237,790</td>
<td>237,790</td>
</tr>
<tr>
<td>45</td>
<td>SURPASS ..........................................................</td>
<td>51,652</td>
<td>51,652</td>
</tr>
<tr>
<td>46</td>
<td>ELECTRONIC WARFARE EQUIPMENT .........................................</td>
<td>420,344</td>
<td>420,344</td>
</tr>
<tr>
<td>47</td>
<td>RECONNAISSANCE EQUIPMENT ...................................................</td>
<td>220,883</td>
<td>220,883</td>
</tr>
<tr>
<td>48</td>
<td>OTHER SHIP ELECTRONIC EQUIPMENT ......................................</td>
<td>4,028</td>
<td>3,928</td>
</tr>
<tr>
<td>49</td>
<td>COOPERATIVE ENGAGEMENT CAPABILITY .....................................</td>
<td>44,173</td>
<td>38,173</td>
</tr>
<tr>
<td>50</td>
<td>NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS) .................</td>
<td>10,994</td>
<td>10,994</td>
</tr>
<tr>
<td>51</td>
<td>NAVY COMMAND AND CONTROL SYSTEM (NCCS) .........................</td>
<td>3,769</td>
<td>3,769</td>
</tr>
<tr>
<td>52</td>
<td>MINESWEEPING SYSTEM REPLACEMENT .....................................</td>
<td>16,409</td>
<td>16,409</td>
</tr>
<tr>
<td>53</td>
<td>SHALLOW WATER MCM ..........................................................</td>
<td>8,616</td>
<td>0</td>
</tr>
<tr>
<td>54</td>
<td>NAVSTAR GPS RECEIVERS (SPACE) ..........................................</td>
<td>15,801</td>
<td>15,801</td>
</tr>
<tr>
<td>55</td>
<td>AMERICAN FORCES RADIO AND TV SERVICE ...............................</td>
<td>1,936</td>
<td>1,936</td>
</tr>
<tr>
<td>56</td>
<td>STRATEGIC PLATFORM SUPPORT EQUIPMENT ...............................</td>
<td>9,467</td>
<td>9,467</td>
</tr>
<tr>
<td>57</td>
<td>AShore Avn. Equipment ......................................................</td>
<td>70,849</td>
<td>70,849</td>
</tr>
<tr>
<td>58</td>
<td>AFIHAT ATC EQUIPMENT ..........................................................</td>
<td>41,900</td>
<td>41,900</td>
</tr>
<tr>
<td>59</td>
<td>ID SYSTEMS ..........................................................................</td>
<td>26,263</td>
<td>26,263</td>
</tr>
<tr>
<td>60</td>
<td>JOINT PRECISION APPROACH AND LANDING SYSTEM (JPALS) .......</td>
<td>38,094</td>
<td>38,094</td>
</tr>
<tr>
<td>61</td>
<td>NAVAL MISSION PLANNING SYSTEMS .......................................</td>
<td>11,906</td>
<td>11,906</td>
</tr>
<tr>
<td>62</td>
<td>TACTICAL/MOBILE TV SYSTEMS ..............................................</td>
<td>42,010</td>
<td>42,010</td>
</tr>
<tr>
<td>63</td>
<td>UCOM ..............................................................</td>
<td>12,996</td>
<td>12,996</td>
</tr>
<tr>
<td>64</td>
<td>CASES .................................................................................</td>
<td>412,917</td>
<td>412,917</td>
</tr>
<tr>
<td>65</td>
<td>RADIAC ..............................................................................</td>
<td>6,175</td>
<td>6,175</td>
</tr>
<tr>
<td>66</td>
<td>CASES-INTELL ....................................................................</td>
<td>51,460</td>
<td>51,460</td>
</tr>
<tr>
<td>67</td>
<td>OPERE ...........................................................................</td>
<td>5,965</td>
<td>5,965</td>
</tr>
<tr>
<td>68</td>
<td>MARP ...........................................................................</td>
<td>3,134</td>
<td>3,134</td>
</tr>
<tr>
<td>69</td>
<td>PROG COMBAT SYSTEM TEST FACILITY ....................................</td>
<td>6,251</td>
<td>6,251</td>
</tr>
<tr>
<td>70</td>
<td>EMI CONTROL INSTRUMENTATION ..........................................</td>
<td>4,183</td>
<td>4,183</td>
</tr>
<tr>
<td>71</td>
<td>ITEMS LESS THAN $5 MILLION ..............................................</td>
<td>146,550</td>
<td>146,500</td>
</tr>
<tr>
<td>72</td>
<td>SHIPBOARD COMMUNICATIONS ................................................</td>
<td>45,450</td>
<td>45,450</td>
</tr>
<tr>
<td>73</td>
<td>SHIP COMMUNICATIONS AUTOMATION .......................................</td>
<td>195,458</td>
<td>195,458</td>
</tr>
<tr>
<td>74</td>
<td>COMMUNICATIONS ITEMS UNDER $5M .......................................</td>
<td>41,123</td>
<td>41,123</td>
</tr>
<tr>
<td>75</td>
<td>SUBMARINE COMMUNICATIONS ..................................................</td>
<td>30,972</td>
<td>30,972</td>
</tr>
<tr>
<td>76</td>
<td>SUBMARINE COMMUNICATION EQUIPMENT ..................................</td>
<td>78,580</td>
<td>78,580</td>
</tr>
<tr>
<td>77</td>
<td>SATELLITE COMMUNICATIONS ..................................................</td>
<td>41,205</td>
<td>41,205</td>
</tr>
<tr>
<td>78</td>
<td>NAVY MULTILAND TERMINAL (MXT) .........................................</td>
<td>113,885</td>
<td>113,885</td>
</tr>
<tr>
<td>79</td>
<td>JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) ..................</td>
<td>4,292</td>
<td>4,292</td>
</tr>
<tr>
<td>80</td>
<td>CRYPTOGRAPHIC EQUIPMENT ..................................................</td>
<td>154,526</td>
<td>154,526</td>
</tr>
<tr>
<td>81</td>
<td>INFO SYSTEMS SECURITY PROGRAM (ISSP) ...............................</td>
<td>351</td>
<td>351</td>
</tr>
<tr>
<td>82</td>
<td>CRYPTOLOGIC EQUIPMENT ......................................................</td>
<td>14,209</td>
<td>14,209</td>
</tr>
<tr>
<td>83</td>
<td>SOUTHCOM COO Support (2 outfits) .......................................</td>
<td>[2,900]</td>
<td></td>
</tr>
<tr>
<td>84</td>
<td>OTHER ELECTRONIC SUPPORT ................................................</td>
<td>49,713</td>
<td>49,713</td>
</tr>
<tr>
<td>85</td>
<td>SONOBUOYS—ALL TYPES .......................................................</td>
<td>177,951</td>
<td>177,951</td>
</tr>
<tr>
<td>86</td>
<td>Airc. Support Equipment ....................................................</td>
<td>36,000</td>
<td></td>
</tr>
<tr>
<td>87</td>
<td>WEAPONS RANGE SUPPORT EQUIPMENT .....................................</td>
<td>93,864</td>
<td>93,864</td>
</tr>
<tr>
<td>88</td>
<td>AIRCRAFT SUPPORT EQUIPMENT .............................................</td>
<td>111,724</td>
<td>111,724</td>
</tr>
<tr>
<td>89</td>
<td>ADVANCED ARRESTING GEAR (LAG) .........................................</td>
<td>11,054</td>
<td>11,054</td>
</tr>
<tr>
<td>90</td>
<td>METEOROLOGICAL EQUIPMENT ...............................................</td>
<td>22,972</td>
<td>22,972</td>
</tr>
<tr>
<td>91</td>
<td>DCS/IDP ...........................................................................</td>
<td>656</td>
<td>656</td>
</tr>
<tr>
<td>92</td>
<td>ARMOURED MINE COUNTERMEASURES .......................................</td>
<td>11,299</td>
<td>11,299</td>
</tr>
<tr>
<td>93</td>
<td>LAMPS EQUIPMENT ................................................................</td>
<td>504</td>
<td>504</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
## SEC. 4101. PROCUREMENT (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>96</td>
<td>AVIATION SUPPORT EQUIPMENT</td>
<td>39,374</td>
<td>39,374</td>
</tr>
<tr>
<td>97</td>
<td>SHIP MISSILE SUPPORT EQUIPMENT</td>
<td>213,090</td>
<td>213,090</td>
</tr>
<tr>
<td>98</td>
<td>TRACKED COMBAT VEHICLES</td>
<td>19,916</td>
<td>19,916</td>
</tr>
<tr>
<td>100</td>
<td>CIVIL ENGINEERING SUPPORT EQUIPMENT</td>
<td>236,425</td>
<td>236,425</td>
</tr>
<tr>
<td>106</td>
<td>Supply Support Equipment</td>
<td>18,786</td>
<td>18,786</td>
</tr>
<tr>
<td>107</td>
<td>Special Purpose Supply Systems</td>
<td>3,352</td>
<td>3,352</td>
</tr>
<tr>
<td>108</td>
<td>PERSONNEL SUPPORT EQUIPMENT</td>
<td>3,400</td>
<td>3,400</td>
</tr>
<tr>
<td>109</td>
<td>Naval Support Equipment</td>
<td>2,674</td>
<td>2,674</td>
</tr>
<tr>
<td>110</td>
<td>CONSTRUCTION &amp; MAINTENANCE EQUIP</td>
<td>20,994</td>
<td>20,994</td>
</tr>
<tr>
<td>111</td>
<td>Fire Fighting Equipment</td>
<td>12,189</td>
<td>12,189</td>
</tr>
<tr>
<td>112</td>
<td>TACTICAL VEHICLES</td>
<td>19,916</td>
<td>19,916</td>
</tr>
<tr>
<td>113</td>
<td>AMPHIBIOUS SUPPORT EQUIPMENT</td>
<td>7,400</td>
<td>7,400</td>
</tr>
<tr>
<td>114</td>
<td>POLITION CONTROL EQUIPMENT</td>
<td>2,713</td>
<td>2,713</td>
</tr>
<tr>
<td>115</td>
<td>ITEMS UNDER $5 MILLION</td>
<td>35,540</td>
<td>35,540</td>
</tr>
<tr>
<td>116</td>
<td>PHYSICAL SECURITY VEHICLES</td>
<td>1,155</td>
<td>1,155</td>
</tr>
<tr>
<td>120</td>
<td>Training Devices</td>
<td>3,400</td>
<td>3,400</td>
</tr>
<tr>
<td>121</td>
<td>TRAINING AND EDUCATION EQUIPMENT</td>
<td>24,283</td>
<td>24,283</td>
</tr>
<tr>
<td>122</td>
<td>Command Support Equipment</td>
<td>66,684</td>
<td>66,684</td>
</tr>
<tr>
<td>123</td>
<td>MEDICAL SUPPORT EQUIPMENT</td>
<td>6,542</td>
<td>6,542</td>
</tr>
<tr>
<td>124</td>
<td>NAVY SUPPRT EQUIPMENT</td>
<td>1,984</td>
<td>1,984</td>
</tr>
<tr>
<td>125</td>
<td>OPERATING FORCES SUPPORT EQUIPMENT</td>
<td>15,142</td>
<td>15,142</td>
</tr>
<tr>
<td>126</td>
<td>CASE EQUIPMENT</td>
<td>3,576</td>
<td>3,576</td>
</tr>
<tr>
<td>128</td>
<td>ENVIRONMENTAL SUPPORT EQUIPMENT</td>
<td>31,902</td>
<td>31,902</td>
</tr>
<tr>
<td>129</td>
<td>PHYSICAL SECURITY EQUIPMENT</td>
<td>175,436</td>
<td>175,436</td>
</tr>
<tr>
<td>130</td>
<td>EMERGENCY INFORMATION TECHNOLOGY</td>
<td>25,293</td>
<td>25,293</td>
</tr>
<tr>
<td>131</td>
<td>OTHER</td>
<td>96,269</td>
<td>96,269</td>
</tr>
<tr>
<td>132</td>
<td>SPECIAL PURPOSE SUPPLY SYSTEMS</td>
<td>15,681</td>
<td>15,681</td>
</tr>
<tr>
<td>133</td>
<td>CLASSIFIED PROGRAMS</td>
<td>2,818</td>
<td>2,818</td>
</tr>
<tr>
<td>134</td>
<td>SPARES AND REPAIR PARTS</td>
<td>326,838</td>
<td>326,838</td>
</tr>
<tr>
<td>135</td>
<td>TOTAL OTHER PROCUREMENT, NAVY</td>
<td>9,414,355</td>
<td>9,373,855</td>
</tr>
</tbody>
</table>

** PROCUREMENT, MARINE CORPS

** TRACKED COMBAT VEHICLES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AAV7A1 PIP</td>
<td>156,249</td>
<td>78,149</td>
</tr>
<tr>
<td>2</td>
<td>AMPHIBIOUS CORVETTE 14</td>
<td>167,478</td>
<td>167,178</td>
</tr>
<tr>
<td>3</td>
<td>LAV PIP</td>
<td>45,701</td>
<td>45,701</td>
</tr>
<tr>
<td>5</td>
<td>ARTILLERY AND LIGHTWEIGHT TOWED HOWITZER</td>
<td>47,158</td>
<td>47,158</td>
</tr>
<tr>
<td>6</td>
<td>ARTILLERY WEAPONS SYSTEM</td>
<td>154,146</td>
<td>154,146</td>
</tr>
<tr>
<td>7</td>
<td>WEAPONS AND COMBAT VEHICLES UNDER $5 MILLION</td>
<td>40,681</td>
<td>40,681</td>
</tr>
</tbody>
</table>

** OTHER SUPPORT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>MODIFICATION KITS</td>
<td>22,904</td>
<td>22,904</td>
</tr>
<tr>
<td>9</td>
<td>GUIDED MISSILES</td>
<td>18,334</td>
<td>18,334</td>
</tr>
<tr>
<td>10</td>
<td>ANTI-ARMOR MISSILE-JAVELIN</td>
<td>3,020</td>
<td>3,020</td>
</tr>
<tr>
<td>11</td>
<td>FAMILY OF ANTI-ARMOR WEAPON SYSTEMS (FALWS)</td>
<td>10,760</td>
<td>10,760</td>
</tr>
<tr>
<td>12</td>
<td>ANTI-ARMOR MISSILE-TOW</td>
<td>58,202</td>
<td>58,202</td>
</tr>
</tbody>
</table>

** COMMAND AND CONTROL SYSTEMS

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>COMMON AVIATION COMMAND AND CONTROL SYSTEM (C)</td>
<td>35,405</td>
<td>35,405</td>
</tr>
<tr>
<td>14</td>
<td>REPAIR AND TEST EQUIPMENT</td>
<td>46,081</td>
<td>46,081</td>
</tr>
</tbody>
</table>

** OTHER SUPPORT (TEL)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>MODIFICATION KITS</td>
<td>91</td>
<td>91</td>
</tr>
</tbody>
</table>

** COMMAND AND CONTROL SYSTEM (NON-TEL)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>ITEMS UNDER $5 MILLION (NON &amp; XLR)</td>
<td>68,203</td>
<td>68,203</td>
</tr>
</tbody>
</table>
## SEC. 4101. PROCUREMENT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>AIR OPERATIONS C2 SYSTEMS</td>
<td>14,269</td>
<td>14,269</td>
</tr>
<tr>
<td>18</td>
<td>RADAR + EQUIPMENT (NON-TEL)</td>
<td>6,694</td>
<td>6,694</td>
</tr>
<tr>
<td>19</td>
<td>GROUND/AIR TASK ORIENTED RADAR (G/ATOR)</td>
<td>234,969</td>
<td>234,969</td>
</tr>
<tr>
<td>20</td>
<td>RADAR SYSTEMS</td>
<td>3,187</td>
<td>3,187</td>
</tr>
<tr>
<td>21</td>
<td>FIRE SUPPORT SYSTEM</td>
<td>60,189</td>
<td>60,189</td>
</tr>
<tr>
<td>22</td>
<td>INTELLIGENCE SUPPORT EQUIPMENT</td>
<td>73,848</td>
<td>73,848</td>
</tr>
<tr>
<td>23</td>
<td>UNMANNED AIR SYSTEMS (INTELL)</td>
<td>3,848</td>
<td>3,848</td>
</tr>
<tr>
<td>24</td>
<td>M28-2</td>
<td>16,082</td>
<td>16,082</td>
</tr>
<tr>
<td>25</td>
<td>OTHER SUPPORT (NON-TEL)</td>
<td>85,120</td>
<td>85,120</td>
</tr>
<tr>
<td>26</td>
<td>NEXT GENERATION ENTERPRISE NETWORK (NGEN)</td>
<td>68,914</td>
<td>68,914</td>
</tr>
<tr>
<td>27</td>
<td>COMMON COMPUTER RESOURCES</td>
<td>124,838</td>
<td>124,838</td>
</tr>
<tr>
<td>28</td>
<td>COMMAND POST SYSTEMS</td>
<td>6,540</td>
<td>6,540</td>
</tr>
<tr>
<td>29</td>
<td>RENTAL SYSTEMS</td>
<td>279,680</td>
<td>279,680</td>
</tr>
<tr>
<td>30</td>
<td>COMM SWITCHING &amp; CONTROL SYSTEMS</td>
<td>36,849</td>
<td>36,849</td>
</tr>
<tr>
<td>31</td>
<td>COMM &amp; ELEC INFRASTRUCTURE SUPPORT</td>
<td>83,971</td>
<td>83,971</td>
</tr>
<tr>
<td>32</td>
<td>CLASSIFIED PROGRAMS</td>
<td>2,806</td>
<td>2,806</td>
</tr>
<tr>
<td>33</td>
<td>ADMINISTRATIVE VEHICLES</td>
<td>25,441</td>
<td>25,441</td>
</tr>
<tr>
<td>34</td>
<td>TACTICAL VEHICLES</td>
<td>11,192</td>
<td>11,192</td>
</tr>
<tr>
<td>35</td>
<td>MOTOR TRANSPORT MODIFICATIONS</td>
<td>607,012</td>
<td>607,012</td>
</tr>
<tr>
<td>36</td>
<td>FAMILY OF TACTICAL TRAILERS</td>
<td>2,293</td>
<td>2,293</td>
</tr>
<tr>
<td>37</td>
<td>TRAILERS</td>
<td>6,540</td>
<td>6,540</td>
</tr>
<tr>
<td>38</td>
<td>ENGINEER AND OTHER EQUIPMENT</td>
<td>496</td>
<td>496</td>
</tr>
<tr>
<td>39</td>
<td>ENVIRONMENTAL CONTROL EQUIP ASSORTED</td>
<td>54</td>
<td>54</td>
</tr>
<tr>
<td>40</td>
<td>TACTICAL FUEL SYSTEMS</td>
<td>21,062</td>
<td>21,062</td>
</tr>
<tr>
<td>41</td>
<td>POWER EQUIPMENT ASSORTED</td>
<td>5,290</td>
<td>5,290</td>
</tr>
<tr>
<td>42</td>
<td>AMPHIBIOUS SUPPORT EQUIPMENT</td>
<td>47,854</td>
<td>47,854</td>
</tr>
<tr>
<td>43</td>
<td>MATERIALS HANDLING EQUIPMENT</td>
<td>28,306</td>
<td>28,306</td>
</tr>
<tr>
<td>44</td>
<td>GENERAL PROPERTY</td>
<td>33,513</td>
<td>33,513</td>
</tr>
<tr>
<td>45</td>
<td>FIELD MEDICAL EQUIPMENT</td>
<td>52,040</td>
<td>52,040</td>
</tr>
<tr>
<td>46</td>
<td>TRAINING DEVICES</td>
<td>36,156</td>
<td>36,156</td>
</tr>
<tr>
<td>47</td>
<td>FAMILY OF CONSTRUCTION EQUIPMENT</td>
<td>606</td>
<td>606</td>
</tr>
<tr>
<td>48</td>
<td>FAMILY OF INTERNALLY TRANSPORTABLE VEH (ITV)</td>
<td>11,192</td>
<td>11,192</td>
</tr>
<tr>
<td>49</td>
<td>OTHER SUPPORT</td>
<td>11,698</td>
<td>11,698</td>
</tr>
<tr>
<td>50</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td>25,904</td>
<td>25,904</td>
</tr>
<tr>
<td>51</td>
<td>SPARES AND REPAIR PARTS</td>
<td>2,806,410</td>
<td>2,746,934</td>
</tr>
<tr>
<td>52</td>
<td>TOTAL PROCUREMENT, MARINE CORPS</td>
<td>2,806,410</td>
<td>2,746,934</td>
</tr>
<tr>
<td>53</td>
<td>AIRCRAFT PROCUREMENT, AIR FORCE</td>
<td>2,806,410</td>
<td>2,746,934</td>
</tr>
<tr>
<td>54</td>
<td>TACTICAL FORCES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>F-35</td>
<td>4,263,023</td>
<td>4,194,523</td>
</tr>
<tr>
<td>56</td>
<td>Program Reauthorization</td>
<td>-102,700</td>
<td>-102,700</td>
</tr>
<tr>
<td>57</td>
<td>F-35 AP</td>
<td>406,000</td>
<td>406,000</td>
</tr>
<tr>
<td>58</td>
<td>G/ATOR LIGHT ATTACK AIRCRAFT</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>59</td>
<td>Procurement of OA-X aircraft and long lead materials</td>
<td>-120,000</td>
<td>-120,000</td>
</tr>
<tr>
<td>60</td>
<td>OTHER COMBAT AIRCRAFT</td>
<td>222,176</td>
<td>222,176</td>
</tr>
<tr>
<td>61</td>
<td>C-21B</td>
<td>2,539,911</td>
<td>2,539,911</td>
</tr>
<tr>
<td>62</td>
<td>KC-135 TANKER</td>
<td>-145,200</td>
<td>-145,200</td>
</tr>
<tr>
<td>63</td>
<td>Tactical airlift support</td>
<td>-102,700</td>
<td>-102,700</td>
</tr>
<tr>
<td>64</td>
<td>OTHER AIRLIFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>C-130J</td>
<td>35,858</td>
<td>35,858</td>
</tr>
<tr>
<td>66</td>
<td>HC-130J</td>
<td>129,479</td>
<td>129,479</td>
</tr>
<tr>
<td>67</td>
<td>MC-130J</td>
<td>770,201</td>
<td>770,201</td>
</tr>
<tr>
<td>68</td>
<td>MC-130J AP</td>
<td>218,000</td>
<td>218,000</td>
</tr>
<tr>
<td>69</td>
<td>HELICOPTERS</td>
<td>600,201</td>
<td>600,201</td>
</tr>
<tr>
<td>70</td>
<td>COMBAT RESCUE HELICOPTER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>71</td>
<td>MISSION SUPPORT AIRCRAFT</td>
<td>2,719</td>
<td>2,719</td>
</tr>
<tr>
<td>72</td>
<td>CIVIL AIR PATROL, AN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>73</td>
<td>OTHER AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>TARGET DRONES</td>
<td>139,072</td>
<td>139,072</td>
</tr>
<tr>
<td>75</td>
<td>COMPASS CALL MODES</td>
<td>108,113</td>
<td>108,113</td>
</tr>
<tr>
<td>76</td>
<td>MQ-9</td>
<td>242,707</td>
<td>242,707</td>
</tr>
<tr>
<td>77</td>
<td>Increase in workforce: Advanced Battle Management System</td>
<td>120,000</td>
<td>120,000</td>
</tr>
<tr>
<td>78</td>
<td>STRATEGIC AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>79</td>
<td>B-2A</td>
<td>60,201</td>
<td>60,201</td>
</tr>
<tr>
<td>80</td>
<td>B-1B</td>
<td>52,280</td>
<td>52,280</td>
</tr>
<tr>
<td>81</td>
<td>B-52</td>
<td>105,021</td>
<td>105,021</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TACTICAL AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>A-10</td>
<td>95,729</td>
<td>163,729</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>C-130</td>
<td>10,932</td>
<td>10,932</td>
</tr>
<tr>
<td>25</td>
<td>F-15</td>
<td>548,109</td>
<td>548,109</td>
</tr>
<tr>
<td>26</td>
<td>F-16</td>
<td>324,323</td>
<td>324,323</td>
</tr>
<tr>
<td>27</td>
<td>F-22A</td>
<td>250,710</td>
<td>250,710</td>
</tr>
<tr>
<td>28</td>
<td>F-35 MODIFICATIONS</td>
<td>247,771</td>
<td>247,771</td>
</tr>
<tr>
<td>29</td>
<td>F-35A Modifications increase</td>
<td></td>
<td>29,000</td>
</tr>
<tr>
<td>30</td>
<td>F-15 EAW</td>
<td>147,685</td>
<td>147,685</td>
</tr>
<tr>
<td>31</td>
<td>INCREMENT 3.2B</td>
<td>9,607</td>
<td>9,607</td>
</tr>
<tr>
<td>32</td>
<td>KC-135 TANKER</td>
<td>8,547</td>
<td>8,547</td>
</tr>
<tr>
<td></td>
<td>AIRLIFT AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>C-5</td>
<td>77,845</td>
<td>77,845</td>
</tr>
<tr>
<td>34</td>
<td>C-17A</td>
<td>102,121</td>
<td>102,121</td>
</tr>
<tr>
<td>35</td>
<td>C-21</td>
<td>17,316</td>
<td>17,316</td>
</tr>
<tr>
<td>36</td>
<td>C-2A</td>
<td>4,557</td>
<td>4,557</td>
</tr>
<tr>
<td>37</td>
<td>C-2A</td>
<td>419</td>
<td>419</td>
</tr>
<tr>
<td></td>
<td>TRAINER AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>T-6</td>
<td>22,952</td>
<td>22,952</td>
</tr>
<tr>
<td>39</td>
<td>T-28</td>
<td>70,623</td>
<td>70,623</td>
</tr>
<tr>
<td></td>
<td>OTHER AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>U-2 MODS</td>
<td>48,474</td>
<td>48,474</td>
</tr>
<tr>
<td>41</td>
<td>KC-130 (ATCA)</td>
<td>11,104</td>
<td>11,104</td>
</tr>
<tr>
<td>42</td>
<td>C-13</td>
<td>4,900</td>
<td>4,900</td>
</tr>
<tr>
<td>43</td>
<td>YC-25A MOD</td>
<td>36,939</td>
<td>36,939</td>
</tr>
<tr>
<td>44</td>
<td>C-20</td>
<td>251</td>
<td>251</td>
</tr>
<tr>
<td>45</td>
<td>C-130</td>
<td>22,094</td>
<td>22,094</td>
</tr>
<tr>
<td></td>
<td>T56 Series 5.5 Engine Enhancement packages</td>
<td></td>
<td>71,000</td>
</tr>
<tr>
<td>46</td>
<td>C-130 MODS</td>
<td>122,845</td>
<td>122,845</td>
</tr>
<tr>
<td>47</td>
<td>C-175</td>
<td>113,056</td>
<td>113,056</td>
</tr>
<tr>
<td>48</td>
<td>OC-135R</td>
<td>5,913</td>
<td>5,913</td>
</tr>
<tr>
<td>49</td>
<td>COMPASS CALL MODS</td>
<td>49,885</td>
<td>49,885</td>
</tr>
<tr>
<td>50</td>
<td>C-130 MODS</td>
<td>25,715</td>
<td>25,715</td>
</tr>
<tr>
<td>51</td>
<td>C-130 MODS</td>
<td>37,754</td>
<td>37,754</td>
</tr>
<tr>
<td>52</td>
<td>OTHER AIRCRAFT</td>
<td>62,919</td>
<td>62,919</td>
</tr>
<tr>
<td>53</td>
<td>MQ-9 MODS</td>
<td>177,548</td>
<td>177,548</td>
</tr>
<tr>
<td>54</td>
<td>CV-22 MODS</td>
<td>60,416</td>
<td>60,416</td>
</tr>
<tr>
<td></td>
<td>AIRCRAFT SPARES AND REPAIR PARTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>INITIAL SPARES/REPAIR PARTS</td>
<td>956,408</td>
<td>1,006,408</td>
</tr>
<tr>
<td>56</td>
<td>F-35A spares</td>
<td></td>
<td>50,000</td>
</tr>
<tr>
<td></td>
<td>COMMON SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>57</td>
<td>AIRCRAFT REPLACEMENT SUPPORT EQUIP</td>
<td>81,241</td>
<td>81,241</td>
</tr>
<tr>
<td></td>
<td>POST PRODUCTION SUPPORT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>B-2A</td>
<td>1,760</td>
<td>1,760</td>
</tr>
<tr>
<td>59</td>
<td>B-2B</td>
<td>35,862</td>
<td>35,862</td>
</tr>
<tr>
<td>60</td>
<td>B-2C</td>
<td>13,919</td>
<td>13,919</td>
</tr>
<tr>
<td>61</td>
<td>C-17A</td>
<td>10,114</td>
<td>10,114</td>
</tr>
<tr>
<td>62</td>
<td>F-15</td>
<td>2,545</td>
<td>2,545</td>
</tr>
<tr>
<td>63</td>
<td>F-16</td>
<td>11,718</td>
<td>11,718</td>
</tr>
<tr>
<td>64</td>
<td>F-22A</td>
<td>14,469</td>
<td>14,469</td>
</tr>
<tr>
<td>65</td>
<td>OTHER AIRCRAFT</td>
<td>9,938</td>
<td>9,938</td>
</tr>
<tr>
<td>66</td>
<td>MQ-9 POST PRODUCTION CHARGES</td>
<td>40,641</td>
<td>40,641</td>
</tr>
<tr>
<td></td>
<td>INDUSTRIAL PREPAREDNESS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>67</td>
<td>INDUSTRIAL RESERVECENTENES</td>
<td>17,378</td>
<td>17,378</td>
</tr>
<tr>
<td>68</td>
<td>WAR CONSUMABLES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>69</td>
<td>WAR CONSUMABLES</td>
<td>28,379</td>
<td>28,379</td>
</tr>
<tr>
<td></td>
<td>OTHER PRODUCTION CHARGES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>70</td>
<td>OTHER PRODUCTION CHARGES</td>
<td>1,502,386</td>
<td>1,502,386</td>
</tr>
<tr>
<td></td>
<td>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</td>
<td>16,206,937</td>
<td>16,620,737</td>
</tr>
</tbody>
</table>

MISSILE PROCUREMENT, AIR FORCE
MISSILE REPLACEMENT EQUIPMENT—BALLISTIC

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MISSILE REPLACEMENT EQ-BALLISTIC</td>
<td>36,786</td>
<td>36,786</td>
</tr>
<tr>
<td>2</td>
<td>TACTICAL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Joint Air-Surface Standoff Missile</td>
<td>430,508</td>
<td>430,508</td>
</tr>
<tr>
<td>4</td>
<td>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>SPACE PROCUREMENT, AIR FORCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>SPACE PROGRAMS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>ROCKETS</td>
<td>345,911</td>
<td>345,911</td>
</tr>
<tr>
<td>8</td>
<td>UTILITY ITEMS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>SPACE SPARES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>TOTAL SPACE PROCUREMENT, AIR FORCE</td>
<td>2,527,542</td>
<td>2,527,542</td>
</tr>
<tr>
<td>11</td>
<td>PROCUREMENT OF AMMUNITION, AIR FORCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>ROCKETS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>CARTRIDGES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>BOMBS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE</td>
<td>1,587,304</td>
<td>1,587,304</td>
</tr>
<tr>
<td>16</td>
<td>OTHER PROCUREMENT, AIR FORCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

† HR 5515 PAP
## SEC. 4101. PROCUREMENT

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PASSENGER CARRYING VEHICLES</td>
<td>6,949</td>
<td>6,949</td>
</tr>
<tr>
<td>2</td>
<td>CARGO AND UTILITY VEHICLES</td>
<td>36,002</td>
<td>36,002</td>
</tr>
<tr>
<td>3</td>
<td>MEDIUM TACTICAL VEHICLE</td>
<td>1,022</td>
<td>1,022</td>
</tr>
<tr>
<td>4</td>
<td>MEDIUM TACTICAL VEHICLE</td>
<td>42,696</td>
<td>48,979</td>
</tr>
<tr>
<td>5</td>
<td>MEDIUM TACTICAL VEHICLE</td>
<td>50,145</td>
<td>50,145</td>
</tr>
<tr>
<td>6</td>
<td>SECURITY AND TACTICAL VEHICLES</td>
<td>2,230</td>
<td>2,961</td>
</tr>
<tr>
<td>7</td>
<td>SPECIAL PURPOSE VEHICLES</td>
<td>15,003</td>
<td>15,003</td>
</tr>
<tr>
<td>8</td>
<td>TACTICAL AIR CARRIER SUPPORT VEHICLES</td>
<td>22,028</td>
<td>22,309</td>
</tr>
<tr>
<td>9</td>
<td>MATERIALS HANDLING EQUIPMENT</td>
<td>11,337</td>
<td>11,337</td>
</tr>
<tr>
<td>10</td>
<td>BASE MAINTENANCE SUPPORT</td>
<td>37,680</td>
<td>40,353</td>
</tr>
<tr>
<td>11</td>
<td>COMM SECURITY EQUIPMENT</td>
<td>104,921</td>
<td>104,921</td>
</tr>
<tr>
<td>12</td>
<td>COGS-ACCOUNTING</td>
<td>114,372</td>
<td>114,372</td>
</tr>
<tr>
<td>13</td>
<td>INTELLIGENCE PROGRAMS</td>
<td>8,299</td>
<td>8,299</td>
</tr>
<tr>
<td>14</td>
<td>INTELLIGENCE TRAINING EQUIPMENT</td>
<td>2,099</td>
<td>2,099</td>
</tr>
<tr>
<td>15</td>
<td>INTELLIGENCE COMM EQUIPMENT</td>
<td>37,415</td>
<td>37,415</td>
</tr>
<tr>
<td>16</td>
<td>ELECTRONICS PROGRAMS</td>
<td>52,937</td>
<td>52,937</td>
</tr>
<tr>
<td>17</td>
<td>ELECTRONICS PROGRAMS</td>
<td>3,012</td>
<td>3,012</td>
</tr>
<tr>
<td>18</td>
<td>ELECTRONICS PROGRAMS</td>
<td>19,989</td>
<td>19,989</td>
</tr>
<tr>
<td>19</td>
<td>ELECTRONICS PROGRAMS</td>
<td>43,036</td>
<td>43,036</td>
</tr>
<tr>
<td>20</td>
<td>ELECTRONICS PROGRAMS</td>
<td>32,836</td>
<td>32,836</td>
</tr>
<tr>
<td>21</td>
<td>ELECTRONICS PROGRAMS</td>
<td>14,263</td>
<td>14,263</td>
</tr>
<tr>
<td>22</td>
<td>ELECTRONICS PROGRAMS</td>
<td>32,836</td>
<td>32,836</td>
</tr>
<tr>
<td>23</td>
<td>ELECTRONICS PROGRAMS</td>
<td>14,263</td>
<td>14,263</td>
</tr>
<tr>
<td>24</td>
<td>ELECTRONICS PROGRAMS</td>
<td>7,769</td>
<td>7,769</td>
</tr>
<tr>
<td>25</td>
<td>ELECTRONICS PROGRAMS</td>
<td>40,450</td>
<td>40,450</td>
</tr>
<tr>
<td>26</td>
<td>ELECTRONICS PROGRAMS</td>
<td>6,659</td>
<td>6,659</td>
</tr>
<tr>
<td>27</td>
<td>ELECTRONICS PROGRAMS</td>
<td>10,192</td>
<td>10,192</td>
</tr>
<tr>
<td>28</td>
<td>ELECTRONICS PROGRAMS</td>
<td>170,312</td>
<td>162,213</td>
</tr>
<tr>
<td>29</td>
<td>ELECTRONICS PROGRAMS</td>
<td>132,375</td>
<td>132,375</td>
</tr>
<tr>
<td>30</td>
<td>ELECTRONICS PROGRAMS</td>
<td>92,104</td>
<td>92,104</td>
</tr>
<tr>
<td>31</td>
<td>ELECTRONICS PROGRAMS</td>
<td>45,152</td>
<td>45,152</td>
</tr>
<tr>
<td>32</td>
<td>ELECTRONICS PROGRAMS</td>
<td>483</td>
<td>483</td>
</tr>
<tr>
<td>33</td>
<td>ELECTRONICS PROGRAMS</td>
<td>902</td>
<td>902</td>
</tr>
<tr>
<td>34</td>
<td>ELECTRONICS PROGRAMS</td>
<td>12,267</td>
<td>12,267</td>
</tr>
<tr>
<td>35</td>
<td>ELECTRONICS PROGRAMS</td>
<td>7,444</td>
<td>7,444</td>
</tr>
<tr>
<td>36</td>
<td>ELECTRONICS PROGRAMS</td>
<td>40,066</td>
<td>40,066</td>
</tr>
<tr>
<td>37</td>
<td>ELECTRONICS PROGRAMS</td>
<td>22,357</td>
<td>22,357</td>
</tr>
<tr>
<td>38</td>
<td>ELECTRONICS PROGRAMS</td>
<td>102,836</td>
<td>102,836</td>
</tr>
<tr>
<td>39</td>
<td>ELECTRONICS PROGRAMS</td>
<td>5,145</td>
<td>5,145</td>
</tr>
<tr>
<td>40</td>
<td>ELECTRONICS PROGRAMS</td>
<td>15,194</td>
<td>15,194</td>
</tr>
<tr>
<td>41</td>
<td>ELECTRONICS PROGRAMS</td>
<td>162,213</td>
<td>162,213</td>
</tr>
<tr>
<td>42</td>
<td>ELECTRONICS PROGRAMS</td>
<td>13,142</td>
<td>13,142</td>
</tr>
<tr>
<td>43</td>
<td>ELECTRONICS PROGRAMS</td>
<td>6,505</td>
<td>6,505</td>
</tr>
<tr>
<td>44</td>
<td>ELECTRONICS PROGRAMS</td>
<td>169,404</td>
<td>169,404</td>
</tr>
<tr>
<td>45</td>
<td>ELECTRONICS PROGRAMS</td>
<td>10,654</td>
<td>10,654</td>
</tr>
<tr>
<td>46</td>
<td>ELECTRONICS PROGRAMS</td>
<td>51,906</td>
<td>51,906</td>
</tr>
<tr>
<td>47</td>
<td>ELECTRONICS PROGRAMS</td>
<td>88,298</td>
<td>88,298</td>
</tr>
<tr>
<td>48</td>
<td>ELECTRONICS PROGRAMS</td>
<td>17,031</td>
<td>17,031</td>
</tr>
<tr>
<td>49</td>
<td>ELECTRONICS PROGRAMS</td>
<td>82,855</td>
<td>82,855</td>
</tr>
<tr>
<td>50</td>
<td>ELECTRONICS PROGRAMS</td>
<td>9,549</td>
<td>9,549</td>
</tr>
<tr>
<td>51</td>
<td>ELECTRONICS PROGRAMS</td>
<td>24,065</td>
<td>23,024</td>
</tr>
<tr>
<td>52</td>
<td>ELECTRONICS PROGRAMS</td>
<td>26,262</td>
<td>26,262</td>
</tr>
<tr>
<td>53</td>
<td>ELECTRONICS PROGRAMS</td>
<td>449,280</td>
<td>449,280</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
### SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>61</td>
<td>LINE ITEM FY 2019</td>
<td>913,813</td>
<td>913,813</td>
</tr>
<tr>
<td>62</td>
<td>CLASSIFIED PROGRAMS</td>
<td>17,256,069</td>
<td>17,256,069</td>
</tr>
<tr>
<td>63</td>
<td>SPARES AND REPAIR PARTS</td>
<td>86,365</td>
<td>86,365</td>
</tr>
<tr>
<td>64</td>
<td>TOTAL OTHER PROCUREMENT, AIR FORCE</td>
<td>20,890,164</td>
<td>20,968,260</td>
</tr>
</tbody>
</table>

### PROCUREMENT, DEFENSE-WIDE

| MAJOR EQUIPMENT, OSD | 35,295 | 35,295 |
| MAJOR EQUIPMENT, NSA | 5,401 | 5,401 |
| MAJOR EQUIPMENT, WHS | 457 | 457 |
| MAJOR EQUIPMENT, DISA | 21,590 | 21,590 |
| MAJOR EQUIPMENT, DLA | 3,905 | 3,905 |
| MAJOR EQUIPMENT, DSS | 2,996 | 2,996 |
| MAJOR EQUIPMENT, TJS | 4,360 | 4,360 |
| MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY | 904 | 904 |
| MAJOR EQUIPMENT, DHRA | 10,630 | 10,630 |
| MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY | 1,958,890 | 1,958,890 |
| MAJOR EQUIPMENT, DODA | 13,185 | 13,185 |
| MAJOR EQUIPMENT, DCMA | 50,600 | 50,600 |
| MAJOR EQUIPMENT, DACT | 15,000 | 15,000 |
| MAJOR EQUIPMENT | 70,000 | 70,000 |
| MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY | 904 | 904 |
| MAJOR EQUIPMENT, DHRA | 10,630 | 10,630 |
| MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY | 1,958,890 | 1,958,890 |
| MAJOR EQUIPMENT, DODA | 13,185 | 13,185 |
| MAJOR EQUIPMENT, DCMA | 50,600 | 50,600 |
| MAJOR EQUIPMENT, DACT | 15,000 | 15,000 |
| MAJOR EQUIPMENT | 70,000 | 70,000 |
| MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY | 904 | 904 |
| MAJOR EQUIPMENT, DHRA | 10,630 | 10,630 |
| MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY | 1,958,890 | 1,958,890 |
| MAJOR EQUIPMENT, DODA | 13,185 | 13,185 |
| MAJOR EQUIPMENT, DCMA | 50,600 | 50,600 |
| MAJOR EQUIPMENT, DACT | 15,000 | 15,000 |
| MAJOR EQUIPMENT | 70,000 | 70,000 |
| MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY | 904 | 904 |
| MAJOR EQUIPMENT, DHRA | 10,630 | 10,630 |
| MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY | 1,958,890 | 1,958,890 |
| MAJOR EQUIPMENT, DODA | 13,185 | 13,185 |
| MAJOR EQUIPMENT, DCMA | 50,600 | 50,600 |
| MAJOR EQUIPMENT, DACT | 15,000 | 15,000 |
| MAJOR EQUIPMENT | 70,000 | 70,000 |
| MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY | 904 | 904 |
| MAJOR EQUIPMENT, DHRA | 10,630 | 10,630 |
| MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY | 1,958,890 | 1,958,890 |
| MAJOR EQUIPMENT, DODA | 13,185 | 13,185 |
| MAJOR EQUIPMENT, DCMA | 50,600 | 50,600 |
| MAJOR EQUIPMENT, DACT | 15,000 | 15,000 |
| MAJOR EQUIPMENT | 70,000 | 70,000 |
SEC. 4101. PROCUREMENT 
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>64</td>
<td>OTHER ITEMS &lt;$5M</td>
<td>112,117</td>
<td>112,117</td>
</tr>
<tr>
<td>65</td>
<td>COMBATANT CRFT SYSTEMS</td>
<td>7,131</td>
<td>7,131</td>
</tr>
<tr>
<td>66</td>
<td>SPECIAL PROGRAMS</td>
<td>14,926</td>
<td>14,926</td>
</tr>
<tr>
<td>67</td>
<td>TACTICAL VEHICLES</td>
<td>88,608</td>
<td>88,608</td>
</tr>
<tr>
<td>68</td>
<td>WARRIOR SYSTEMS &lt;$5M</td>
<td>438,590</td>
<td>438,590</td>
</tr>
<tr>
<td>69</td>
<td>COMBAT MISSION REQUIREMENTS</td>
<td>19,408</td>
<td>19,408</td>
</tr>
<tr>
<td>70</td>
<td>GLOBAL VIDEO SURVEILLANCE ACTIVITIES</td>
<td>6,281</td>
<td>6,281</td>
</tr>
<tr>
<td>71</td>
<td>OPERATIONAL ENHANCEMENTS INTELLIGENCE</td>
<td>18,509</td>
<td>18,509</td>
</tr>
<tr>
<td>72</td>
<td>OPERATIONAL ENHANCEMENTS</td>
<td>367,433</td>
<td>367,433</td>
</tr>
<tr>
<td>73</td>
<td>CBP</td>
<td>166,418</td>
<td>166,418</td>
</tr>
<tr>
<td>74</td>
<td>CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS</td>
<td>144,519</td>
<td>144,519</td>
</tr>
<tr>
<td>75</td>
<td>CH PROTECTION &amp; HAZARD MITIGATION</td>
<td>6,786,271</td>
<td>6,786,771</td>
</tr>
</tbody>
</table>

TOTAL PROCUREMENT | 130,526,043 | 131,998,763 |

JOINT URGENT OPERATIONAL NEEDS FUND

1 JOINT URGENT OPERATIONAL NEEDS FUND | 100,025 | 100,025 |

TOTAL JOINT URGENT OPERATIONAL NEEDS FUND | 100,025 | 100,025 |

TOTAL PROCUREMENT | 130,526,043 | 131,998,763 |

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS 
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>MQ-1 UAV</td>
<td>60,000</td>
<td>60,000</td>
</tr>
<tr>
<td>11</td>
<td>CH-47 HELICOPTER</td>
<td>21,346</td>
<td>21,346</td>
</tr>
<tr>
<td>14</td>
<td>MODIFICATION OF AIRCRAFT</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td>17</td>
<td>MQ-1 PAVILIO (MP)</td>
<td>11,400</td>
<td>11,400</td>
</tr>
<tr>
<td>19</td>
<td>GRAY EAGLE MODS</td>
<td>52,900</td>
<td>52,900</td>
</tr>
<tr>
<td>20</td>
<td>MULTI SENSOR ARV RECON (MP)</td>
<td>52,000</td>
<td>52,000</td>
</tr>
<tr>
<td>32</td>
<td>RQ-7 UAV MODS</td>
<td>50,868</td>
<td>50,868</td>
</tr>
<tr>
<td>33</td>
<td>UAS MODS</td>
<td>3,402</td>
<td>3,402</td>
</tr>
</tbody>
</table>

GROUND SUPPORT AVIONICS

36 CMWS | 84,387 | 84,387 |

37 COMMON INFRARED COUNTERMEASURES (CICM) | 24,060 | 24,060 |

TOTAL AIRCRAFT PROCUREMENT, ARMY | 363,363 | 363,363 |

MISSILE PROCUREMENT, ARMY

SURFACE-TO-AIR MISSILE SYSTEM

2 MSE MISSILE | 260,000 | 260,000 |

4 HELIFIRE SUMMARY | 255,040 | 255,040 |

ANTI-TANK ASSAULT MISSILE SYSTEM

8 JAVELIN LAW-MS SYSTEM SUMMARY | 31,120 | 31,120 |

11 GUIDED MLRS BATTERY (GMLRS) | 624,300 | 624,300 |

13 HIGH MOBILITY ARTILLERY ROCKETS SYSTEM (HMARS) | 171,126 | 171,126 |

14 LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS) | 102,973 | 102,973 |

MODIFICATIONS

16 ATACMS MODS | 225,380 | 225,380 |

21 MLRS MODS | 122,000 | 122,000 |

TOTAL MISSILE PROCUREMENT, ARMY | 1,802,351 | 1,802,351 |

PROCUREMENT OF WA&TCV, ARMY

TRACKED COMBAT VEHICLES

1 BRADLEY PROGRAM | 205,000 | 205,000 |

2 ARMORED MULTI PURPOSE VEHICLE (AMV) | 230,239 | 230,239 |

6 MODIFICATION OF TRACKED COMBAT VEHICLES

6 BRADLEY PROGRAM (MOD) | 50,000 | 50,000 |

8 PALADIN INTEGRATED MANAGEMENT (PIM) | 62,000 | 62,000 |

9 UH-60 BLACKHAWK M MODEL (MYP) | 21,246 | 21,246 |

14 M1 ABRAMS TANK (MOD) | 34,000 | 34,000 |

15 ABRAMS UPGRADE PROGRAM | 455,000 | 455,000 |

WEAPONS & OTHER COMBAT VEHICLES

18 M1A1 MEDIUM MACHINE GUN (MG) | 63,412 | 63,412 |

22 MORTAR SYSTEMS | 10,722 | 10,722 |

† HR 5515 PAP
**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>Carbine</td>
<td>1,800</td>
<td>1,800</td>
</tr>
<tr>
<td>27</td>
<td>Common Remotely Operated Weapons Station</td>
<td>3,378</td>
<td>3,378</td>
</tr>
<tr>
<td>32</td>
<td>MOD of Weapons and Other Combat Veh</td>
<td>4,920</td>
<td>4,920</td>
</tr>
<tr>
<td>34</td>
<td>M160 Medium Machine Gun Mods</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>29</td>
<td>Support Equipment &amp; Facilities</td>
<td>1,397</td>
<td>1,397</td>
</tr>
<tr>
<td>5</td>
<td><strong>TOTAL PROCUREMENT OF W&amp;TCV, ARMY</strong></td>
<td><strong>1,107,183</strong></td>
<td><strong>1,107,183</strong></td>
</tr>
</tbody>
</table>

**PROCUREMENT OF AMMUNITION, ARMY**

<table>
<thead>
<tr>
<th>Small/Medium Cal Ammunition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 CTM, 5.56mm, All Types</td>
</tr>
<tr>
<td>2 CTM, 7.62mm, All Types</td>
</tr>
<tr>
<td>3 CTM, Handgun, All Types</td>
</tr>
<tr>
<td>4 CTM, 50 Cal, All Types</td>
</tr>
<tr>
<td>5 CTM, 20mm, All Types</td>
</tr>
<tr>
<td>7 CTM, 30mm, All Types</td>
</tr>
</tbody>
</table>

**Mortar Ammunition**

| 9 60mm Mortar, All Types | 218 | 218 |
| 9 81mm Mortar, All Types | 484 | 484 |

**Artillery Ammunition**

| 14 Artillery Projectile, 155mm, All Types | 79,400 | 79,400 |
| 15 Proj 155mm Extended Range M9 | 72,955 | 72,955 |
| 16 Artillery Propellant, Propab and Primers, All | 63,900 | 63,900 |

**Rockets**

| 18 Shoulder Launched Missions, All Types | 22,242 | 22,242 |
| 19 Rocket, Hydra 70, All Types | 39,974 | 39,974 |

**Other Ammunition**

| 21 Demolition Missions, All Types | 5 | 5 |
| 22 Grenades, All Types | 8 | 8 |

**Miscellaneous**

| 27 Items Less Than $5 Million (AMMO) | 66 | 66 |
| 27 **TOTAL PROCUREMENT OF AMMUNITION, ARMY** | **309,525** | **309,525** |

**Other Procurement, Army**

<table>
<thead>
<tr>
<th>Tactical Vehicles</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Semitrailers, Flatbed</td>
</tr>
<tr>
<td>3 Ambulance, 6 Passenger, 1/4 Ton, 4x4</td>
</tr>
<tr>
<td>9 Family of Heavy Tactical Vehicles (FHTV)</td>
</tr>
<tr>
<td>12 HVY Expanded Mobile Tactical Truck Ext Serv</td>
</tr>
<tr>
<td>13 Tactical Wheeled Vehicle Protection Kits</td>
</tr>
<tr>
<td>14 Modernization of ISV Equip</td>
</tr>
</tbody>
</table>

**Comm—Satellite Communications**

| 28 Transportable Tactical Command Communications | 7,100 | 7,100 |

**Comm—Combat Communications**

| 27 Joint Tactical Radio System | 1,560 | 1,560 |
| 42 Tractor Rise | 13,190 | 13,190 |
| 45 Tactical Communications and Protective System | 5,549 | 5,549 |
| 47 Comms Communications Equipment | 22,000 | 22,000 |

**Comm—Intelligence Comm**

| 49 CI Automation Architecture (MIP) | 9,800 | 9,800 |

**Information Security**

| 55 Communications Security (OSS/SEC) | 3 | 3 |

**Comm—Long Haul Communications**

| 59 Base Support Communications | 600 | 600 |

**Comm—Base Communications**

| 60 Information Systems | 8,750 | 8,750 |
| 65 Installation Exp Infrastructure MOD Program | 60,557 | 60,557 |

**Elect Equip—Tact Int Rel Act (TIRACT)**

| 68 DCIS-A (MIP) | 37,806 | 37,806 |
| 70 TROLLAN (MIP) | 6,926 | 6,926 |

**Mod of In-SV Equip (Intelec Svcs) (MIP)**

| 71 Biometric Tactical Collection Devices (MIP) | 5,850 | 5,850 |

**Elect Equip—Electronic Warfare (EW)**

| 88 Crew | 42,651 | 42,651 |
| 95 Family of Persistent Surveillance Cap (MIP) | 20,050 | 20,050 |

**Counterintelligence/Security Coutermeasures**

| 98 Elect Equip—Tactical Surv (TAC SURV) | 12,974 | 12,974 |

**Elect Equip—Tactical Surv (TAC SURV)**

| 95 Night Vision Devices | 463 | 463 |
| 96 Long Range Advanced Scout Surveillance System | 2,862 | 2,862 |
| 98 Small Tactical Optical Rifle Mounted M2010 | 60 | 60 |

**Radiation Monitoring Systems**

| 98 Indirect Fire Protection Family of Systems | 251,662 | 251,662 |
| 98 Family of Weapon Suits (FWS) | 325 | 325 |
| 98 Joint Battle Command—Platform (JBCP) | 26,146 | 26,146 |
| 98 Mod of In-SV Equip (LLDR) | 4,050 | 4,050 |
| 98 Computer Ballistics; LUMBC; CM-12 | 560 | 560 |
| 98 Mortar Fire Control System | 7,469 | 7,469 |

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>99</td>
<td>COUNTERFIRE EAMINES</td>
<td>165,200</td>
<td>165,200</td>
</tr>
<tr>
<td>112</td>
<td>ELECT EQUIP—AUTOMATION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>121</td>
<td>AUTOMATED DATA PROCESSING EQUIP</td>
<td>28,475</td>
<td>28,475</td>
</tr>
<tr>
<td>122</td>
<td>CHEMICAL DEFENSIVE EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>123</td>
<td>PROTECTIVE SYSTEMS</td>
<td>27</td>
<td>27</td>
</tr>
<tr>
<td>124</td>
<td>FAMILY OF NON-LETHAL EQUIPMENT (FNLE)</td>
<td>20,200</td>
<td>20,200</td>
</tr>
<tr>
<td>125</td>
<td>BASE DEFENSE SYSTEMS</td>
<td>39,290</td>
<td>39,290</td>
</tr>
<tr>
<td>126</td>
<td>CHIN DEFENSE</td>
<td>2,317</td>
<td>2,317</td>
</tr>
<tr>
<td>127</td>
<td>ENGINEER (NON-CONSTRUCTION) EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>128</td>
<td>GEND STANDOFF MINING SYSTEM (GSTEMIS)</td>
<td>16,000</td>
<td>16,000</td>
</tr>
<tr>
<td>129</td>
<td>REMOTE DEMOLITION SYSTEM</td>
<td>4,850</td>
<td>4,850</td>
</tr>
<tr>
<td>130</td>
<td>ROBOTIC COMBAT SUPPORT SYSTEM (ROBS)</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>131</td>
<td>COMBAT SERVICE SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>HEATERS AND ETF'S</td>
<td>270</td>
<td>270</td>
</tr>
<tr>
<td>133</td>
<td>PERSONNEL RECOVERY SUPPORT SYSTEM (RESS)</td>
<td>4,300</td>
<td>4,300</td>
</tr>
<tr>
<td>134</td>
<td>GROUND SOLDIER SYSTEM</td>
<td>1,725</td>
<td>1,725</td>
</tr>
<tr>
<td>135</td>
<td>POLICE PROVIDER</td>
<td>55,800</td>
<td>55,800</td>
</tr>
<tr>
<td>136</td>
<td>FIELD PERIMETER EQUIPMENT</td>
<td>4,035</td>
<td>4,035</td>
</tr>
<tr>
<td>137</td>
<td>CARGO AIRDEL DEL &amp; PERSONNEL PARACHUTE SYSTEM</td>
<td>1,980</td>
<td>1,980</td>
</tr>
<tr>
<td>138</td>
<td>MEDICAL EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>139</td>
<td>CORE SUPPORT MEDICAL</td>
<td>17,527</td>
<td>17,527</td>
</tr>
<tr>
<td>140</td>
<td>MAINTENANCE EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>141</td>
<td>ITEMS LESS THAN $5.0M (MAINT EQ)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>142</td>
<td>CONSTRUCTION EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>143</td>
<td>HIGH MOBILITY ENGINEER EXCAVATOR (HME)</td>
<td>25,700</td>
<td>25,700</td>
</tr>
<tr>
<td>144</td>
<td>GENERATORS AND ASSOCIATED EQUIP</td>
<td>569</td>
<td>569</td>
</tr>
<tr>
<td>145</td>
<td>TEST MEASURE AND DIG EQUIPMENT (TMD)</td>
<td>9,485</td>
<td>9,485</td>
</tr>
<tr>
<td>146</td>
<td>OTHER SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>147</td>
<td>STANDARD STABILIZED BINOCULAR</td>
<td>33</td>
<td>33</td>
</tr>
<tr>
<td>148</td>
<td>RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT</td>
<td>18,000</td>
<td>18,000</td>
</tr>
<tr>
<td>149</td>
<td>PHYSICAL SECURITY SYSTEM</td>
<td>6,000</td>
<td>6,000</td>
</tr>
<tr>
<td>150</td>
<td>BASE LEVEL COMMON EQUIPMENT</td>
<td>2,900</td>
<td>2,900</td>
</tr>
<tr>
<td>151</td>
<td>MODIFICATION OF IN-SVC EQUIPMENT (OIA)</td>
<td>19,200</td>
<td>19,200</td>
</tr>
<tr>
<td>152</td>
<td>TOTAL OTHER PROCUREMENT, ARMY</td>
<td>1,382,047</td>
<td>1,382,047</td>
</tr>
<tr>
<td>153</td>
<td>AIRCRAFT PROCUREMENT, NAVY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>154</td>
<td>OTHER AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>155</td>
<td>MODIFICATION OF AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>156</td>
<td>STAIRS/60 SERIES</td>
<td>4,858</td>
<td>4,858</td>
</tr>
<tr>
<td>157</td>
<td>EP–3 SERIES</td>
<td>5,280</td>
<td>5,280</td>
</tr>
<tr>
<td>158</td>
<td>SPECIAL PROJECT AIRCRAFT</td>
<td>2,165</td>
<td>2,165</td>
</tr>
<tr>
<td>159</td>
<td>COMMON RCM EQUIPMENT</td>
<td>9,830</td>
<td>9,830</td>
</tr>
<tr>
<td>160</td>
<td>COMMON DEFENSIVE WEAPON SYSTEM</td>
<td>3,906</td>
<td>3,906</td>
</tr>
<tr>
<td>161</td>
<td>MODIFICATION OF IN-SVC EQUIPMENT (OIA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>162</td>
<td>TOTAL AIRCRAFT PROCUREMENT, NAVY</td>
<td>80,119</td>
<td>80,119</td>
</tr>
<tr>
<td>163</td>
<td>WEAPONS PROCUREMENT, NAVY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>164</td>
<td>STRATEGIC MISSILES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>165</td>
<td>TOTAL BOMBS</td>
<td>82,800</td>
<td>82,800</td>
</tr>
<tr>
<td>166</td>
<td>TACTICAL MISSILES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>167</td>
<td>AMRAAM</td>
<td>1,181</td>
<td>1,181</td>
</tr>
<tr>
<td>168</td>
<td>SIDWINDER</td>
<td>281</td>
<td>281</td>
</tr>
<tr>
<td>169</td>
<td>HELIBBANE</td>
<td>1,530</td>
<td>1,530</td>
</tr>
<tr>
<td>170</td>
<td>AERIAL TARGETS</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>171</td>
<td>GUNS AND GUN MOUNTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>172</td>
<td>SMALL ARMS AND WEAPONS</td>
<td>1,540</td>
<td>1,540</td>
</tr>
<tr>
<td>173</td>
<td>MODIFICATION OF GUNS AND GUN MOUNTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>174</td>
<td>GUN MOUNT M85</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>175</td>
<td>TOTAL WEAPONS PROCUREMENT, NAVY</td>
<td>14,134</td>
<td>96,934</td>
</tr>
<tr>
<td>176</td>
<td>PROCUREMENT OF AMMO, NAVY &amp; MC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>177</td>
<td>NAVY AMMUNITION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>178</td>
<td>GENERAL PURPOSE BOMBS</td>
<td>62,530</td>
<td>62,530</td>
</tr>
<tr>
<td>179</td>
<td>HJAM</td>
<td>30,079</td>
<td>30,079</td>
</tr>
<tr>
<td>180</td>
<td>AIRBORNE ROCKETS, ALL TYPES</td>
<td>2,261</td>
<td>2,261</td>
</tr>
<tr>
<td>181</td>
<td>MACHINE GUN AMMUNATION</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>182</td>
<td>CARTRIDGES &amp; CART-ACTIVATED DEVICES</td>
<td>5,214</td>
<td>5,214</td>
</tr>
<tr>
<td>183</td>
<td>AIR EXPENDABLE COUNTERMEASURES</td>
<td>16,390</td>
<td>16,390</td>
</tr>
<tr>
<td>184</td>
<td>LAV-TOS</td>
<td>747</td>
<td>747</td>
</tr>
<tr>
<td>185</td>
<td>OTHER SHIP GUN AMMUNION</td>
<td>2,538</td>
<td>2,538</td>
</tr>
<tr>
<td>186</td>
<td>PROTECTION AND DEMOLITION</td>
<td>1,907</td>
<td>1,907</td>
</tr>
<tr>
<td>187</td>
<td>AMMUNITION LESS THAN $5 MILLION</td>
<td>8,229</td>
<td>8,229</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>EXCESS BALANCES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>MARINE CORPS AMMUNITION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>DIRECT SUPPORT MUNITIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>INFANTRY WEAPONS AMMUNITION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>COMBAT SUPPORT MUNITIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>ARTILLERY MUNITIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>104</td>
<td>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>OTHER PROCUREMENT, NAVY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>OTHER SHIPBOARD EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>SMALL BOATS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>SQUARE BOATS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>FIXED SURVEILLANCE SYSTEM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>SATCOMS (EXCEPT MARCOM)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>SATELLITE COMMUNICATIONS SYSTEM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>CRYPTOLOGIC EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>SONOBuoYS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>64</td>
<td>OTHER ORDNANCE SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>99</td>
<td>EXPLOSIVE ORDNANCE SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>125</td>
<td>COMMAND SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>128</td>
<td>MEDICAL SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>129</td>
<td>ENVIRONMENTAL SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>PHYSICAL SECURITY EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>131</td>
<td>CLASSIFIED PROGRAMS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>TOTAL OTHER PROCUREMENT, NAVY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>134</td>
<td>PROCUREMENT, MARINE CORPS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>136</td>
<td>INTELL/COMM EQUIPMENT (NON-TEL)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>138</td>
<td>TACTICAL VEHICLES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>139</td>
<td>TACTICAL VEHICLES MODIFICATIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>ENGINEER AND OTHER EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>142</td>
<td>SUPPLY SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>143</td>
<td>FIRST DESTINATION TRANSPORTATION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>144</td>
<td>TOTAL PROCUREMENT, MARINE CORPS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>146</td>
<td>AIRCRAFT PROCUREMENT, AIR FORCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>147</td>
<td>OTHER AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>148</td>
<td>OTHER AIRCRAFT MODIFICATIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>B-39 RGM-109 FUMA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>152</td>
<td>AGRICULTURAL AND MEDICAL EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>153</td>
<td>STRATEGIC AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>154</td>
<td>TACTICAL AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>155</td>
<td>TACTICAL AIRCRAFT MODIFICATIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>157</td>
<td>AIRCRAFT SPARES &amp; REPAIR PARTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>158</td>
<td>COMMON SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>161</td>
<td>OTHER PROCUREMENT, AIR FORCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>162</td>
<td>MISSILE PROCUREMENT, AIR FORCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>163</td>
<td>TACTICAL MISSILES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>164</td>
<td>MISSILE PROCUREMENT, AIR FORCE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

† HR 5515 PAP
### SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

(\text{In Thousands of Dollars})

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>PREDATOR HELLFIRE MISSILE</td>
<td>255,000</td>
<td>255,000</td>
</tr>
<tr>
<td>7</td>
<td>SMALL DIAMETEE BOMB</td>
<td>140,724</td>
<td>140,724</td>
</tr>
<tr>
<td>13</td>
<td>AIM-120D MAVERICK III</td>
<td>33,602</td>
<td>33,602</td>
</tr>
<tr>
<td></td>
<td>TOTAL MISSILE PROCUREMENT, AIR FORCE</td>
<td>493,526</td>
<td>516,326</td>
</tr>
</tbody>
</table>

**PROCUREMENT OF AMMUNITION, AIR FORCE**

<table>
<thead>
<tr>
<th>Cartridges</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>6</td>
</tr>
<tr>
<td>15</td>
</tr>
<tr>
<td>16</td>
</tr>
<tr>
<td>TOTAL</td>
</tr>
</tbody>
</table>

**OTHER PROCUREMENT, AIR FORCE**

<table>
<thead>
<tr>
<th>Passenger Carrying Vehicles</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>Cargo and Utility Vehicles</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>Special Purpose Vehicles</td>
</tr>
<tr>
<td>6</td>
</tr>
<tr>
<td>7</td>
</tr>
<tr>
<td>FIRE FIGHTING EQUIPMENT</td>
</tr>
<tr>
<td>8</td>
</tr>
<tr>
<td>MATERIALS HANDLING EQUIPMENT</td>
</tr>
<tr>
<td>9</td>
</tr>
<tr>
<td>Base Maintenance Support</td>
</tr>
<tr>
<td>10</td>
</tr>
<tr>
<td>11</td>
</tr>
<tr>
<td>Intelligence Programs</td>
</tr>
<tr>
<td>15</td>
</tr>
<tr>
<td>ELECTRONICS PROGRAMS</td>
</tr>
<tr>
<td>16</td>
</tr>
<tr>
<td>29</td>
</tr>
<tr>
<td>37</td>
</tr>
<tr>
<td>ORGANIZATION AND BASE</td>
</tr>
<tr>
<td>45</td>
</tr>
<tr>
<td>PERSONAL SAFETY &amp; RESCUE EQUIPMENT</td>
</tr>
<tr>
<td>51</td>
</tr>
<tr>
<td>BASE SUPPORT EQUIPMENT</td>
</tr>
<tr>
<td>53</td>
</tr>
<tr>
<td>54</td>
</tr>
<tr>
<td>55</td>
</tr>
<tr>
<td>56</td>
</tr>
<tr>
<td>SPECIAL SUPPORT PROJECTS</td>
</tr>
<tr>
<td>59</td>
</tr>
<tr>
<td>TOTAL OTHER PROCUREMENT, AIR FORCE</td>
</tr>
</tbody>
</table>

**PROCUREMENT, DEFENSE-WIDE**

<table>
<thead>
<tr>
<th>MAJOR EQUIPMENT, DISA</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
</tr>
<tr>
<td>17</td>
</tr>
<tr>
<td>25</td>
</tr>
<tr>
<td>Classifed Programs</td>
</tr>
<tr>
<td>AVIATION PROGRAMS</td>
</tr>
<tr>
<td>47</td>
</tr>
<tr>
<td>48</td>
</tr>
<tr>
<td>49</td>
</tr>
<tr>
<td>51</td>
</tr>
<tr>
<td>52</td>
</tr>
<tr>
<td>53</td>
</tr>
<tr>
<td>54</td>
</tr>
<tr>
<td>AMMUNITION PROGRAMS</td>
</tr>
<tr>
<td>61</td>
</tr>
<tr>
<td>OTHER PROCUREMENT PROGRAMS</td>
</tr>
<tr>
<td>62</td>
</tr>
<tr>
<td>64</td>
</tr>
</tbody>
</table>
### SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>67</td>
<td>TACTICAL VEHICLES</td>
<td>59,894</td>
<td>59,894</td>
</tr>
<tr>
<td>68</td>
<td>WARRIOR SYSTEMS &lt;$5M</td>
<td>21,135</td>
<td>21,135</td>
</tr>
<tr>
<td>69</td>
<td>COMBAT MISSION REQUIREMENTS</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>71</td>
<td>OPERATIONAL ENHANCEMENTS INTELLIGENCE</td>
<td>10,905</td>
<td>10,905</td>
</tr>
<tr>
<td>72</td>
<td>OPERATIONAL ENHANCEMENTS</td>
<td>126,539</td>
<td>126,539</td>
</tr>
<tr>
<td><strong>TOTAL PROCUREMENT, DEFENSE-WIDE</strong></td>
<td><strong>572,135</strong></td>
<td><strong>572,135</strong></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL PROCUREMENT** 12,782,468 12,886,068

---

### TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>IN-HOUSE LABORATORY INDEPENDENT RESEARCH</td>
<td>11,255</td>
<td>11,255</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>DEFENSE RESEARCH SCIENCES</td>
<td>276,912</td>
<td>289,412</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UNIVERSITY RESEARCH INITIATIVES</td>
<td>65,283</td>
<td>65,283</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>UNIVERSITY AND INDUSTRY RESEARCH CENTERS</td>
<td>92,115</td>
<td>90,115</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL BASIC RESEARCH</strong></td>
<td><strong>445,895</strong></td>
<td><strong>463,395</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### APPLIED RESEARCH

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MATERIALS TECHNOLOGY</td>
<td>28,600</td>
<td>28,600</td>
</tr>
<tr>
<td>2</td>
<td>SENSORS AND ELECTRONIC SURVIVABILITY</td>
<td>32,906</td>
<td>32,906</td>
</tr>
<tr>
<td>3</td>
<td>TRACTOR HIP</td>
<td>8,674</td>
<td>8,674</td>
</tr>
<tr>
<td>4</td>
<td>TRACTOR JACK</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td>5</td>
<td>AVIATION TECHNOLOGY</td>
<td>64,847</td>
<td>69,847</td>
</tr>
<tr>
<td>6</td>
<td>ELECTRONIC WARFARE TECHNOLOGY</td>
<td>25,571</td>
<td>25,571</td>
</tr>
<tr>
<td>7</td>
<td>MISSILE TECHNOLOGY</td>
<td>50,183</td>
<td>50,183</td>
</tr>
<tr>
<td>8</td>
<td>ADVANCED WEAPONS TECHNOLOGY</td>
<td>29,502</td>
<td>29,502</td>
</tr>
<tr>
<td>9</td>
<td>ADVANCED CONCEPTS AND SIMULATION</td>
<td>28,500</td>
<td>28,500</td>
</tr>
<tr>
<td>10</td>
<td>Pilot for cyber modeling and simulation</td>
<td>[10,000]</td>
<td>[10,000]</td>
</tr>
<tr>
<td>11</td>
<td>COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY</td>
<td>70,450</td>
<td>70,450</td>
</tr>
<tr>
<td>12</td>
<td>BALLISTICS TECHNOLOGY</td>
<td>75,541</td>
<td>75,541</td>
</tr>
<tr>
<td>13</td>
<td>CHEMICAL, BIOWARFARE AND DECOMMISSIONING TECHNOLOGY</td>
<td>5,002</td>
<td>5,002</td>
</tr>
<tr>
<td>14</td>
<td>JOINT SERVICE SMALL ARMS PROGRAM</td>
<td>12,394</td>
<td>12,394</td>
</tr>
<tr>
<td>15</td>
<td>WEAPONS AND MunITIONS TECHNOLOGY</td>
<td>40,444</td>
<td>42,444</td>
</tr>
<tr>
<td>16</td>
<td>ELECTRONICS AND ELECTRO-MECH DEVICES</td>
<td>58,283</td>
<td>58,283</td>
</tr>
<tr>
<td>17</td>
<td>NIGHT VISION TECHNOLOGY</td>
<td>29,502</td>
<td>29,502</td>
</tr>
<tr>
<td>18</td>
<td>COUNTERMEASURES TECHNOLOGY</td>
<td>21,244</td>
<td>21,244</td>
</tr>
<tr>
<td>19</td>
<td>HUMAN FACTORS ENGINEERING TECHNOLOGY</td>
<td>24,131</td>
<td>26,612</td>
</tr>
<tr>
<td>20</td>
<td>ENVIRONMENTAL QUALITY TECHNOLOGY</td>
<td>13,242</td>
<td>13,242</td>
</tr>
<tr>
<td>21</td>
<td>COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY</td>
<td>55,032</td>
<td>50,032</td>
</tr>
<tr>
<td>22</td>
<td>COMPUTER AND SOFTWARE TECHNOLOGY</td>
<td>14,558</td>
<td>14,558</td>
</tr>
<tr>
<td>23</td>
<td>MILITARY ENGINEERING TECHNOLOGY</td>
<td>78,159</td>
<td>78,159</td>
</tr>
<tr>
<td>24</td>
<td>MANPOWER/PERSONNEL/TRAINING TECHNOLOGY</td>
<td>22,862</td>
<td>21,362</td>
</tr>
<tr>
<td>25</td>
<td>WARRIOR TECHNOLOGY</td>
<td>40,566</td>
<td>40,566</td>
</tr>
<tr>
<td>26</td>
<td>MEDICAL TECHNOLOGY</td>
<td>99,075</td>
<td>90,075</td>
</tr>
<tr>
<td><strong>SUBTOTAL APPLIED RESEARCH</strong></td>
<td><strong>919,609</strong></td>
<td><strong>929,609</strong></td>
<td></td>
</tr>
</tbody>
</table>

### ADVANCED TECHNOLOGY DEVELOPMENT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>WARRIORMT ADVANCED TECHNOLOGY</td>
<td>29,502</td>
<td>29,502</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>0603604A</td>
<td>MEDICAL ADVANCED TECHNOLOGY</td>
<td>62,496</td>
<td>62,496</td>
</tr>
<tr>
<td>32</td>
<td>0603604A</td>
<td>AVIATION ADVANCED TECHNOLOGY</td>
<td>124,558</td>
<td>119,959</td>
</tr>
<tr>
<td>33</td>
<td>0603604A</td>
<td>WASHU AND MUNITIONS ADVANCED TECHNOLOGY</td>
<td>102,886</td>
<td>122,086</td>
</tr>
<tr>
<td>34</td>
<td>0603604A</td>
<td>COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY</td>
<td>119,739</td>
<td>192,239</td>
</tr>
<tr>
<td>35</td>
<td>0603604A</td>
<td>SPACE APPLICATION ADVANCED TECHNOLOGY</td>
<td>13,000</td>
<td>13,000</td>
</tr>
<tr>
<td>36</td>
<td>0603604A</td>
<td>MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY</td>
<td>8,041</td>
<td>8,041</td>
</tr>
<tr>
<td>37</td>
<td>0603604A</td>
<td>TRACTOR Hike</td>
<td>22,631</td>
<td>22,614</td>
</tr>
<tr>
<td>38</td>
<td>0603604A</td>
<td>NEXT GENERATION TRAINING &amp; SIMULATION SYSTEMS</td>
<td>25,062</td>
<td>25,042</td>
</tr>
<tr>
<td>39</td>
<td>0603604A</td>
<td>COMING TECHNOLOGY—TECHNOLOGY DEVELOPMENT</td>
<td>3,762</td>
<td>3,762</td>
</tr>
<tr>
<td>40</td>
<td>0603604A</td>
<td>TRACTOR N/A</td>
<td>4,896</td>
<td>4,896</td>
</tr>
<tr>
<td>41</td>
<td>0603604A</td>
<td>TRACTOR EOG</td>
<td>6,041</td>
<td>6,041</td>
</tr>
<tr>
<td>42</td>
<td>0603604A</td>
<td>ELECTRONIC WARFARE TECHNOLOGY</td>
<td>31,491</td>
<td>31,491</td>
</tr>
<tr>
<td>43</td>
<td>0603604A</td>
<td>MISSILE AND RACKET ADVANCED TECHNOLOGY</td>
<td>61,132</td>
<td>61,132</td>
</tr>
<tr>
<td>44</td>
<td>0603604A</td>
<td>TRACTOR CARE</td>
<td>16,845</td>
<td>18,845</td>
</tr>
<tr>
<td>45</td>
<td>0603604A</td>
<td>HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM</td>
<td>183,322</td>
<td>188,322</td>
</tr>
<tr>
<td>46</td>
<td>0603604A</td>
<td>Program increase</td>
<td></td>
<td>[5,000]</td>
</tr>
<tr>
<td>47</td>
<td>0603604A</td>
<td>LANDMIND WARFARE AND BARRIER ADVANCED TECHNOLOGY</td>
<td>11,104</td>
<td>11,104</td>
</tr>
<tr>
<td>48</td>
<td>0603604A</td>
<td>JOINT SERVICE SKILL ARMS PROGRAM</td>
<td>5,885</td>
<td>5,885</td>
</tr>
<tr>
<td>49</td>
<td>0603604A</td>
<td>NIGHT VISION ADVANCED TECHNOLOGY</td>
<td>61,376</td>
<td>61,376</td>
</tr>
<tr>
<td>50</td>
<td>0603604A</td>
<td>ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS</td>
<td>9,136</td>
<td>9,136</td>
</tr>
<tr>
<td>51</td>
<td>0603604A</td>
<td>MILITARY ENGINEERING ADVANCED TECHNOLOGY</td>
<td>25,964</td>
<td>39,364</td>
</tr>
<tr>
<td>52</td>
<td>0603604A</td>
<td>Program increase</td>
<td></td>
<td>[5,000]</td>
</tr>
<tr>
<td>53</td>
<td>0603604A</td>
<td>ADVANCED TACTICAL COMPUTER SCIENCE AND SENSOR TECHNOLOGY</td>
<td>34,883</td>
<td>37,383</td>
</tr>
<tr>
<td>54</td>
<td>0603604A</td>
<td>FY research</td>
<td></td>
<td>[2,500]</td>
</tr>
<tr>
<td>55</td>
<td>0603604A</td>
<td>C3 ADVANCED TECHNOLOGY</td>
<td>52,297</td>
<td>47,287</td>
</tr>
<tr>
<td></td>
<td></td>
<td>General program decrease</td>
<td></td>
<td>[5,000]</td>
</tr>
</tbody>
</table>

**SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT** | 1,026,698 | 1,129,698 

**ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>56</td>
<td>0610105A</td>
<td>ARMY MISSILE DEBENSE SYSTEMS INTEGRATION</td>
<td>10,777</td>
<td>10,777</td>
</tr>
<tr>
<td>57</td>
<td>0610105A</td>
<td>AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING</td>
<td>42,902</td>
<td>42,902</td>
</tr>
<tr>
<td>58</td>
<td>0610105A</td>
<td>LANDMIND WARFARE AND BARRIER—ADV DEV</td>
<td>45,254</td>
<td>45,254</td>
</tr>
<tr>
<td>59</td>
<td>0610105A</td>
<td>SMOKE OBESRANT AND TARGET DEFEATING SYS—ADV DEV</td>
<td>22,700</td>
<td>22,700</td>
</tr>
<tr>
<td>60</td>
<td>0610105A</td>
<td>TANK AND MEDIUM CALIBER AMMUNITION</td>
<td>41,974</td>
<td>41,974</td>
</tr>
<tr>
<td>61</td>
<td>0610105A</td>
<td>Army UPL: Test and evaluation of M999 155mm</td>
<td></td>
<td>[14,000]</td>
</tr>
<tr>
<td>62</td>
<td>0610105A</td>
<td>ARMED SYSTEM MODERNIZATION—ADV DEV</td>
<td>119,295</td>
<td>119,395</td>
</tr>
<tr>
<td>63</td>
<td>0610105A</td>
<td>SOLDER SUPPORT AND SURVIVABILITY</td>
<td>8,746</td>
<td>8,746</td>
</tr>
<tr>
<td>64</td>
<td>0610105A</td>
<td>TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV</td>
<td>35,667</td>
<td>45,667</td>
</tr>
<tr>
<td>65</td>
<td>0610105A</td>
<td>CSS enable bility to support long range field artillery</td>
<td>5,000</td>
<td></td>
</tr>
<tr>
<td>66</td>
<td>0610105A</td>
<td>NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT</td>
<td>7,350</td>
<td>7,350</td>
</tr>
<tr>
<td>67</td>
<td>0610105A</td>
<td>ENVIRONMENTAL QUALITY TECHNOLOGY—DEUTAL</td>
<td>14,749</td>
<td>14,749</td>
</tr>
<tr>
<td>68</td>
<td>0610105A</td>
<td>NAVIGATION AND DEVELOPMENT</td>
<td>5,687</td>
<td>5,687</td>
</tr>
<tr>
<td>69</td>
<td>0610105A</td>
<td>ROBOTIC DEVELOPMENT</td>
<td>55,660</td>
<td>55,660</td>
</tr>
<tr>
<td>70</td>
<td>0610105A</td>
<td>C3 ADVANCED TECHNOLOGY</td>
<td>38,000</td>
<td>38,000</td>
</tr>
</tbody>
</table>

**SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT & PROTOTYPES** | 1,329,393 | 1,386,393 |

**SYSTEM DEVELOPMENT & DEMONSTRATION**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>72</td>
<td>0610105A</td>
<td>ANALYSIS OF ALTERNATIVES</td>
<td>9,765</td>
<td>9,765</td>
</tr>
<tr>
<td>73</td>
<td>0610105A</td>
<td>FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS)</td>
<td>12,093</td>
<td>12,093</td>
</tr>
<tr>
<td>74</td>
<td>0610105A</td>
<td>LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR</td>
<td>120,374</td>
<td>120,374</td>
</tr>
<tr>
<td>75</td>
<td>0610105A</td>
<td>TECHNOLOGY MATEGATION INITIATIVES</td>
<td>95,347</td>
<td>95,347</td>
</tr>
<tr>
<td>76</td>
<td>0610105A</td>
<td>MANUEVER—SHORT RANGE AIR DEFENSE (M-SHRAD)</td>
<td>95,065</td>
<td>95,065</td>
</tr>
<tr>
<td>77</td>
<td>0610105A</td>
<td>TRACTOR KEM</td>
<td>52,894</td>
<td>52,894</td>
</tr>
<tr>
<td>78</td>
<td>0610105A</td>
<td>SYNTHETIC TRAINING ENVIRONMENT REFINEMENT &amp; PROTOTYPING</td>
<td>77,939</td>
<td>77,939</td>
</tr>
<tr>
<td>79</td>
<td>0610105A</td>
<td>EXCEPT FIRE PROTECTION CAPABILITY INCREASE — INTEREST (IFPCE)</td>
<td>51,630</td>
<td>81,030</td>
</tr>
<tr>
<td>80</td>
<td>0610105A</td>
<td>CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT</td>
<td>65,417</td>
<td>70,417</td>
</tr>
<tr>
<td>81</td>
<td>0610105A</td>
<td>ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)</td>
<td>146,200</td>
<td>146,200</td>
</tr>
</tbody>
</table>

**SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT & PROTOTYPES** | 1,329,393 | 1,386,393 |
1079
SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)
Line

Program
Element

88
89
90
91
92
93
95
96

0604328A
0604601A
0604604A
0604611A
0604622A
0604633A
0604642A
0604645A

97
98
99
100

0604710A
0604713A
0604715A
0604741A

101
102
103
104
105
106
107
108
109
110

0604742A
0604746A
0604760A
0604768A
0604780A
0604798A
0604802A
0604804A
0604805A
0604807A

111
112

0604808A
0604818A

113
114
115
116
117

0604820A
0604822A
0604823A
0604827A
0604852A

118
119
120
121
122

0604854A
0605013A
0605018A
0605028A
0605029A

123
124
125
126

0605030A
0605031A
0605032A
0605033A

127
128
129
131

0605034A
0605035A
0605036A
0605038A

132
133
134

0605041A
0605042A
0605047A

135
136
137
138
139
140
141
142
143
144

0605049A
0605051A
0605052A
0605053A
0605054A
0605380A
0605450A
0605457A
0605766A
0605812A

145
147
150
151

0605830A
0303032A
0304270A
1205117A

152
153
154

0604256A
0604258A
0604759A

155

0605103A

Item
TRACTOR CAGE ...............................................................................................
INFANTRY SUPPORT WEAPONS ................................................................
MEDIUM TACTICAL VEHICLES ..................................................................
JAVELIN .............................................................................................................
FAMILY OF HEAVY TACTICAL VEHICLES ..............................................
AIR TRAFFIC CONTROL ................................................................................
LIGHT TACTICAL WHEELED VEHICLES ................................................
ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV ...............
Mobile Protected Firepower decrease .........................................................
NIGHT VISION SYSTEMS—ENG DEV ........................................................
COMBAT FEEDING, CLOTHING, AND EQUIPMENT ..............................
NON-SYSTEM TRAINING DEVICES—ENG DEV ......................................
AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG
DEV.
CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT .................
AUTOMATIC TEST EQUIPMENT DEVELOPMENT .................................
DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV .....
BRILLIANT ANTI-ARMOR SUBMUNITION (BAT) ...................................
COMBINED ARMS TACTICAL TRAINER (CATT) CORE ........................
BRIGADE ANALYSIS, INTEGRATION AND EVALUATION ...................
WEAPONS AND MUNITIONS—ENG DEV ..................................................
LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV ........................
COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV ...
MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV.
LANDMINE WARFARE/BARRIER—ENG DEV ..........................................
ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE.
RADAR DEVELOPMENT ................................................................................
GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS) ..........
FIREFINDER ....................................................................................................
SOLDIER SYSTEMS—WARRIOR DEM/VAL ..............................................
SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD .........
Suite of Vehicle Protection Systems ..........................................................
ARTILLERY SYSTEMS—EMD ......................................................................
INFORMATION TECHNOLOGY DEVELOPMENT .....................................
INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A) ........
ARMORED MULTI-PURPOSE VEHICLE (AMPV) ....................................
INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE
CAPABILITY (IGSSR-C).
JOINT TACTICAL NETWORK CENTER (JTNC) .......................................
JOINT TACTICAL NETWORK (JTN) ...........................................................
TRACTOR TIRE ................................................................................................
GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM—EXPEDITIONARY (GBOSS-E).
TACTICAL SECURITY SYSTEM (TSS) .......................................................
COMMON INFRARED COUNTERMEASURES (CIRCM) ..........................
COMBATING WEAPONS OF MASS DESTRUCTION (CWMD) ...............
NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE
(NBCRV) SENSOR SUITE.
DEFENSIVE CYBER TOOL DEVELOPMENT ............................................
TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER) ..........................
CONTRACT WRITING SYSTEM ....................................................................
Duplication concern in contract writing systems ....................................
MISSILE WARNING SYSTEM MODERNIZATION (MWSM) ...................
AIRCRAFT SURVIVABILITY DEVELOPMENT .........................................
INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1 .........
GROUND ROBOTICS .......................................................................................
EMERGING TECHNOLOGY INITIATIVES .................................................
AMF JOINT TACTICAL RADIO SYSTEM (JTRS) .....................................
JOINT AIR-TO-GROUND MISSILE (JAGM) ...............................................
ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD) ............
NATIONAL CAPABILITIES INTEGRATION (MIP) ...................................
JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND
MANUFACTURING DEVELOPMENT PH.
AVIATION GROUND SUPPORT EQUIPMENT ..........................................
TROJAN—RH12 ................................................................................................
ELECTRONIC WARFARE DEVELOPMENT ...............................................
TRACTOR BEARS ............................................................................................
SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.
RDT&E MANAGEMENT SUPPORT
THREAT SIMULATOR DEVELOPMENT ....................................................
TARGET SYSTEMS DEVELOPMENT ..........................................................
MAJOR T&E INVESTMENT ...........................................................................
Program increase ........................................................................................
RAND ARROYO CENTER ...............................................................................

† HR 5515 PAP

FY 2019
Request
17,050
83,155
3,704
10,623
11,950
12,347
8,212
393,613

Senate
Authorized

139,614
4,507
49,436
95,172

17,050
83,155
3,704
10,623
11,950
12,347
8,212
318,613
[–75,000]
139,614
4,507
49,436
95,172

22,628
13,297
9,145
9,894
21,964
49,288
183,100
79,706
15,970
44,542

22,628
13,297
9,145
9,894
21,964
49,288
183,100
79,706
15,970
44,542

50,817
178,693

50,817
178,693

39,338
37,851
45,473
10,395
69,204
1,781
113,758
166,603
118,239
3,211

39,338
37,851
45,473
10,395
78,204
[9,000]
1,781
113,758
166,603
118,239
3,211

15,889
41,972
41,166
5,175

15,889
41,972
41,166
5,175

4,496
51,178
11,311
17,154

4,496
51,178
11,311
17,154

36,626
3,829
41,928
28,276
21,965
157,710
86,167
42,866
15,984
11,773
277,607
12,340
2,686

36,626
3,829
0
[–41,928]
28,276
21,965
157,710
86,167
42,866
15,984
11,773
277,607
12,340
2,686

2,706
4,521
8,922
23,170
3,192,689

2,706
4,521
8,922
23,170
3,084,761

12,835
12,135
82,996

12,835
12,135
107,996
[25,000]
19,821

19,821


1080
SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)
Line

Program
Element

156
157
159

0605301A
0605326A
0605601A

160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177

0605602A
0605604A
0605606A
0605702A
0605706A
0605709A
0605712A
0605716A
0605718A
0605801A
0605803A
0605805A
0605857A
0605898A
0606001A
0606002A
0606003A
0606942A

9999999999
181
182
183
184

0603778A
0603813A
0605024A
0607131A

185
186
187
188
189
190
191
194

0607133A
0607134A
0607135A
0607136A
0607137A
0607138A
0607139A
0607142A

195
196
197
198
199

0607143A
0607665A
0607865A
0202429A
0203728A

200
202
203

0203735A
0203743A
0203744A

204
205
206
207
208
210
211

0203752A
0203758A
0203801A
0203802A
0203808A
0205410A
0205412A

212
213
216
217
218
220
223
224
225
226
227
229
230
231
233
234
235

0205456A
0205778A
0303028A
0303140A
0303141A
0303150A
0305172A
0305179A
0305204A
0305206A
0305208A
0305232A
0305233A
0307665A
0708045A
1203142A
1208053A

Item
ARMY KWAJALEIN ATOLL ...........................................................................
CONCEPTS EXPERIMENTATION PROGRAM ...........................................
ARMY TEST RANGES AND FACILITIES ...................................................
Increase to help manage directed energy workloads ................................
ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS ........
SURVIVABILITY/LETHALITY ANALYSIS ..................................................
AIRCRAFT CERTIFICATION .........................................................................
METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES ......................
MATERIEL SYSTEMS ANALYSIS ................................................................
EXPLOITATION OF FOREIGN ITEMS .......................................................
SUPPORT OF OPERATIONAL TESTING ...................................................
ARMY EVALUATION CENTER ......................................................................
ARMY MODELING & SIM X-CMD COLLABORATION & INTEG ...........
PROGRAMWIDE ACTIVITIES .......................................................................
TECHNICAL INFORMATION ACTIVITIES ................................................
MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY
ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT ..........
ARMY DIRECT REPORT HEADQUARTERS—R&D - MHA ...................
MILITARY GROUND-BASED CREW TECHNOLOGY ...............................
RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE .......
COUNTERINTEL AND HUMAN INTEL MODERNIZATION ...................
ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES ....
SUBTOTAL RDT&E MANAGEMENT SUPPORT ........................
CLASSIFIED PROGRAMS ..............................................................................
OPERATIONAL SYSTEMS DEVELOPMENT
MLRS PRODUCT IMPROVEMENT PROGRAM ..........................................
TRACTOR PULL ...............................................................................................
ANTI-TAMPER TECHNOLOGY SUPPORT .................................................
WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS.
TRACTOR SMOKE ...........................................................................................
LONG RANGE PRECISION FIRES (LRPF) ................................................
APACHE PRODUCT IMPROVEMENT PROGRAM ....................................
BLACKHAWK PRODUCT IMPROVEMENT PROGRAM ...........................
CHINOOK PRODUCT IMPROVEMENT PROGRAM ..................................
FIXED WING PRODUCT IMPROVEMENT PROGRAM ............................
IMPROVED TURBINE ENGINE PROGRAM ..............................................
AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT.
UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS ................
FAMILY OF BIOMETRICS .............................................................................
PATRIOT PRODUCT IMPROVEMENT ........................................................
AEROSTAT JOINT PROJECT—COCOM EXERCISE ...............................
JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM
(JADOCS).
COMBAT VEHICLE IMPROVEMENT PROGRAMS ...................................
155MM SELF-PROPELLED HOWITZER IMPROVEMENTS ..................
AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS.
AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM ..........
DIGITIZATION .................................................................................................
MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM .......
OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS ..................
TRACTOR CARD ...............................................................................................
MATERIALS HANDLING EQUIPMENT ......................................................
ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV.
LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM ............
GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS) ................
SECURITY AND INTELLIGENCE ACTIVITIES ........................................
INFORMATION SYSTEMS SECURITY PROGRAM ...................................
GLOBAL COMBAT SUPPORT SYSTEM ......................................................
WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM ......................
COMBINED ADVANCED APPLICATIONS ..................................................
INTEGRATED BROADCAST SERVICE (IBS) ............................................
TACTICAL UNMANNED AERIAL VEHICLES ...........................................
AIRBORNE RECONNAISSANCE SYSTEMS ...............................................
DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS ....................
RQ–11 UAV .........................................................................................................
RQ–7 UAV ...........................................................................................................
BIOMETRICS ENABLED INTELLIGENCE ................................................
END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES .....................
SATCOM GROUND ENVIRONMENT (SPACE) ...........................................
JOINT TACTICAL GROUND SYSTEM .........................................................
SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT ......
TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL,
ARMY.

† HR 5515 PAP

FY 2019
Request
246,574
30,430
305,759

Senate
Authorized

62,379
40,496
3,941
9,767
21,226
13,026
52,718
57,049
2,801
60,942
29,050
42,332
3,216
54,145
4,896
63,011
2,636
88,300
1,322,481

246,574
30,430
320,759
[15,000]
62,379
40,496
3,941
9,767
21,226
13,026
52,718
57,049
2,801
60,942
29,050
42,332
3,216
54,145
4,896
63,011
2,636
88,300
1,362,481

5,955

5,955

8,886
4,067
4,254
16,022

8,886
4,067
4,254
16,022

4,577
186,475
31,049
35,240
157,822
4,189
192,637
60,860

4,577
186,475
31,049
35,240
157,822
4,189
192,637
60,860

52,019
2,400
65,369
1
30,954

52,019
2,400
65,369
1
30,954

411,927
40,676
17,706

411,927
40,676
17,706

146
6,316
1,643
4,947
34,050
1,464
249

146
6,316
1,643
4,947
34,050
1,464
249

79,283
154,102
12,280
68,533
68,619
2,034
1,500
450
6,000
12,416
38,667
6,180
12,863
4,310
53,958
12,119
7,400
1,922,614

79,283
154,102
12,280
68,533
68,619
2,034
1,500
450
6,000
12,416
38,667
6,180
12,863
4,310
53,958
12,119
7,400
1,922,614

10,159,379

10,278,951


<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>060110N</td>
<td>UNIVERSITY RESEARCH INITIATIVES</td>
<td>119,433</td>
<td>124,633</td>
</tr>
<tr>
<td>2</td>
<td>060112N</td>
<td>DEFENSE RESEARCH SCIENCES</td>
<td>421,500</td>
<td>468,708</td>
</tr>
<tr>
<td>3</td>
<td>0601103N</td>
<td>UNIVERSITY RESEARCH INITIATIVES</td>
<td>119,433</td>
<td>124,633</td>
</tr>
<tr>
<td>4</td>
<td>0602114N</td>
<td>POWER PROJECTION APPLIED RESEARCH</td>
<td>13,441</td>
<td>17,141</td>
</tr>
<tr>
<td>5</td>
<td>0602131N</td>
<td>POWER PROTECTION APPLIED RESEARCH</td>
<td>124,849</td>
<td>124,849</td>
</tr>
<tr>
<td>6</td>
<td>0602135N</td>
<td>NAVSEA ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>42,998</td>
<td>42,998</td>
</tr>
<tr>
<td>7</td>
<td>0602130N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>8</td>
<td>0602138N</td>
<td>ADVANCED ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH</td>
<td>56,197</td>
<td>56,197</td>
</tr>
<tr>
<td>9</td>
<td>0602132N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>10</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>11</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>12</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>13</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>14</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>15</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>16</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>17</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>18</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>19</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>20</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>21</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>22</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>23</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>24</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>25</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>26</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>27</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>28</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>29</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>30</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>31</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>32</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>33</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>34</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>35</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>36</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>37</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>38</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>39</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>40</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>41</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>42</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>43</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>44</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>45</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>46</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>47</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>48</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
<tr>
<td>49</td>
<td>0602134N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>3,340</td>
<td>3,340</td>
</tr>
<tr>
<td>50</td>
<td>0602133N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>7,040</td>
<td>7,040</td>
</tr>
<tr>
<td>51</td>
<td>0602138N</td>
<td>ADVANCED NAVY SYSTEMS DEVELOPMENT</td>
<td>159,697</td>
<td>164,697</td>
</tr>
</tbody>
</table>

SEC. 4201. RESEARCH, DEVELOPMENT, TEST & EVALUATION

(RESEARCH, DEVELOPMENT, TEST & EVALUATION)

(In Thousands of Dollars)

| 1081 |

† HR 5515 PAP
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>060305N</td>
<td>AUTOMATED TEST AND ANALYSIS</td>
<td>7,801</td>
<td>7,941</td>
</tr>
<tr>
<td>37</td>
<td>060306N</td>
<td>FEMETAL DEVELOPMENT</td>
<td>134,772</td>
<td>134,772</td>
</tr>
<tr>
<td>38</td>
<td>060304N</td>
<td>CONVENTIONAL MUNITIONS</td>
<td>9,305</td>
<td>9,305</td>
</tr>
<tr>
<td>39</td>
<td>060304M</td>
<td>MARINE CORPS GROUND COMBAT SUPPORT SYSTEM</td>
<td>1,828</td>
<td>1,828</td>
</tr>
<tr>
<td>40</td>
<td>060301N</td>
<td>JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT</td>
<td>43,458</td>
<td>43,458</td>
</tr>
<tr>
<td>41</td>
<td>060315N</td>
<td>OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT</td>
<td>5,815</td>
<td>5,915</td>
</tr>
<tr>
<td>42</td>
<td>060321N</td>
<td>ENVIRONMENTAL PROTECTION</td>
<td>19,511</td>
<td>19,512</td>
</tr>
<tr>
<td>43</td>
<td>060321N</td>
<td>NAVY ENERGY PROGRAM</td>
<td>25,636</td>
<td>25,656</td>
</tr>
<tr>
<td>44</td>
<td>060321N</td>
<td>FACILITIES IMPROVEMENT</td>
<td>5,301</td>
<td>5,304</td>
</tr>
<tr>
<td>45</td>
<td>060321N</td>
<td>VEHICLE SILENCER</td>
<td>247,985</td>
<td>247,985</td>
</tr>
<tr>
<td>46</td>
<td>060321N</td>
<td>NAVY LOGISTIC PRODUCTIVITY</td>
<td>4,059</td>
<td>4,059</td>
</tr>
<tr>
<td>47</td>
<td>060315N</td>
<td>RETRACT MAPLE</td>
<td>377,678</td>
<td>377,678</td>
</tr>
<tr>
<td>48</td>
<td>060315N</td>
<td>LINK PLUMBERA</td>
<td>383,720</td>
<td>383,720</td>
</tr>
<tr>
<td>49</td>
<td>060315N</td>
<td>RETRACT ElM</td>
<td>60,335</td>
<td>60,515</td>
</tr>
<tr>
<td>50</td>
<td>060315N</td>
<td>NAVY RESEARCH AND DEVELOPMENT</td>
<td>9,622</td>
<td>9,622</td>
</tr>
<tr>
<td>51</td>
<td>060315N</td>
<td>LAND ATTACK TECHNOLOGY</td>
<td>15,529</td>
<td>15,529</td>
</tr>
<tr>
<td>52</td>
<td>060315N</td>
<td>Program delay and no GLGP EMD FYDP funding</td>
<td>–15,529</td>
<td>–15,529</td>
</tr>
<tr>
<td>53</td>
<td>060315N</td>
<td>JOINT NON-LETHAL WEAPONS TESTING</td>
<td>27,593</td>
<td>27,594</td>
</tr>
<tr>
<td>54</td>
<td>060315N</td>
<td>JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEM VAL</td>
<td>101,346</td>
<td>101,346</td>
</tr>
<tr>
<td>55</td>
<td>060305N</td>
<td>DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS</td>
<td>221,014</td>
<td>221,014</td>
</tr>
<tr>
<td>56</td>
<td>060304N</td>
<td>EA-18 INFRARED SEARCH AND TRACK (IRST)</td>
<td>108,790</td>
<td>108,790</td>
</tr>
<tr>
<td>57</td>
<td>060304N</td>
<td>BEST with I. R. signal</td>
<td>44,687</td>
<td>44,687</td>
</tr>
<tr>
<td>58</td>
<td>060304N</td>
<td>DIGITAL WARFARE OFFICE</td>
<td>26,393</td>
<td>26,394</td>
</tr>
<tr>
<td>59</td>
<td>060304N</td>
<td>SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES</td>
<td>16,717</td>
<td>16,717</td>
</tr>
<tr>
<td>60</td>
<td>060304N</td>
<td>TRANSFER TO PE 63526N</td>
<td>[-3,000]</td>
<td></td>
</tr>
<tr>
<td>61</td>
<td>060304N</td>
<td>UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES</td>
<td>30,185</td>
<td>30,185</td>
</tr>
<tr>
<td>62</td>
<td>060304N</td>
<td>RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION</td>
<td>48,796</td>
<td>48,796</td>
</tr>
<tr>
<td>63</td>
<td>060304N</td>
<td>LABOR UNMANNED UNDERSEA VEHICLES</td>
<td>92,613</td>
<td>92,613</td>
</tr>
<tr>
<td>64</td>
<td>060304N</td>
<td>LITFORD CONVAIR WC2</td>
<td>5,622</td>
<td>5,622</td>
</tr>
<tr>
<td>65</td>
<td>060304N</td>
<td>LITFORD ACQ RTW 306</td>
<td>17,622</td>
<td>17,622</td>
</tr>
<tr>
<td>66</td>
<td>060304N</td>
<td>SURFACE MINE COUNTERMEASURES</td>
<td>18,514</td>
<td>18,514</td>
</tr>
<tr>
<td>67</td>
<td>060304N</td>
<td>TRANSFER TO PE 6356N</td>
<td>[-2,000]</td>
<td></td>
</tr>
<tr>
<td>68</td>
<td>060304N</td>
<td>TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM)</td>
<td>47,279</td>
<td>47,279</td>
</tr>
<tr>
<td>69</td>
<td>060304N</td>
<td>NEXT GENERATION LOGISTICS</td>
<td>11,082</td>
<td>11,084</td>
</tr>
<tr>
<td>70</td>
<td>060304N</td>
<td>RAPID TECHNOLOGY CAPABILITY PROTOTYPE</td>
<td>7,107</td>
<td>7,107</td>
</tr>
<tr>
<td>71</td>
<td>060304N</td>
<td>LX (LR)</td>
<td>5,349</td>
<td>5,349</td>
</tr>
<tr>
<td>72</td>
<td>060304N</td>
<td>ADVANCED UNDERSEA PROTOTYPING</td>
<td>82,669</td>
<td>82,669</td>
</tr>
<tr>
<td>73</td>
<td>060304N</td>
<td>PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM</td>
<td>132,818</td>
<td>132,818</td>
</tr>
<tr>
<td>74</td>
<td>060304N</td>
<td>SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT</td>
<td>2,103</td>
<td>2,103</td>
</tr>
<tr>
<td>75</td>
<td>060304N</td>
<td>OFFENSIVE ANTI-SURFACE WARFARE DEVELOPMENT</td>
<td>114,092</td>
<td>114,092</td>
</tr>
<tr>
<td>76</td>
<td>060304N</td>
<td>ASW SYSTEMS DEVELOPMENT—MIP</td>
<td>8,889</td>
<td>8,889</td>
</tr>
<tr>
<td>77</td>
<td>060304N</td>
<td>ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM</td>
<td>25,291</td>
<td>25,291</td>
</tr>
<tr>
<td>78</td>
<td>060304N</td>
<td>ELECTRONIC WARFARE DEVELOPMENT</td>
<td>46,666</td>
<td>46,466</td>
</tr>
<tr>
<td>79</td>
<td>060304N</td>
<td>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td>4,283,713</td>
<td>4,273,967</td>
</tr>
</tbody>
</table>

#### SYSTEM DEVELOPMENT & DEMONSTRATION

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
<td>060304N</td>
<td>TRAINING SYSTEM AIRCRAFT</td>
<td>12,799</td>
<td>12,799</td>
</tr>
<tr>
<td>81</td>
<td>060304N</td>
<td>OTHER HELICOPTER DEVELOPMENT</td>
<td>32,128</td>
<td>32,128</td>
</tr>
<tr>
<td>82</td>
<td>060304N</td>
<td>AV-8 AIRCRAFT—ENG DAY</td>
<td>46,831</td>
<td>46,831</td>
</tr>
<tr>
<td>83</td>
<td>060304N</td>
<td>STANDARDS DEVELOPMENT</td>
<td>3,773</td>
<td>3,773</td>
</tr>
<tr>
<td>84</td>
<td>060304N</td>
<td>MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT</td>
<td>16,611</td>
<td>16,611</td>
</tr>
<tr>
<td>85</td>
<td>060304N</td>
<td>AIRCRAFT EQUIPMENT ENGINEERING</td>
<td>17,888</td>
<td>17,888</td>
</tr>
<tr>
<td>86</td>
<td>060304N</td>
<td>P-3 MODERNIZATION PROGRAM</td>
<td>2,134</td>
<td>2,134</td>
</tr>
<tr>
<td>87</td>
<td>060304N</td>
<td>WEAPONS SUPPORT SYSTEM</td>
<td>9,729</td>
<td>9,729</td>
</tr>
<tr>
<td>88</td>
<td>060304N</td>
<td>TACTICAL COMMAND SYSTEM</td>
<td>57,688</td>
<td>57,688</td>
</tr>
<tr>
<td>89</td>
<td>060304N</td>
<td>ADVANCED HAWKEY</td>
<td>222,565</td>
<td>222,565</td>
</tr>
<tr>
<td>90</td>
<td>060304N</td>
<td>H-UPGRADE</td>
<td>58,697</td>
<td>58,697</td>
</tr>
<tr>
<td>91</td>
<td>060304N</td>
<td>ACOUSTIC SEARCH SENSORS</td>
<td>43,485</td>
<td>43,485</td>
</tr>
<tr>
<td>92</td>
<td>060304N</td>
<td>T-52A</td>
<td>143,079</td>
<td>143,079</td>
</tr>
<tr>
<td>93</td>
<td>060304N</td>
<td>AH-1C CREW SYSTEM DEVELOPMENT</td>
<td>20,900</td>
<td>20,900</td>
</tr>
<tr>
<td>94</td>
<td>060304N</td>
<td>EA-18</td>
<td>147,419</td>
<td>147,419</td>
</tr>
<tr>
<td>95</td>
<td>060304N</td>
<td>F/A-18 / T-406 Advanced Modes / Cognitive EW</td>
<td>59,599</td>
<td>59,599</td>
</tr>
<tr>
<td>96</td>
<td>060304N</td>
<td>ELECTRONIC WARFARE DEVELOPMENT</td>
<td>89,824</td>
<td>121,424</td>
</tr>
</tbody>
</table>

*† HR 5515 PAP*
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>121</td>
<td>0604172M</td>
<td>EXECUTIVE HELO DEVELOPMENT</td>
<td>245,064</td>
<td>245,064</td>
</tr>
<tr>
<td>122</td>
<td>0604171N</td>
<td>NEXT GENERATION JAMMER (NGJ)</td>
<td>459,299</td>
<td>459,299</td>
</tr>
<tr>
<td>123</td>
<td>0604120N</td>
<td>JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-Navy)</td>
<td>3,272</td>
<td>3,272</td>
</tr>
<tr>
<td>124</td>
<td>0604122N</td>
<td>NEXT GENERATION JAMMER (NGJ) INCREMENT II</td>
<td>115,251</td>
<td>115,251</td>
</tr>
<tr>
<td>125</td>
<td>0604120N</td>
<td>SURFACE COMBATANT COMBAT SYSTEM ENGINEERING</td>
<td>397,801</td>
<td>397,401</td>
</tr>
<tr>
<td>126</td>
<td>0604111N</td>
<td>LPI-17 CLASS SYSTEMS INTEGRATION</td>
<td>5,093</td>
<td>5,093</td>
</tr>
<tr>
<td>127</td>
<td>0604120N</td>
<td>MIDS VLS Integration</td>
<td>[value]</td>
<td>[value]</td>
</tr>
<tr>
<td>128</td>
<td>0604105N</td>
<td>SMALL DIAMETER BOMB (SDB)</td>
<td>104,449</td>
<td>104,449</td>
</tr>
<tr>
<td>129</td>
<td>0604104N</td>
<td>STANDARD MISSILE IMPROVEMENTS</td>
<td>165,983</td>
<td>165,983</td>
</tr>
<tr>
<td>130</td>
<td>0604103N</td>
<td>AERODONE 3CM</td>
<td>10,831</td>
<td>10,831</td>
</tr>
<tr>
<td>131</td>
<td>0604102N</td>
<td>NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYSTEMS ENGINEERING</td>
<td>33,429</td>
<td>33,429</td>
</tr>
<tr>
<td>132</td>
<td>0604101N</td>
<td>ADVANCED ABOVE WATER SENSORS</td>
<td>35,365</td>
<td>35,365</td>
</tr>
<tr>
<td>133</td>
<td>0604100N</td>
<td>SSN-688 AND TRIDENT MODERNIZATION</td>
<td>126,932</td>
<td>126,932</td>
</tr>
<tr>
<td>134</td>
<td>0604099N</td>
<td>AIR CONTROL</td>
<td>62,449</td>
<td>62,449</td>
</tr>
<tr>
<td>135</td>
<td>0604120N</td>
<td>SHIPBOARD AVIATION SYSTEMS</td>
<td>9,710</td>
<td>9,710</td>
</tr>
<tr>
<td>136</td>
<td>0604110N</td>
<td>COMBAT INFORMATION CENTER CONVERSION</td>
<td>19,301</td>
<td>19,301</td>
</tr>
<tr>
<td>137</td>
<td>0604109N</td>
<td>AIR AND MISSILE DEFENSE Radar (AMDR) System</td>
<td>27,059</td>
<td>27,059</td>
</tr>
<tr>
<td>138</td>
<td>0604108N</td>
<td>ADVANCED ARRESTING GEAR (AAG)</td>
<td>184,106</td>
<td>184,106</td>
</tr>
<tr>
<td>139</td>
<td>0604107N</td>
<td>NEW DESIGN 38X</td>
<td>114,232</td>
<td>114,232</td>
</tr>
<tr>
<td>140</td>
<td>0604106N</td>
<td>SUBMARINE TACTICAL WARFARE SYSTEM</td>
<td>60,824</td>
<td>60,824</td>
</tr>
<tr>
<td>141</td>
<td>0604105N</td>
<td>SHIP CONTRACT DESIGN/LIVE FIRE T&amp;E</td>
<td>60,062</td>
<td>60,062</td>
</tr>
<tr>
<td>142</td>
<td>0604104N</td>
<td>NAVY TACTICAL COMPUTER RESOURCES</td>
<td>4,042</td>
<td>4,042</td>
</tr>
<tr>
<td>143</td>
<td>0604103N</td>
<td>MINE DEVELOPMENT</td>
<td>25,756</td>
<td>25,756</td>
</tr>
<tr>
<td>144</td>
<td>0604102N</td>
<td>LIGHTWEIGHT TORPEDO DEVELOPMENT</td>
<td>95,147</td>
<td>95,147</td>
</tr>
<tr>
<td>145</td>
<td>0604101N</td>
<td>JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT</td>
<td>7,101</td>
<td>7,101</td>
</tr>
<tr>
<td>146</td>
<td>0604100N</td>
<td>PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS</td>
<td>3,399</td>
<td>3,399</td>
</tr>
<tr>
<td>147</td>
<td>0604099N</td>
<td>JOINT STANDOFF WEAPON SYSTEMS</td>
<td>44</td>
<td>44</td>
</tr>
<tr>
<td>148</td>
<td>0604098N</td>
<td>SHIP SELF DEFENSE (DETECT &amp; CONTROL)</td>
<td>190,391</td>
<td>190,391</td>
</tr>
<tr>
<td>149</td>
<td>0604097N</td>
<td>SHIP SELF DEFENSE (ENGAGE HARD KILL)</td>
<td>178,518</td>
<td>178,518</td>
</tr>
<tr>
<td>150</td>
<td>0604096N</td>
<td>SHIP SELF DEFENSE (ENGAGE SOFT KILL/RW)</td>
<td>120,507</td>
<td>120,507</td>
</tr>
<tr>
<td>151</td>
<td>0604095N</td>
<td>INTELLIGENCE ENGINEERING</td>
<td>5,042</td>
<td>5,042</td>
</tr>
<tr>
<td>152</td>
<td>0604094N</td>
<td>MEDICAL DEVELOPMENT</td>
<td>8,095</td>
<td>8,095</td>
</tr>
<tr>
<td>153</td>
<td>0604093N</td>
<td>NAVIGATION/ID SYSTEM</td>
<td>121,306</td>
<td>121,306</td>
</tr>
<tr>
<td>154</td>
<td>0604092N</td>
<td>SHIPBOARD COMBAT SYSTEM</td>
<td>121,306</td>
<td>121,306</td>
</tr>
<tr>
<td>155</td>
<td>0604091N</td>
<td>JOINT STRIKE FIGHTER (JSF)—EMD</td>
<td>65,494</td>
<td>65,494</td>
</tr>
<tr>
<td>156</td>
<td>0604090N</td>
<td>JOINT STRIKE FIGHTER (JSF)—EMD</td>
<td>65,494</td>
<td>65,494</td>
</tr>
<tr>
<td>157</td>
<td>0604089N</td>
<td>INFORMATION TECHNOLOGY DEVELOPMENT</td>
<td>14,005</td>
<td>14,005</td>
</tr>
<tr>
<td>158</td>
<td>0604088N</td>
<td>INFORMATION TECHNOLOGY DEVELOPMENT</td>
<td>265,367</td>
<td>265,367</td>
</tr>
<tr>
<td>159</td>
<td>0604087N</td>
<td>EMPLOYMENT, PERSONNEL, AND PAY SYSTEM</td>
<td>70,364</td>
<td>70,364</td>
</tr>
<tr>
<td>160</td>
<td>0604086N</td>
<td>ADVANCED DELIVERY SYSTEM</td>
<td>24,900</td>
<td>24,900</td>
</tr>
<tr>
<td>161</td>
<td>0604085N</td>
<td>NAVY TACTICAL COMPUTER RESOURCES</td>
<td>5,618</td>
<td>5,618</td>
</tr>
<tr>
<td>162</td>
<td>0604084N</td>
<td>C-160 4TH GEN</td>
<td>328,945</td>
<td>328,945</td>
</tr>
<tr>
<td>163</td>
<td>0604083N</td>
<td>MISSION PLANNING</td>
<td>31,741</td>
<td>31,741</td>
</tr>
<tr>
<td>164</td>
<td>0604082N</td>
<td>COMMON ADVANCED TACTICAL DATA LINKS</td>
<td>51,486</td>
<td>51,486</td>
</tr>
<tr>
<td>165</td>
<td>0604081N</td>
<td>SHIP TO SHORE CONNECTOR (SSC)</td>
<td>6,040</td>
<td>6,040</td>
</tr>
<tr>
<td>166</td>
<td>0604080N</td>
<td>T-45A/J TRAINER SIMULATION</td>
<td>3,110</td>
<td>3,110</td>
</tr>
<tr>
<td>167</td>
<td>0604079N</td>
<td>UNCLASSIFIED CARRIER AVATION (UCA)</td>
<td>718,942</td>
<td>718,942</td>
</tr>
<tr>
<td>168</td>
<td>0604078N</td>
<td>JOINT AIR-TO-GROUND MISSILE (JAGM)</td>
<td>6,759</td>
<td>6,759</td>
</tr>
<tr>
<td>169</td>
<td>0604077N</td>
<td>MULTI-MISSION MARITIME (MMA)</td>
<td>37,296</td>
<td>37,296</td>
</tr>
<tr>
<td>170</td>
<td>0604076N</td>
<td>AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM</td>
<td>48,103</td>
<td>48,103</td>
</tr>
<tr>
<td>171</td>
<td>0604075N</td>
<td>MINOR T&amp;E INVESTMENT</td>
<td>2,260</td>
<td>2,260</td>
</tr>
<tr>
<td>172</td>
<td>0604074N</td>
<td>TACTICAL COMPUTER RESOURCES</td>
<td>162,264</td>
<td>162,264</td>
</tr>
<tr>
<td>173</td>
<td>0604073N</td>
<td>CYBER OPERATIONS TECHNOLOGY DEVELOPMENT</td>
<td>6,908</td>
<td>6,908</td>
</tr>
<tr>
<td>174</td>
<td>0604072N</td>
<td>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION</td>
<td>6,042,480</td>
<td>6,148,080</td>
</tr>
<tr>
<td>175</td>
<td>0604071N</td>
<td>MANAGEMENT SUPPORT</td>
<td>10,984</td>
<td>10,984</td>
</tr>
<tr>
<td>176</td>
<td>0604070N</td>
<td>ADVANCED TECHNOLOGY &amp; INTERNATIONAL SUPPORT</td>
<td>77,014</td>
<td>77,014</td>
</tr>
<tr>
<td>177</td>
<td>0604069N</td>
<td>STRATEGIC TECHNICAL SUPPORT</td>
<td>4,042</td>
<td>4,042</td>
</tr>
<tr>
<td>178</td>
<td>0604068N</td>
<td>SCIENCE AND TECHNOLOGY MANAGEMENT</td>
<td>5,042</td>
<td>5,042</td>
</tr>
<tr>
<td>179</td>
<td>0604067N</td>
<td>R&amp;D AND AIRCRAFT SUPPORT</td>
<td>9,171</td>
<td>9,171</td>
</tr>
</tbody>
</table>

† HR 5515 PAP

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

(In Thousands of Dollars)
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>196</td>
<td>006564N</td>
<td>TEST AND EVALUATION SUPPORT</td>
<td>373,834</td>
<td>379,834</td>
</tr>
<tr>
<td>197</td>
<td>006565N</td>
<td>OPERATIONAL TEST AND EVALUATION CAPABILITY</td>
<td>21,554</td>
<td>21,554</td>
</tr>
<tr>
<td>198</td>
<td>006566N</td>
<td>NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT</td>
<td>16,252</td>
<td>16,252</td>
</tr>
<tr>
<td>199</td>
<td>005582M</td>
<td>MARINE CORPS PROGRAM WIDE SUPPORT</td>
<td>24,303</td>
<td>24,303</td>
</tr>
<tr>
<td>200</td>
<td>006580N</td>
<td>MANAGEMENT HQ—R&amp;D</td>
<td>43,262</td>
<td>43,262</td>
</tr>
<tr>
<td>201</td>
<td>006632N</td>
<td>WARFARE INNOVATION MANAGEMENT</td>
<td>41,918</td>
<td>41,918</td>
</tr>
<tr>
<td>202</td>
<td>006661N</td>
<td>ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES</td>
<td>7,889</td>
<td>7,889</td>
</tr>
<tr>
<td>203</td>
<td>006662N</td>
<td>ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES</td>
<td>48,800</td>
<td>48,800</td>
</tr>
<tr>
<td>204</td>
<td>030535N</td>
<td>INSIDER THREAT</td>
<td>1,682</td>
<td>1,682</td>
</tr>
<tr>
<td>205</td>
<td>030536N</td>
<td>MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES)</td>
<td>1,579</td>
<td>1,579</td>
</tr>
<tr>
<td>206</td>
<td>120667N</td>
<td>SEW SURVEILLANCE/RECONNAISSANCE SUPPORT</td>
<td>8,684</td>
<td>8,684</td>
</tr>
<tr>
<td>207</td>
<td>120640N</td>
<td>SUBTOTAL MANAGEMENT SUPPORT</td>
<td>1,020,569</td>
<td>1,011,569</td>
</tr>
</tbody>
</table>

#### OPERATIONAL SYSTEMS DEVELOPMENT

- 210 004123N - HARRISON MODIFICATIONS
- 211 004140M - F-22 CDG
- 212 006560N - F-35 CDG
- 213 007668N - DEPLOYABLE JOINT COMMAND AND CONTROL
- 214 010121N - STRATEGIC SUR & WEAPONS SYSTEM SUPPORT
- 215 010122N - SSBN SECURITY TECHNOLOGY PROGRAM
- 216 010123N - UNDERWATER ACOUSTIC WARFARE DEVELOPMENT
- 217 010124N - NAVAL STRATEGIC COMMUNICATIONS
- 218 020415N - FA-18 SQUADRONS
- 219 021625N - ELECTRONIC WARFARE (EW) READINESS SUPPORT
- 220 020610N - HARM IMPROVEMENT
- 221 020611N - TACTICAL DATA LINKS
- 222 020612N - SURFACE ASW COMBAT SYSTEM INTEGRATION
- 223 020613N - MK-45 ADCAP
- 224 020614N - AVIATION IMPROVEMENTS
- 225 020615N - UPL—Tactical Targeting Network Technology acceleration
- 226 020616N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 227 020617N - MARINE CORPS COMMUNICATIONS SYSTEMS
- 228 020618N - COMMON AVIATION COMMAND AND CONTROL SYSTEM (CACC)
- 229 020619N - MARINE CORPS GROUND COMBAT/TEST SUPPORT SYSTEMS
- 230 020610N - MAMPHIOUS ASV ALCOHOL VEHICLE
- 231 020611N - TACTICAL AIR MISSILES
- 232 020612N - ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)
- 233 020613N - CONSOLIDATED ADAO AIR NETWORK ENTERPRISE SERVICES (CAINES)
- 234 030120N - INFORMATION SYSTEMS SECURITY PROGRAM
- 235 030121N - MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES
- 236 030122N - TACTICAL UNMANNED AERIAL VEHICLES
- 237 030123N - UAV INTEGRATION AND INTEROPERABILITY
- 238 030124N - DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS
- 239 030125N - DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS
- 240 030126N - AMPHIOUS ASV ALCOHOL VEHICLE
- 241 030127N - TACTICAL AIR SUPPORT
- 242 030128N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 243 030129N - AMPHIOUS ASV ALCOHOL VEHICLE
- 244 030130N - CONSOLIDATED ADAO NETWORK ENTERPRISE SERVICES (CAINES)
- 245 030131N - INFORMATION SYSTEMS SECURITY PROGRAM
- 246 030132N - MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES
- 247 030133N - TACTICAL UNMANNED AERIAL VEHICLES
- 248 030134N - UAV INTEGRATION AND INTEROPERABILITY
- 249 030135N - DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS
- 250 030136N - DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS
- 251 030137N - AMPHIOUS ASV ALCOHOL VEHICLE
- 252 030138N - TACTICAL AIR SUPPORT
- 253 030139N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 254 030140N - AMPHIOUS ASV ALCOHOL VEHICLE
- 255 030141N - TACTICAL AIR SUPPORT
- 256 030142N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 257 030143N - AMPHIOUS ASV ALCOHOL VEHICLE
- 258 030144N - TACTICAL AIR SUPPORT
- 259 030145N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 260 030146N - AMPHIOUS ASV ALCOHOL VEHICLE
- 261 030147N - TACTICAL AIR SUPPORT
- 262 030148N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 263 030149N - AMPHIOUS ASV ALCOHOL VEHICLE
- 264 030150N - TACTICAL AIR SUPPORT
- 265 030151N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 266 030152N - AMPHIOUS ASV ALCOHOL VEHICLE
- 267 030153N - TACTICAL AIR SUPPORT
- 268 030154N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 269 030155N - AMPHIOUS ASV ALCOHOL VEHICLE
- 270 030156N - TACTICAL AIR SUPPORT
- 271 030157N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 272 030158N - AMPHIOUS ASV ALCOHOL VEHICLE
- 273 030159N - TACTICAL AIR SUPPORT
- 274 030160N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 275 030161N - AMPHIOUS ASV ALCOHOL VEHICLE
- 276 030162N - TACTICAL AIR SUPPORT
- 277 030163N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 278 030164N - AMPHIOUS ASV ALCOHOL VEHICLE
- 279 030165N - TACTICAL AIR SUPPORT
- 280 030166N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 281 030167N - AMPHIOUS ASV ALCOHOL VEHICLE
- 282 030168N - TACTICAL AIR SUPPORT
- 283 030169N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 284 030170N - AMPHIOUS ASV ALCOHOL VEHICLE
- 285 030171N - TACTICAL AIR SUPPORT
- 286 030172N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 287 030173N - AMPHIOUS ASV ALCOHOL VEHICLE
- 288 030174N - TACTICAL AIR SUPPORT
- 289 030175N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 290 030176N - AMPHIOUS ASV ALCOHOL VEHICLE
- 291 030177N - TACTICAL AIR SUPPORT
- 292 030178N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 293 030179N - AMPHIOUS ASV ALCOHOL VEHICLE
- 294 030180N - TACTICAL AIR SUPPORT
- 295 030181N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 296 030182N - AMPHIOUS ASV ALCOHOL VEHICLE
- 297 030183N - TACTICAL AIR SUPPORT
- 298 030184N - NAVY SPACE AND ELECTRONIC WARFARE (NEW) SUPPORT
- 299 030185N - AMPHIOUS ASV ALCOHOL VEHICLE
- 300 030186N - TACTICAL AIR SUPPORT

9999999999 CLASSIFIED PROGRAMS

1,549,500
1,549,500

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DEFENSE RESEARCH SCIENCES</td>
<td>548,322</td>
<td>558,322</td>
</tr>
<tr>
<td>2</td>
<td>UNIVERSITY RESEARCH INITIATIVES</td>
<td>154,992</td>
<td>154,992</td>
</tr>
<tr>
<td>3</td>
<td>HIGH ENERGY LASER RESEARCH INITIATIVES</td>
<td>14,506</td>
<td>12,906</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL BASIC RESEARCH</td>
<td>517,819</td>
<td>530,219</td>
</tr>
<tr>
<td>4</td>
<td>MATERIALS</td>
<td>125,373</td>
<td>129,373</td>
</tr>
<tr>
<td>5</td>
<td>AEROSPACE VEHICLE TECHNOLOGIES</td>
<td>130,341</td>
<td>135,541</td>
</tr>
<tr>
<td>6</td>
<td>HUMAN EFFECTIVENESS APPLIED RESEARCH</td>
<td>112,518</td>
<td>112,518</td>
</tr>
<tr>
<td>7</td>
<td>AEIROSPACE PROPULSION</td>
<td>199,159</td>
<td>231,419</td>
</tr>
<tr>
<td>8</td>
<td>AEIROSPACE SENSORS</td>
<td>165,331</td>
<td>159,013</td>
</tr>
<tr>
<td>9</td>
<td>SCIENCE AND TECHNOLOGY MANAGEMENT—MAJOR HEADQUARTERS ACTIVITIES</td>
<td>8,288</td>
<td>8,288</td>
</tr>
<tr>
<td>10</td>
<td>CONVENTIONAL MUNITIONS</td>
<td>112,841</td>
<td>112,841</td>
</tr>
<tr>
<td>11</td>
<td>DIRECTED ENERGY TECHNOLOGY</td>
<td>141,898</td>
<td>145,898</td>
</tr>
<tr>
<td>12</td>
<td>SKYwave technologies laboratory</td>
<td>4,000</td>
<td>4,000</td>
</tr>
<tr>
<td>13</td>
<td>DOMINANT INFORMATION SCIENCES AND METHODS</td>
<td>162,420</td>
<td>183,420</td>
</tr>
<tr>
<td>14</td>
<td>HIGH ENERGY LASER RESEARCH</td>
<td>42,959</td>
<td>55,859</td>
</tr>
<tr>
<td>15</td>
<td>SPACE TECHNOLOGY</td>
<td>117,445</td>
<td>123,645</td>
</tr>
<tr>
<td>16</td>
<td>ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>34,426</td>
<td>32,926</td>
</tr>
<tr>
<td>17</td>
<td>SUSTAINABLE SCIENCE AND TECHNOLOGY (S&amp;T)</td>
<td>15,250</td>
<td>16,150</td>
</tr>
<tr>
<td>18</td>
<td>ADVANCED AEROSPACE SENSORS</td>
<td>39,968</td>
<td>39,968</td>
</tr>
<tr>
<td>19</td>
<td>AEIROSPACE TECHNOLOGY DEVELOPMENT</td>
<td>121,902</td>
<td>121,902</td>
</tr>
<tr>
<td>20</td>
<td>AEROSPACE PROPULSION AND POWER TECHNOLOGY</td>
<td>115,462</td>
<td>120,462</td>
</tr>
<tr>
<td>21</td>
<td>ELECTRONIC COMBAT TECHNOLOGY</td>
<td>66,619</td>
<td>66,619</td>
</tr>
<tr>
<td>22</td>
<td>ADVANCED SPACECRAFT TECHNOLOGY</td>
<td>54,895</td>
<td>54,895</td>
</tr>
<tr>
<td>23</td>
<td>AEIROSPACE SCIENCE AND TECHNOLOGY (AEIST)</td>
<td>10,674</td>
<td>10,674</td>
</tr>
<tr>
<td>24</td>
<td>AEIROSPACE PROPULSION</td>
<td>194,992</td>
<td>194,992</td>
</tr>
<tr>
<td>25</td>
<td>AEIROSPACE TECHNOLOGY DEVELOPMENT</td>
<td>41,366</td>
<td>41,366</td>
</tr>
<tr>
<td>26</td>
<td>MANUFACTURING TECHNOLOGY PROGRAM</td>
<td>42,925</td>
<td>42,925</td>
</tr>
<tr>
<td>27</td>
<td>RCKET TECHNOLOGY</td>
<td>51,064</td>
<td>51,064</td>
</tr>
<tr>
<td>28</td>
<td>AEIROSPACE TECHNOLOGY DEVELOPMENT</td>
<td>814,797</td>
<td>862,297</td>
</tr>
</tbody>
</table>

**TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY**

18,461,666 18,536,843

**APPLIED RESEARCH**

517,819 530,219

**ADVANCED TECHNOLOGY DEVELOPMENT**

1,312,342 1,358,842

**SUBTOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY**

4,885,060 4,833,883

---

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>TECHNOLOGY TRANSFER</td>
<td>12,960</td>
<td>12,960</td>
</tr>
<tr>
<td>42</td>
<td>HARD AND DEEPLY BURIED TARGET DEFECT SYSTEM</td>
<td>71,301</td>
<td>71,504</td>
</tr>
<tr>
<td>43</td>
<td>CYBER RESILIENCY OF WEAPON SYSTEMS-INV</td>
<td>62,618</td>
<td>62,618</td>
</tr>
<tr>
<td>46</td>
<td>DEPLOYMENT &amp; DISTRIBUTION ENTERPRISE R&amp;D</td>
<td>39,530</td>
<td>39,530</td>
</tr>
<tr>
<td>48</td>
<td>TECH TRANSITION PROGRAM</td>
<td>1,806,025</td>
<td>1,499,837</td>
</tr>
<tr>
<td></td>
<td>Acceleration of Hypersonic Conventional Strike Weapon</td>
<td></td>
<td>[100,000]</td>
</tr>
<tr>
<td>49</td>
<td>GROUND BASED STRATEGIC DETERRENT</td>
<td>345,041</td>
<td>344,414</td>
</tr>
<tr>
<td></td>
<td>UPL program acceleration</td>
<td></td>
<td>[69,104]</td>
</tr>
<tr>
<td>50</td>
<td>NEXT GENERATION AIR DOMINANCE</td>
<td>560,997</td>
<td>562,997</td>
</tr>
<tr>
<td>51</td>
<td>THREE DIMENSIONAL LONG-RANGE RADAR (SIDEKICK)</td>
<td>46,926</td>
<td>46,926</td>
</tr>
<tr>
<td>52</td>
<td>UNITED PLATFORM (UP)</td>
<td>29,980</td>
<td>29,980</td>
</tr>
<tr>
<td>54</td>
<td>COMMON DATA LINK EXECUTIVE AGENT (CDL EA)</td>
<td>41,989</td>
<td>41,989</td>
</tr>
<tr>
<td>55</td>
<td>MISSION PARTNER ENVIRONMENTS</td>
<td>110,174</td>
<td>110,174</td>
</tr>
<tr>
<td>56</td>
<td>SPACE SECURITY AND DEFENSE PROGRAM</td>
<td>34,752</td>
<td>35,752</td>
</tr>
<tr>
<td>57</td>
<td>PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)</td>
<td>51,319</td>
<td>51,319</td>
</tr>
<tr>
<td>60</td>
<td>NAVSTARS GLOBAL POSITIONING SYSTEM (USER EQUIPMENT)</td>
<td>286,629</td>
<td>286,629</td>
</tr>
<tr>
<td>62</td>
<td>WEATHER SYSTEM FOLLOW-ON</td>
<td>9,729</td>
<td>9,729</td>
</tr>
<tr>
<td>63</td>
<td>SPACE SITUATION AWARENESS SYSTEMS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>SPACE CONTROL TECHNOLOGY</td>
<td>91,018</td>
<td>91,018</td>
</tr>
<tr>
<td>67</td>
<td>SPACE SECURITY AND DEFENSE PROGRAM</td>
<td>45,312</td>
<td>45,312</td>
</tr>
<tr>
<td>68</td>
<td>PROTECTED TACTICAL SERVICE (PTS)</td>
<td>39,797</td>
<td>39,797</td>
</tr>
<tr>
<td>69</td>
<td>PROTECTED SATCOM SERVICES (FCS)</td>
<td>9,531</td>
<td>9,531</td>
</tr>
<tr>
<td>70</td>
<td>OPERATIONALLY RESPONSIVE SPACE</td>
<td>356,050</td>
<td>356,050</td>
</tr>
<tr>
<td></td>
<td>Space ISN Solar Power Project--Ready to used</td>
<td></td>
<td>[50,000]</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td>6,529,943</td>
<td>6,764,566</td>
</tr>
</tbody>
</table>

**System Development & Demonstration**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>71</td>
<td>FUTURE ADVANCED WEAPON ANALYSIS &amp; PROGRAMS</td>
<td>39,602</td>
<td>39,602</td>
</tr>
<tr>
<td>72</td>
<td>INTEGRATED ADVANCED PLANNING AND DEVELOPMENT</td>
<td>46,926</td>
<td>46,926</td>
</tr>
<tr>
<td>73</td>
<td>NUCLEAR WEAPONS SUPPORT</td>
<td>4,466</td>
<td>4,466</td>
</tr>
<tr>
<td>74</td>
<td>ELECTRONIC WARFARE DEVELOPMENT</td>
<td>1,999</td>
<td>1,999</td>
</tr>
<tr>
<td>75</td>
<td>TACTICAL DATA NETWORKS ENTERPRISE</td>
<td>297,976</td>
<td>297,746</td>
</tr>
<tr>
<td></td>
<td>Incurrence to accelerate 21st Century Battle Management Command and Control</td>
<td></td>
<td>[50,000]</td>
</tr>
<tr>
<td>76</td>
<td>PHYSICAL SECURITY EQUIPMENT</td>
<td>11,911</td>
<td>11,911</td>
</tr>
<tr>
<td>77</td>
<td>SMALL DIAMETER DOME (SDD) -- EMD</td>
<td>18,398</td>
<td>18,398</td>
</tr>
<tr>
<td>81</td>
<td>AIRBORNE ELECTRONIC ATTACK</td>
<td>7,151</td>
<td>7,151</td>
</tr>
<tr>
<td>83</td>
<td>ARMAMENT/ORDNANCE DEVELOPMENT</td>
<td>58,290</td>
<td>58,290</td>
</tr>
<tr>
<td>85</td>
<td>SURVIVABILITY</td>
<td>2,990</td>
<td>2,990</td>
</tr>
<tr>
<td>86</td>
<td>AGILE COMBAT SUPPORT</td>
<td>23,928</td>
<td>23,928</td>
</tr>
<tr>
<td>87</td>
<td>JOINT DIRECT ATTACK Munition</td>
<td>15,787</td>
<td>15,787</td>
</tr>
<tr>
<td>88</td>
<td>LIFE SUPPORT SYSTEMS</td>
<td>9,829</td>
<td>9,829</td>
</tr>
<tr>
<td>89</td>
<td>OPRF TRAINING RANGES</td>
<td>24,686</td>
<td>24,686</td>
</tr>
<tr>
<td>90</td>
<td>JSTARS R&amp;D/APS</td>
<td>0</td>
<td>50,000</td>
</tr>
<tr>
<td>91</td>
<td>CONTINUOUS JSTARS recap GMTI radar development</td>
<td></td>
<td>[50,000]</td>
</tr>
<tr>
<td>92</td>
<td>LONG RANGE STANDOFF WEAPON</td>
<td>614,390</td>
<td>619,920</td>
</tr>
<tr>
<td></td>
<td>UPL Program acceleration</td>
<td></td>
<td>[85,000]</td>
</tr>
<tr>
<td>93</td>
<td>ICM FUZE MODERNIZATION</td>
<td>172,902</td>
<td>172,902</td>
</tr>
<tr>
<td>94</td>
<td>KC-46</td>
<td>88,170</td>
<td>88,170</td>
</tr>
<tr>
<td>95</td>
<td>ADVANCED PILOT TRAINING</td>
<td>296,445</td>
<td>296,445</td>
</tr>
<tr>
<td>96</td>
<td>COMBAT RESCUE HELICOPTER</td>
<td>457,532</td>
<td>457,532</td>
</tr>
<tr>
<td>97</td>
<td>JOINT WORKFORCE: GLOBAL BATTLE WMT</td>
<td>3,617</td>
<td>3,617</td>
</tr>
<tr>
<td>98</td>
<td>B-2 DEPLOYMENT MANAGEMENT SYSTEM</td>
<td>263,754</td>
<td>263,754</td>
</tr>
<tr>
<td>99</td>
<td>NUCLEAR WEAPONS MODERNIZATION</td>
<td>91,907</td>
<td>91,907</td>
</tr>
<tr>
<td>100</td>
<td>P-18 EAWNS</td>
<td>137,065</td>
<td>137,065</td>
</tr>
<tr>
<td>101</td>
<td>STAND ON ATTACK WEAPON</td>
<td>43,155</td>
<td>43,155</td>
</tr>
<tr>
<td>102</td>
<td>ADVANCED COMMUNICATIONS SYSTEM</td>
<td>14,988</td>
<td>14,988</td>
</tr>
<tr>
<td>103</td>
<td>COMBAT MISSION TRAINING</td>
<td>1,015</td>
<td>1,015</td>
</tr>
<tr>
<td>104</td>
<td>C2/J EXECUTIVE TRANSPORT RECAPITIALIZATION</td>
<td>7,943</td>
<td>7,943</td>
</tr>
<tr>
<td>105</td>
<td>PRESIDENTIAL AIRCRAFT RECAPITIALIZATION (PAR)</td>
<td>673,032</td>
<td>673,032</td>
</tr>
<tr>
<td>106</td>
<td>AUTOMATED TEST SYSTEMS</td>
<td>13,653</td>
<td>13,653</td>
</tr>
<tr>
<td>110</td>
<td>OPRF SURVIVOR EVADER LOCATOR</td>
<td>929</td>
<td>929</td>
</tr>
<tr>
<td>112</td>
<td>GSP BH</td>
<td>451,899</td>
<td>451,899</td>
</tr>
<tr>
<td>114</td>
<td>SPACE SITUATION AWARENESS OPERATIONS</td>
<td>46,631</td>
<td>46,631</td>
</tr>
<tr>
<td>120</td>
<td>COUNTERSPACE SYSTEMS</td>
<td>20,676</td>
<td>20,676</td>
</tr>
<tr>
<td>122</td>
<td>SPACE SITUATION AWARENESS SYSTEMS</td>
<td>134,666</td>
<td>134,666</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>124</td>
<td>1206434P</td>
<td>SPACE FENCE</td>
<td>20,215</td>
<td>20,215</td>
</tr>
<tr>
<td>125</td>
<td>1206433P</td>
<td>ADVANCED KHIF MILSATCOM (SPACE)</td>
<td>151,506</td>
<td>151,506</td>
</tr>
<tr>
<td>126</td>
<td>1206432P</td>
<td>POLAR MILSATCOM (SPACE)</td>
<td>21,837</td>
<td>21,837</td>
</tr>
<tr>
<td>127</td>
<td>1206431P</td>
<td>WIDERLAND GLOBAL SATCOM (SPACE)</td>
<td>3,970</td>
<td>3,970</td>
</tr>
<tr>
<td>128</td>
<td>1206430P</td>
<td>SPACE BASED INFRARED SYSTEM (SBIERS): HIGH EM</td>
<td>60,565</td>
<td>60,565</td>
</tr>
<tr>
<td>129</td>
<td>1206429P</td>
<td>EVOLVED SBIERS</td>
<td>643,126</td>
<td>741,026</td>
</tr>
<tr>
<td>130</td>
<td>1206428P</td>
<td>EVOLVED EXPENDABLE LAUNCH VEHICULAR PROGRAM (SPACE)</td>
<td>245,147</td>
<td>245,147</td>
</tr>
</tbody>
</table>

**SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION** 5,272,191 5,557,191

**MANAGEMENT SUPPORT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>131</td>
<td>0604154P</td>
<td>THREAT SIMULATOR DEVELOPMENT</td>
<td>34,256</td>
<td>34,256</td>
</tr>
<tr>
<td>132</td>
<td>0604153P</td>
<td>MAJOR TAC INVESTMENT</td>
<td>108,844</td>
<td>(15,000)</td>
</tr>
<tr>
<td>133</td>
<td>0605101P</td>
<td>RAND PROJECT AIR FORCE</td>
<td>34,614</td>
<td>34,614</td>
</tr>
<tr>
<td>134</td>
<td>0605102P</td>
<td>INITIAL OPERATIONAL TEST &amp; EVALUATION</td>
<td>18,043</td>
<td>18,043</td>
</tr>
<tr>
<td>135</td>
<td>0605103P</td>
<td>TEST AND EVALUATION SUPPORT</td>
<td>692,784</td>
<td>692,784</td>
</tr>
<tr>
<td>136</td>
<td>0605104P</td>
<td>AUV WORKFORCE: GLOBAL POWER</td>
<td>231,924</td>
<td>233,924</td>
</tr>
<tr>
<td>137</td>
<td>0605105P</td>
<td>AUV WORKFORCE: GLOBAL VIG &amp; COMBAT SYS</td>
<td>263,488</td>
<td>263,488</td>
</tr>
<tr>
<td>138</td>
<td>0605106P</td>
<td>AUV WORKFORCE: GLOBAL BEACH</td>
<td>134,591</td>
<td>134,591</td>
</tr>
<tr>
<td>139</td>
<td>0605107P</td>
<td>AUV WORKFORCE: CYBER, NETWORK &amp; BUS SYS</td>
<td>312,125</td>
<td>312,125</td>
</tr>
<tr>
<td>140</td>
<td>0605108P</td>
<td>AUV WORKFORCE: GLOBAL BATTLE MGMT</td>
<td>169,868</td>
<td>169,868</td>
</tr>
<tr>
<td>141</td>
<td>0605109P</td>
<td>AUV WORKFORCE: CAPABILITY INTEGRATION</td>
<td>226,219</td>
<td>226,219</td>
</tr>
<tr>
<td>142</td>
<td>0605110P</td>
<td>AUV WORKFORCE: ADVANCED TECHNOLOGY</td>
<td>36,460</td>
<td>36,460</td>
</tr>
<tr>
<td>143</td>
<td>0605111P</td>
<td>AUV WORKFORCE: NUCLEAR SYSTEMS</td>
<td>125,563</td>
<td>125,563</td>
</tr>
<tr>
<td>144</td>
<td>0605112P</td>
<td>MANAGEMENT HQ—RAD</td>
<td>10,642</td>
<td>10,642</td>
</tr>
<tr>
<td>145</td>
<td>0605113P</td>
<td>FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT</td>
<td>162,216</td>
<td>162,216</td>
</tr>
<tr>
<td>146</td>
<td>0605114P</td>
<td>FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT</td>
<td>28,988</td>
<td>28,988</td>
</tr>
<tr>
<td>147</td>
<td>0605115P</td>
<td>REQUIREMENTS ANALYSIS AND MATURATION</td>
<td>35,285</td>
<td>35,285</td>
</tr>
<tr>
<td>148</td>
<td>0605116P</td>
<td>ENTERPRISE INFORMATION SERVICES (EIS)</td>
<td>20,545</td>
<td>20,545</td>
</tr>
<tr>
<td>149</td>
<td>0605117P</td>
<td>ACQUISITION AND MANAGEMENT SUPPORT</td>
<td>12,367</td>
<td>12,367</td>
</tr>
<tr>
<td>150</td>
<td>0605118P</td>
<td>GENERAL SKILL TRAINING</td>
<td>1,418</td>
<td>1,418</td>
</tr>
<tr>
<td>151</td>
<td>1001004P</td>
<td>INTERNATIONAL ACTIVITIES</td>
<td>3,999</td>
<td>3,999</td>
</tr>
<tr>
<td>152</td>
<td>1206410P</td>
<td>SPACE TEST AND TRAINING RANGE DEVELOPMENT</td>
<td>23,254</td>
<td>23,254</td>
</tr>
<tr>
<td>153</td>
<td>1206409P</td>
<td>SPACE AND MISSILE CENTER (SASC) CIVILIAN WORKFORCE</td>
<td>169,912</td>
<td>169,912</td>
</tr>
<tr>
<td>154</td>
<td>1206408P</td>
<td>SPACE &amp; MISSILE SYSTEMS CENTER—MIRI</td>
<td>10,508</td>
<td>10,508</td>
</tr>
<tr>
<td>155</td>
<td>1206407P</td>
<td>ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)</td>
<td>19,721</td>
<td>19,721</td>
</tr>
<tr>
<td>156</td>
<td>1206406P</td>
<td>SPACE TEST PROGRAM (STP)</td>
<td>25,620</td>
<td>25,620</td>
</tr>
</tbody>
</table>

**SUBTOTAL MANAGEMENT SUPPORT** 2,839,511 2,854,511

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>999999999</td>
<td>CLASSIFIED PROGRAMS</td>
<td></td>
<td>16,514,124</td>
<td>16,514,124</td>
</tr>
</tbody>
</table>

**OPERATIONAL SYSTEMS DEVELOPMENT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>157</td>
<td>0604151P</td>
<td>SPECIALIZED IN-ABATMENT FLIGHT TRAINING</td>
<td>11,341</td>
<td>11,341</td>
</tr>
<tr>
<td>158</td>
<td>0605014P</td>
<td>AF INTERDIATION PERSONNEL AND PAY SYSTEM (AF-IPPS)</td>
<td>41,295</td>
<td>41,295</td>
</tr>
<tr>
<td>159</td>
<td>0605015P</td>
<td>Air Force requested realignment and lengthy decision timeline</td>
<td>(−14,146)</td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>0605016P</td>
<td>AIR FORCE TECHNOLOGY EXECUTIVE AGENCY</td>
<td>32,770</td>
<td>32,770</td>
</tr>
<tr>
<td>161</td>
<td>0605017P</td>
<td>INDEMNIFICATION ACQUISITION AND EXPLOITATION</td>
<td>68,040</td>
<td>68,040</td>
</tr>
<tr>
<td>162</td>
<td>0605018P</td>
<td>DEFENSE: ACQUISITION OF CAPABILITIES</td>
<td>1,960</td>
<td>1,960</td>
</tr>
<tr>
<td>163</td>
<td>0605019P</td>
<td>NC3 INTEGRATION</td>
<td>24,524</td>
<td>24,524</td>
</tr>
<tr>
<td>164</td>
<td>0605020P</td>
<td>REQUIREMENTS ANALYSIS AND MATURATION</td>
<td>35,285</td>
<td>35,285</td>
</tr>
<tr>
<td>165</td>
<td>0605021P</td>
<td>GENERAL SKILL TRAINING</td>
<td>1,418</td>
<td>1,418</td>
</tr>
<tr>
<td>166</td>
<td>0605022P</td>
<td>INTERNATIONAL ACTIVITIES</td>
<td>3,999</td>
<td>3,999</td>
</tr>
<tr>
<td>167</td>
<td>0605023P</td>
<td>ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES</td>
<td>99,100</td>
<td>99,100</td>
</tr>
<tr>
<td>168</td>
<td>0605024P</td>
<td>B-52 SQUADRONS</td>
<td>280,114</td>
<td>280,114</td>
</tr>
<tr>
<td>169</td>
<td>0605025P</td>
<td>Air Force requested realignment</td>
<td>(−14,980)</td>
<td></td>
</tr>
<tr>
<td>170</td>
<td>0605026P</td>
<td>AIR LAUNCHED CRUISE MISSILE (ALCM)</td>
<td>5,955</td>
<td>5,955</td>
</tr>
<tr>
<td>171</td>
<td>0605027P</td>
<td>B-1B SQUADRONS</td>
<td>76,030</td>
<td>76,030</td>
</tr>
<tr>
<td>172</td>
<td>0605028P</td>
<td>B-2 SQUADRONS</td>
<td>105,562</td>
<td>105,562</td>
</tr>
<tr>
<td>173</td>
<td>0605029P</td>
<td>MINUTEMAN SQUADRONS</td>
<td>156,047</td>
<td>156,047</td>
</tr>
<tr>
<td>174</td>
<td>0605030P</td>
<td>WORLDWIDE JOINT STRATEGIC COMMUNICATION</td>
<td>10,842</td>
<td>10,842</td>
</tr>
<tr>
<td>175</td>
<td>0605031P</td>
<td>NETWORK OPERATIONS PLANNING AND SUPPORT PROGRAM</td>
<td>176,582</td>
<td>176,582</td>
</tr>
<tr>
<td>176</td>
<td>0605032P</td>
<td>SPACE AND MISSILE CENTER (SASC) CIVILIAN WORKFORCE</td>
<td>169,912</td>
<td>169,912</td>
</tr>
<tr>
<td>177</td>
<td>0605033P</td>
<td>SPACE &amp; MISSILE SYSTEMS CENTER—MIRI</td>
<td>10,508</td>
<td>10,508</td>
</tr>
<tr>
<td>178</td>
<td>0605034P</td>
<td>TRANSPORTATION PROGRAM</td>
<td>298,022</td>
<td>298,022</td>
</tr>
<tr>
<td>179</td>
<td>0605035P</td>
<td>REGIONAL/DOD OPERATIONS CENTER MODERNIZATION PROGRAM</td>
<td>9,252</td>
<td>9,252</td>
</tr>
<tr>
<td>180</td>
<td>0605036P</td>
<td>AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM</td>
<td>121,585</td>
<td>121,585</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>202</td>
<td>0207215P</td>
<td>JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)</td>
<td>60,062</td>
<td>60,062</td>
</tr>
<tr>
<td>203</td>
<td>0207119P</td>
<td>AIR &amp; SPACE OPERATIONS CENTER (LOC)</td>
<td>106,102</td>
<td>106,102</td>
</tr>
<tr>
<td>204</td>
<td>0207141P</td>
<td>CONTROL AND REPORTING CENTER (URC)</td>
<td>6,413</td>
<td>6,413</td>
</tr>
<tr>
<td>205</td>
<td>0207147P</td>
<td>AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)</td>
<td>120,644</td>
<td>120,644</td>
</tr>
</tbody>
</table>

Incurred to accelerate 21A Century Battle Manager Command and Control

206 | 0207143P | TACTICAL AIRBORNE CONTROL SYSTEMS | 2,659 | 2,659 |
207 | 0207143P | COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES | 10,316 | 10,316 |
208 | 0207143P | TACTICAL AIR CONTROL PARTY-MOD | 6,149 | 6,149 |
209 | 0207143P | CASE TACTICAL DATA LINK | 1,179 | 1,179 |
210 | 0207143P | ACF | 12,297 | 12,297 |
211 | 0207143P | NATIONAL TECHNICAL NUCLEAR FORENSICS | 3,788 | 3,788 |
212 | 0207141P | JOINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM (JSTARS) | 14,988 | 14,988 |
213 | 0207190P | SEEK EAGLE | 24,999 | 24,999 |
214 | 0207190P | USAF MODELING AND SIMULATION | 17,078 | 17,078 |
215 | 0207190P | WARSAMING AND SIMULATION CENTERS | 6,141 | 6,141 |
216 | 0207190P | DISTRIBUTED TRAINING AND EXERCISES | 4,225 | 4,225 |
217 | 0207190P | MISSION PLANNING SYSTEMS | 62,651 | 62,651 |
218 | 0207190P | TACTICAL DECEPTION | 8,949 | 8,949 |
219 | 0207190P | AF OFFENSIVE CYBERSPACE OPERATIONS | 40,526 | 40,526 |
220 | 0207190P | DEFENSIVE CYBERSPACE OPERATIONS | 37,166 | 37,166 |
221 | 0207119P | JOINT CYBER COMMAND AND CONTROL (JCC) | 13,000 | 13,000 |
222 | 0207190P | UNIFIED PLATFORM (UP) | 26,759 | 26,759 |
223 | 0305110P | GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN) | 3,579 | 3,579 |
224 | 0303112P | NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES) | 29,620 | 29,620 |
225 | 0303111P | AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR RATTLESPACE AWARENESS | 8,632 | 8,632 |
226 | 0305113P | E-8 NATIONAL AIRBORNE OPERATIONS CENTER (NAOC) | 57,758 | 57,758 |
227 | 0305111P | MINIMUM ESSENTIAL COMMUNICATIONS NETWORK (MECN) | 82,808 | 82,808 |
228 | 0305113P | HIGH FREQUENCY RADIO SYSTEMS | 51,412 | 51,412 |
229 | 0305110P | INFORMATION SYSTEMS SECURITY PROGRAM | 34,642 | 34,642 |
230 | 0305112P | GLOBAL FORCE MANAGEMENT—DATA INITIATIVE | 2,170 | 2,170 |
231 | 0305110P | AIRBORNE JOINT ENTERPRISE | 106,873 | 106,873 |
232 | 0305110P | COMMERCIAL ECONOMIC ANALYSIS | 3,472 | 3,472 |
233 | 0305110P | C2 AIR OPERATIONS SUITE—C2 INFO SERVICES | 8,608 | 8,608 |
234 | 0305110P | C2/INTelligence INFORMATION TECHNOLOGY | 1,586 | 1,586 |
235 | 0305110P | GLOBAL AIR TRAFFIC MANAGEMENT (GATM) | 4,892 | 4,892 |
236 | 0305110P | WEATHER SERVICE | 26,942 | 26,942 |
237 | 0305114P | AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCALS) | 6,271 | 6,271 |
238 | 0305114P | AERIAL TARGETS | 8,389 | 8,389 |
239 | 0305114P | SECURITY AND INVESTIGATIVE ACTIVITIES | 418 | 418 |
240 | 0305114P | DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES | 3,845 | 3,845 |
241 | 0305114P | DEFIANCE & DEFEAT | 49,518 | 49,518 |
242 | 0305114P | AIRBORNE RECONNAISSANCE SYSTEMS | 175,334 | 175,334 |
243 | 0305114P | MANEUVER RECONNAISSANCE SYSTEMS | 14,223 | 14,223 |
244 | 0305114P | DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS | 24,554 | 24,554 |
245 | 0305114P | EQ-4 AV | 233,690 | 233,690 |
246 | 0305114P | NETWORK-CENTRIC COLLABORATIVE TARGETING | 14,299 | 14,299 |
247 | 0305114P | NATO-AGS | 51,257 | 51,257 |
248 | 0305114P | SUPPORT TO DOOS ENTERPRISE | 26,579 | 26,579 |
249 | 0305114P | INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES | 8,464 | 8,464 |
250 | 0305114P | RAPID CYBER ACQUISITION | 4,303 | 4,303 |
251 | 0305114P | PERSONNEL RECOVERY COMMAND & CTRL (PRC2) | 2,466 | 2,466 |
252 | 0305114P | INTELLIGENCE MISSION DATA (IMD) | 4,417 | 4,417 |
253 | 0305114P | C-230 AERIAL SQUADRON | 105,988 | 105,988 |
254 | 0305114P | C-5 AERIAL SQUADRON (IP) | 25,071 | 25,071 |
255 | 0305114P | C-17 AERIAL SQUADRON (IP) | 42,290 | 42,290 |
256 | 0305114P | C-130 PROGRAM | 15,409 | 15,409 |
257 | 0305114P | LARGE AIRCRAFT COUNTERMEASURES (LAIRCM) | 4,384 | 4,384 |
258 | 0305114P | EC-135X | 3,493 | 3,493 |
259 | 0305114P | KC-10 | 6,369 | 6,369 |
260 | 0305114P | OPERATIONAL SUPPORT AERIAL | 3,172 | 3,172 |
261 | 0305114P | CV-22 | 18,542 | 18,542 |
262 | 0305114P | AMK COMMAND AND CONTROL SYSTEM | 4,688 | 4,688 |
263 | 0305114P | SPECIAL TACTICS / COMBAT CONTROL | 2,541 | 2,541 |
264 | 0305114P | DEPOT MAINTENANCE (NON-IDP) | 1,897 | 1,897 |
265 | 0305114P | MAINTENANCE, REPAIR & OVERHAUL SYSTEM | 50,833 | 50,833 |

Note: agile development implementation $[45,060]}

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>0305114P</td>
<td>LOGISTICS INFORMATION TECHNOLOGY (LITI)</td>
<td>13,797</td>
<td>13,797</td>
<td></td>
</tr>
<tr>
<td>0305114P</td>
<td>SUPPORT SYSTEMS DEVELOPMENT</td>
<td>4,497</td>
<td>4,497</td>
<td></td>
</tr>
<tr>
<td>0305114P</td>
<td>OTHER FLIGHT TRAINING</td>
<td>2,022</td>
<td>2,022</td>
<td></td>
</tr>
<tr>
<td>0305114P</td>
<td>OTHER PERSONNEL ACTIVITIES</td>
<td>108</td>
<td>108</td>
<td></td>
</tr>
<tr>
<td>0305114P</td>
<td>PERSONNEL RECOVERY AGENCY</td>
<td>2,023</td>
<td>2,023</td>
<td></td>
</tr>
<tr>
<td>0305114P</td>
<td>CIVILIAN COMPENSATION PROGRAM</td>
<td>3,772</td>
<td>3,772</td>
<td></td>
</tr>
</tbody>
</table>

† HR 5515 PAP
## SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

**(In Thousands of Dollars)**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>306</td>
<td>0901230P</td>
<td>PERSONNEL ADMINISTRATION</td>
<td>6,358</td>
<td>6,358</td>
</tr>
<tr>
<td>307</td>
<td>0901231P</td>
<td>AFR FISCAP</td>
<td>3,448</td>
<td>3,448</td>
</tr>
<tr>
<td>308</td>
<td>0901540P</td>
<td>FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT</td>
<td>59,734</td>
<td>82,918</td>
</tr>
<tr>
<td>309</td>
<td>1203501P</td>
<td>SERVICE SUPPORT TO STRATEG—SPACE ACTIVITIES</td>
<td>14,161</td>
<td>14,161</td>
</tr>
<tr>
<td>310</td>
<td>1203502P</td>
<td>AF TENCAP</td>
<td>26,586</td>
<td>26,586</td>
</tr>
<tr>
<td>311</td>
<td>1203504P</td>
<td>FAMILY OF ADVANCED BLOS TERMINALS (FAP-T)</td>
<td>90,168</td>
<td>90,168</td>
</tr>
<tr>
<td>312</td>
<td>1203506P</td>
<td>SATELLITE CONTROL NETWORK (SPACE)</td>
<td>17,908</td>
<td>17,908</td>
</tr>
<tr>
<td>313</td>
<td>1203508P</td>
<td>NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE)</td>
<td>8,937</td>
<td>8,937</td>
</tr>
<tr>
<td>314</td>
<td>1203509P</td>
<td>SPACE AND MISSILE TEST AND EVALUATION CENTER</td>
<td>59,835</td>
<td>59,835</td>
</tr>
<tr>
<td>315</td>
<td>1203510P</td>
<td>SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT</td>
<td>23,019</td>
<td>23,019</td>
</tr>
<tr>
<td>316</td>
<td>1203511P</td>
<td>INTEGRATED BROADCAST SERVICE (IBS)</td>
<td>8,568</td>
<td>8,568</td>
</tr>
<tr>
<td>317</td>
<td>1203512P</td>
<td>SPACE/LEAP RANGE SYSTEM (SPACE)</td>
<td>10,641</td>
<td>10,641</td>
</tr>
<tr>
<td>318</td>
<td>1203513P</td>
<td>GPS H/R SEGMENT</td>
<td>144,543</td>
<td>144,543</td>
</tr>
<tr>
<td>319</td>
<td>1203514P</td>
<td>SPACE SUPERIORITY INTELLIGENCE</td>
<td>16,278</td>
<td>16,278</td>
</tr>
<tr>
<td>320</td>
<td>1203515P</td>
<td>JSPOC MISSION SYSTEM</td>
<td>72,156</td>
<td>62,256</td>
</tr>
<tr>
<td>321</td>
<td>1203516P</td>
<td>NATIONAL SPACE DEFENSE CENTER</td>
<td>42,209</td>
<td>42,209</td>
</tr>
<tr>
<td>322</td>
<td>1203517P</td>
<td>JSPOC MISSION SYSTEM</td>
<td>72,156</td>
<td>62,256</td>
</tr>
</tbody>
</table>

**SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT** | 22,891,740 | 22,825,518 |

**TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF** | 40,178,343 | 40,753,244 |

### RESEARCH, DEVELOPMENT, TEST & EVAL, DW

**BASIC RESEARCH**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0601009BR</td>
<td>DTRA BASIC RESEARCH</td>
<td>37,023</td>
<td>37,023</td>
</tr>
<tr>
<td>2</td>
<td>0601101E</td>
<td>DEFENSE RESEARCH SCIENCES</td>
<td>422,130</td>
<td>429,630</td>
</tr>
<tr>
<td>3</td>
<td>0601100DoZ</td>
<td>BASIC RESEARCH INITIATIVES</td>
<td>42,702</td>
<td>52,502</td>
</tr>
<tr>
<td>4</td>
<td>0601111E</td>
<td>BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE</td>
<td>47,825</td>
<td>52,825</td>
</tr>
<tr>
<td>5</td>
<td>0601120DoZ</td>
<td>NATIONAL DEFENSE EDUCATION PROGRAM</td>
<td>85,929</td>
<td>85,929</td>
</tr>
<tr>
<td>6</td>
<td>0601121E</td>
<td>HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS</td>
<td>30,412</td>
<td>30,412</td>
</tr>
<tr>
<td>7</td>
<td>0601308BP</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</td>
<td>42,061</td>
<td>42,103</td>
</tr>
<tr>
<td>8</td>
<td>0601000BR</td>
<td>DTRA BASIC RESEARCH</td>
<td>37,023</td>
<td>37,023</td>
</tr>
<tr>
<td>9</td>
<td>0601101E</td>
<td>DEFENSE RESEARCH SCIENCES</td>
<td>422,130</td>
<td>429,630</td>
</tr>
<tr>
<td>10</td>
<td>0601100DoZ</td>
<td>BASIC RESEARCH INITIATIVES</td>
<td>42,702</td>
<td>52,502</td>
</tr>
<tr>
<td>11</td>
<td>0601111E</td>
<td>BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE</td>
<td>47,825</td>
<td>52,825</td>
</tr>
<tr>
<td>12</td>
<td>0601120DoZ</td>
<td>NATIONAL DEFENSE EDUCATION PROGRAM</td>
<td>85,929</td>
<td>85,929</td>
</tr>
<tr>
<td>13</td>
<td>0601121E</td>
<td>HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS</td>
<td>30,412</td>
<td>30,412</td>
</tr>
<tr>
<td>14</td>
<td>0601122E</td>
<td>HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS</td>
<td>30,412</td>
<td>30,412</td>
</tr>
</tbody>
</table>

**SUBTOTAL BASIC RESEARCH** | 708,114 | 735,614 |

### APPLIED RESEARCH

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>0602009DoZ</td>
<td>JOINT MUNITIONS TECHNOLOGY</td>
<td>19,170</td>
<td>21,670</td>
</tr>
<tr>
<td>16</td>
<td>0602010E</td>
<td>BIOLOGICAL TECHNOLOGY</td>
<td>190,180</td>
<td>190,180</td>
</tr>
<tr>
<td>17</td>
<td>0602011E</td>
<td>LINCOLN LABORATORY RESEARCH PROGRAM</td>
<td>52,296</td>
<td>51,296</td>
</tr>
<tr>
<td>18</td>
<td>0602012DoZ</td>
<td>APPLIED RESEARCH FOR THE ADVANCEMENT OF S&amp;T PRIORITIES</td>
<td>60,488</td>
<td>54,188</td>
</tr>
<tr>
<td>19</td>
<td>0602013E</td>
<td>INFORMATION AND COMMUNICATIONS TECHNOLOGY</td>
<td>395,317</td>
<td>395,317</td>
</tr>
<tr>
<td>20</td>
<td>0602014E</td>
<td>BIOLOGICAL WARFARE DEFENSE</td>
<td>38,840</td>
<td>38,840</td>
</tr>
<tr>
<td>21</td>
<td>0602015E</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</td>
<td>192,674</td>
<td>192,674</td>
</tr>
<tr>
<td>22</td>
<td>0602016E</td>
<td>CYBER SECURITY RESEARCH</td>
<td>14,560</td>
<td>14,560</td>
</tr>
<tr>
<td>23</td>
<td>0602017E</td>
<td>TACTICAL TECHNOLOGY</td>
<td>335,466</td>
<td>322,966</td>
</tr>
<tr>
<td>24</td>
<td>0602018E</td>
<td>MATERIALS AND BIOLOGICAL TECHNOLOGY</td>
<td>226,998</td>
<td>211,998</td>
</tr>
<tr>
<td>25</td>
<td>0602019E</td>
<td>ELECTRONICS TECHNOLOGY</td>
<td>333,847</td>
<td>333,847</td>
</tr>
<tr>
<td>26</td>
<td>0602020E</td>
<td>COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RESEARCH</td>
<td>163,151</td>
<td>161,151</td>
</tr>
<tr>
<td>27</td>
<td>0602021E</td>
<td>SOFTWARE ENGINEERING INSTITUTE (SEI) RESEARCH</td>
<td>9,300</td>
<td>9,300</td>
</tr>
<tr>
<td>28</td>
<td>110401EB</td>
<td>SOF TECHNOLOGY DEVELOPMENT</td>
<td>25,590</td>
<td>25,590</td>
</tr>
<tr>
<td>29</td>
<td>0603000DoZ</td>
<td>JOINT MUNITIONS ADVANCED TECHNOLOGY</td>
<td>25,590</td>
<td>25,590</td>
</tr>
<tr>
<td>30</td>
<td>0603010E</td>
<td>OPERATING ROOM TECHNOLOGY SUPPORT</td>
<td>17,908</td>
<td>17,908</td>
</tr>
</tbody>
</table>

**SUBTOTAL APPLIED RESEARCH** | 1,976,937 | 1,854,437 |

### ADVANCED TECHNOLOGY DEVELOPMENT

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>0603000DoZ</td>
<td>PLAY TECHNOLOGY DEVELOPMENT</td>
<td>25,590</td>
<td>25,590</td>
</tr>
<tr>
<td>32</td>
<td>0603010E</td>
<td>OPERATING ROOM TECHNOLOGY SUPPORT</td>
<td>17,908</td>
<td>17,908</td>
</tr>
</tbody>
</table>

**SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT** | 1,976,937 | 1,854,437 |
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>0603174E</td>
<td>ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT</td>
<td>15,017</td>
<td>13,017</td>
</tr>
<tr>
<td>29</td>
<td>0603175E</td>
<td>WEAPONS TECHNOLOGY</td>
<td>0</td>
<td>13,400</td>
</tr>
<tr>
<td>30</td>
<td>060318DZ</td>
<td>MDA UPL, kinetic hypersonic missile defense</td>
<td>20,965</td>
<td>19,565</td>
</tr>
<tr>
<td>32</td>
<td>060322D2Z</td>
<td>JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT</td>
<td>38,414</td>
<td>18,614</td>
</tr>
<tr>
<td>34</td>
<td>060324E</td>
<td>ADVANCED AEROSPACE SYSTEMS</td>
<td>377,600</td>
<td>282,600</td>
</tr>
<tr>
<td>35</td>
<td>060325E</td>
<td>SPACE PROGRAMS AND TECHNOLOGY</td>
<td>5,120</td>
<td>3,120</td>
</tr>
<tr>
<td>36</td>
<td>060325E</td>
<td>DEFENSE INNOVATION UNIT EXPERIMENTAL (DIUX)</td>
<td>29,864</td>
<td>29,864</td>
</tr>
<tr>
<td>37</td>
<td>060325E</td>
<td>TECHNOLOGY INNOVATION</td>
<td>82,143</td>
<td>101,143</td>
</tr>
<tr>
<td>38</td>
<td>060325E</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED TECHNOLOGY</td>
<td>13,621</td>
<td>13,621</td>
</tr>
<tr>
<td>39</td>
<td>060325E</td>
<td>DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM</td>
<td>114,637</td>
<td>127,637</td>
</tr>
<tr>
<td>40</td>
<td>060325E</td>
<td>ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM</td>
<td>69,626</td>
<td>59,626</td>
</tr>
<tr>
<td>41</td>
<td>060325E</td>
<td>ACQUISITION ENTERPRISE DATA &amp; INFORMATION SERVICES</td>
<td>2,506</td>
<td>2,506</td>
</tr>
<tr>
<td>42</td>
<td>060325E</td>
<td>WALKOFF</td>
<td>92,222</td>
<td>92,222</td>
</tr>
<tr>
<td>43</td>
<td>060325E</td>
<td>SOF ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>79,380</td>
<td>79,380</td>
</tr>
<tr>
<td>44</td>
<td>060325E</td>
<td>QUICK REACTION SPECIAL PROJECTS</td>
<td>69,384</td>
<td>50,384</td>
</tr>
<tr>
<td>45</td>
<td>060325E</td>
<td>SOFTWARE ENGINEERING INSTITUTE</td>
<td>15,017</td>
<td>15,017</td>
</tr>
<tr>
<td>46</td>
<td>060325E</td>
<td>DEFENSE INNOVATION UNIT EXPERIMENTAL (DIUX)</td>
<td>29,864</td>
<td>29,864</td>
</tr>
<tr>
<td>47</td>
<td>060325E</td>
<td>MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT</td>
<td>169,637</td>
<td>177,637</td>
</tr>
<tr>
<td>48</td>
<td>060325E</td>
<td>MANUFACTURING TECHNOLOGY PROGRAM</td>
<td>49,667</td>
<td>32,667</td>
</tr>
<tr>
<td>49</td>
<td>060325E</td>
<td>EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT</td>
<td>49,383</td>
<td>49,383</td>
</tr>
<tr>
<td>50</td>
<td>060325E</td>
<td>GENERAL LOGISTICS R&amp;D TECHNOLOGY DEMONSTRATIONS</td>
<td>13,728</td>
<td>13,728</td>
</tr>
<tr>
<td>51</td>
<td>060325E</td>
<td>STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM</td>
<td>76,514</td>
<td>86,514</td>
</tr>
<tr>
<td>52</td>
<td>060325E</td>
<td>ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM</td>
<td>69,626</td>
<td>59,626</td>
</tr>
<tr>
<td>53</td>
<td>060325E</td>
<td>DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>13,564</td>
<td>13,564</td>
</tr>
<tr>
<td>54</td>
<td>060325E</td>
<td>SOFTWARE ENGINEERING INSTITUTE</td>
<td>15,017</td>
<td>15,017</td>
</tr>
<tr>
<td>55</td>
<td>060325E</td>
<td>QUICK REACTION SPECIAL PROJECTS</td>
<td>69,626</td>
<td>69,626</td>
</tr>
<tr>
<td>56</td>
<td>060325E</td>
<td>JOINT WARFIGHTING PROGRAM</td>
<td>5,992</td>
<td>5,992</td>
</tr>
<tr>
<td>57</td>
<td>060325E</td>
<td>ADVANCED ELECTRONICS TECHNOLOGIES</td>
<td>131,059</td>
<td>131,059</td>
</tr>
<tr>
<td>58</td>
<td>060325E</td>
<td>COXIN TRADUCER AND COMMUNICATIONS SYSTEMS</td>
<td>185,984</td>
<td>185,984</td>
</tr>
<tr>
<td>59</td>
<td>060325E</td>
<td>NETWORK-CENTRIC WARFARE TECHNOLOGY</td>
<td>348,569</td>
<td>429,569</td>
</tr>
<tr>
<td>60</td>
<td>060325E</td>
<td>SENSOR TECHNOLOGY</td>
<td>35,016</td>
<td>35,016</td>
</tr>
<tr>
<td>61</td>
<td>060325E</td>
<td>ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM</td>
<td>69,626</td>
<td>59,626</td>
</tr>
<tr>
<td>62</td>
<td>060325E</td>
<td>DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>13,564</td>
<td>13,564</td>
</tr>
<tr>
<td>63</td>
<td>060325E</td>
<td>SOFTWARE ENGINEERING INSTITUTE</td>
<td>15,017</td>
<td>15,017</td>
</tr>
<tr>
<td>64</td>
<td>060325E</td>
<td>QUICK REACTION SPECIAL PROJECTS</td>
<td>69,626</td>
<td>69,626</td>
</tr>
<tr>
<td>65</td>
<td>060325E</td>
<td>JOINT WARFIGHTING PROGRAM</td>
<td>5,992</td>
<td>5,992</td>
</tr>
<tr>
<td>66</td>
<td>060325E</td>
<td>ADVANCED ELECTRONICS TECHNOLOGIES</td>
<td>131,059</td>
<td>131,059</td>
</tr>
<tr>
<td>67</td>
<td>060325E</td>
<td>COXIN TRADUCER AND COMMUNICATIONS SYSTEMS</td>
<td>185,984</td>
<td>185,984</td>
</tr>
<tr>
<td>68</td>
<td>060325E</td>
<td>NETWORK-CENTRIC WARFARE TECHNOLOGY</td>
<td>348,569</td>
<td>429,569</td>
</tr>
<tr>
<td>69</td>
<td>060325E</td>
<td>SENSOR TECHNOLOGY</td>
<td>35,016</td>
<td>35,016</td>
</tr>
<tr>
<td>70</td>
<td>060325E</td>
<td>ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM</td>
<td>69,626</td>
<td>59,626</td>
</tr>
<tr>
<td>71</td>
<td>060325E</td>
<td>DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>13,564</td>
<td>13,564</td>
</tr>
<tr>
<td>72</td>
<td>060325E</td>
<td>SOFTWARE ENGINEERING INSTITUTE</td>
<td>15,017</td>
<td>15,017</td>
</tr>
<tr>
<td>73</td>
<td>060325E</td>
<td>QUICK REACTION SPECIAL PROJECTS</td>
<td>69,626</td>
<td>69,626</td>
</tr>
<tr>
<td>74</td>
<td>060325E</td>
<td>JOINT WARFIGHTING PROGRAM</td>
<td>5,992</td>
<td>5,992</td>
</tr>
<tr>
<td>75</td>
<td>060325E</td>
<td>ADVANCED ELECTRONICS TECHNOLOGIES</td>
<td>131,059</td>
<td>131,059</td>
</tr>
<tr>
<td>76</td>
<td>060325E</td>
<td>COXIN TRADUCER AND COMMUNICATIONS SYSTEMS</td>
<td>185,984</td>
<td>185,984</td>
</tr>
<tr>
<td>77</td>
<td>060325E</td>
<td>NETWORK-CENTRIC WARFARE TECHNOLOGY</td>
<td>348,569</td>
<td>429,569</td>
</tr>
<tr>
<td>78</td>
<td>060325E</td>
<td>SENSOR TECHNOLOGY</td>
<td>35,016</td>
<td>35,016</td>
</tr>
<tr>
<td>79</td>
<td>060325E</td>
<td>ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM</td>
<td>69,626</td>
<td>59,626</td>
</tr>
<tr>
<td>80</td>
<td>1109</td>
<td>NATIONAL SECURITY INNOVATION ACTIVITIES</td>
<td>0</td>
<td>![208,000]</td>
</tr>
</tbody>
</table>

**ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES**

- Nuclear and Conventional Physical Security Equipment Development
- WALKOFF
- Acquisition Enterprise Data & Information Services
- Environmental Security Technical Certification Program

**Ballistic Missile Defense Terminal Defense Segment**

- MDA UPL, USM, JEOX

**Ballistic Missile Defense Midcourse Defense Segment**

- Reduce FY19 Numbers

| **SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT** | **3,699,612** | **4,083,712** |

† HR 5515 PAP
## SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>74</td>
<td>0600506D8Z</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEMOL ...</td>
<td>129,896</td>
<td>129,896</td>
</tr>
<tr>
<td>75</td>
<td>0600507D8Z</td>
<td>BALLISTIC MISSILE DEFENSE SENSORS</td>
<td>229,656</td>
<td>245,856</td>
</tr>
<tr>
<td>76</td>
<td>0600508D8Z</td>
<td>MDA UPL USFK JION</td>
<td>540,926</td>
<td>540,926</td>
</tr>
<tr>
<td>77</td>
<td>0600509D8Z</td>
<td>SPECIAL PROGRAMS—MBA</td>
<td>422,148</td>
<td>422,148</td>
</tr>
<tr>
<td>78</td>
<td>0600510D8Z</td>
<td>ARMS EMD</td>
<td>765,339</td>
<td>765,339</td>
</tr>
<tr>
<td>79</td>
<td>0600511D8Z</td>
<td>BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BAT ...</td>
<td>475,168</td>
<td>475,168</td>
</tr>
</tbody>
</table>

- **Line Program**
- **Item**
- **FY 2019 Request**
- **Senate Authorized**

### SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES

8,709,725 8,752,525

### SYSTEM DEVELOPMENT AND DEMONSTRATION

- **Nuclear and conventional physical security equipment development**
- **Prompt global strike capability development**
- **Chemical and biological defense program—EMD**
- **Joint tactical information distribution system (JTIDS)**
- **Counter weapons of mass destruction systems development**
- **Information technology development**
- **Information technology development**
- **Defense exportability program**
- **OUSD IT development initiatives**

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>128</td>
<td>060507D8Z</td>
<td>DCMD POLICY AND INTEGRATION</td>
<td>2,065</td>
<td>3,105</td>
</tr>
<tr>
<td>129</td>
<td>060509B</td>
<td>DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM</td>
<td>[1,000]</td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>060509B</td>
<td>DEFENSE RETIRED AND ASSISTANT PAY SYSTEM (DRAS)</td>
<td>10,724</td>
<td>10,724</td>
</tr>
<tr>
<td>132</td>
<td>060510D8Z</td>
<td>DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES</td>
<td>6,374</td>
<td>0</td>
</tr>
<tr>
<td>133</td>
<td>060520D8Z</td>
<td>TRUSTED &amp; ASSURED MOBILE ELECTRONICS</td>
<td>[−4,374]</td>
<td></td>
</tr>
<tr>
<td>134</td>
<td>030111K</td>
<td>GLOBAL COMBAT SUPPORT SYSTEM</td>
<td>2,542</td>
<td>2,542</td>
</tr>
<tr>
<td>135</td>
<td>030515D8Z</td>
<td>DOD ENTERPRISE EMAIL INFORMATION MANAGEMENT (EEM)</td>
<td>2,435</td>
<td>2,435</td>
</tr>
<tr>
<td>136</td>
<td>060510D8Z</td>
<td>CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION</td>
<td>17,048</td>
<td>17,048</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL SYSTEM DEVELOPMENT AND DEMONSTRATION</strong></td>
<td><strong>831,189</strong></td>
<td><strong>816,227</strong></td>
</tr>
</tbody>
</table>

**959999999**  
**CLASSIFIED PROGRAMS**  

**MANAGEMENT SUPPORT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>137</td>
<td>060471D8Z</td>
<td>DEFENSE READINESS REPORTING SYSTEM (DRES)</td>
<td>6,641</td>
<td>6,641</td>
</tr>
<tr>
<td>138</td>
<td>060485D8Z</td>
<td>JOINT SYSTEMS ARCHITECTURE DEVELOPMENT (CSA)</td>
<td>4,088</td>
<td>4,088</td>
</tr>
<tr>
<td>139</td>
<td>060490D8Z</td>
<td>CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP)</td>
<td>256,796</td>
<td>268,796</td>
</tr>
<tr>
<td>140</td>
<td>060491D8Z</td>
<td>ASSESSMENTS AND EVALUATIONS (ASSESS)</td>
<td>31,356</td>
<td>31,356</td>
</tr>
<tr>
<td>141</td>
<td>060500E</td>
<td>MISSION SUPPORT (Missions)</td>
<td>65,646</td>
<td>65,646</td>
</tr>
<tr>
<td>142</td>
<td>060510D8Z</td>
<td>MISSION ENVIRONMENT TEST CAPABILITY (METC)</td>
<td>84,184</td>
<td>89,184</td>
</tr>
<tr>
<td>144</td>
<td>060514D8Z</td>
<td>GENERAL SUPPORT TO USD (INTELLIGENCE)</td>
<td>[−5,000]</td>
<td></td>
</tr>
<tr>
<td>145</td>
<td>060515D8Z</td>
<td>JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAIMDO)</td>
<td>52,565</td>
<td>52,565</td>
</tr>
<tr>
<td>146</td>
<td>060516D8Z</td>
<td>SYSTEMS ENGINEERING (Symbios)</td>
<td>38,872</td>
<td>38,872</td>
</tr>
<tr>
<td>147</td>
<td>060515D8Z</td>
<td>STUDIES AND ANALYSIS SUPPORT—OSD</td>
<td>3,514</td>
<td>3,514</td>
</tr>
<tr>
<td>148</td>
<td>060516D8Z</td>
<td>NUCLEAR MATTERS-PHYSICAL SECURITY</td>
<td>5,050</td>
<td>5,050</td>
</tr>
<tr>
<td>149</td>
<td>060517D8Z</td>
<td>SUPPORT TO NETWORKS AND INFORMATION INTEGRATION</td>
<td>11,350</td>
<td>11,350</td>
</tr>
<tr>
<td>150</td>
<td>060520D8Z</td>
<td>GENERAL SUPPORT TO USD (INTELLIGENCE)</td>
<td>1,891</td>
<td>1,891</td>
</tr>
<tr>
<td>151</td>
<td>060524D8Z</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</td>
<td>102,883</td>
<td>102,883</td>
</tr>
<tr>
<td>153</td>
<td>060576D8Z</td>
<td>SMALL BUSINESS INNOVATION RESEARCH (SBIR)</td>
<td>2,545</td>
<td>2,545</td>
</tr>
<tr>
<td>154</td>
<td>060579D8Z</td>
<td>DEFENSE TECHNOLOGY TRANSFER</td>
<td>[5,000]</td>
<td></td>
</tr>
<tr>
<td>155</td>
<td>060580E</td>
<td>DEFENSE INFORMATION CENTER (DITC)</td>
<td>56,853</td>
<td>56,853</td>
</tr>
<tr>
<td>156</td>
<td>060580E</td>
<td>DEFENSE INFORMATION CENTER (DITC)</td>
<td>24,914</td>
<td>24,914</td>
</tr>
<tr>
<td>157</td>
<td>060580E</td>
<td>DEFENSE INFORMATION CENTER (DITC)</td>
<td>20,179</td>
<td>25,179</td>
</tr>
<tr>
<td>158</td>
<td>060589E</td>
<td>MANAGEMENT HQ—DOD</td>
<td>13,841</td>
<td>13,841</td>
</tr>
<tr>
<td>159</td>
<td>060590E</td>
<td>MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC)</td>
<td>4,134</td>
<td>4,134</td>
</tr>
<tr>
<td>160</td>
<td>060590E</td>
<td>MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC)</td>
<td>5,768</td>
<td>5,768</td>
</tr>
<tr>
<td>161</td>
<td>060590E</td>
<td>MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC)</td>
<td>1,093</td>
<td>1,093</td>
</tr>
<tr>
<td>162</td>
<td>060590E</td>
<td>MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC)</td>
<td>6,458</td>
<td>6,458</td>
</tr>
<tr>
<td>163</td>
<td>060590E</td>
<td>MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC)</td>
<td>4,000</td>
<td>4,000</td>
</tr>
<tr>
<td>164</td>
<td>060590E</td>
<td>MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC)</td>
<td>2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>165</td>
<td>06061D8Z</td>
<td>DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI)</td>
<td>2,435</td>
<td>2,435</td>
</tr>
<tr>
<td>166</td>
<td>060620D8Z</td>
<td>INTELLIGENCE AND SECURITY OFFICE (ISOR)</td>
<td>2,217</td>
<td>2,217</td>
</tr>
<tr>
<td>167</td>
<td>060621D8Z</td>
<td>INTELLIGENCE AND SECURITY OFFICE (ISOR)</td>
<td>2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>168</td>
<td>060622D8Z</td>
<td>INTELLIGENCE AND SECURITY OFFICE (ISOR)</td>
<td>1,000</td>
<td>1,000</td>
</tr>
<tr>
<td>169</td>
<td>060623D8Z</td>
<td>INTELLIGENCE AND SECURITY OFFICE (ISOR)</td>
<td>652</td>
<td>652</td>
</tr>
<tr>
<td>170</td>
<td>060624D8Z</td>
<td>INTELLIGENCE AND SECURITY OFFICE (ISOR)</td>
<td>1,905</td>
<td>1,905</td>
</tr>
<tr>
<td>171</td>
<td>060625D8Z</td>
<td>INTELLIGENCE AND SECURITY OFFICE (ISOR)</td>
<td>21,363</td>
<td>21,363</td>
</tr>
<tr>
<td>172</td>
<td>060626D8Z</td>
<td>INTELLIGENCE AND SECURITY OFFICE (ISOR)</td>
<td>109,529</td>
<td>109,529</td>
</tr>
<tr>
<td>173</td>
<td>060627D8Z</td>
<td>INTELLIGENCE AND SECURITY OFFICE (ISOR)</td>
<td>42,940</td>
<td>42,940</td>
</tr>
<tr>
<td>174</td>
<td>060628D8Z</td>
<td>INTELLIGENCE AND SECURITY OFFICE (ISOR)</td>
<td>29,826</td>
<td>29,826</td>
</tr>
<tr>
<td>175</td>
<td>060629D8Z</td>
<td>INTELLIGENCE AND SECURITY OFFICE (ISOR)</td>
<td>5,104</td>
<td>5,104</td>
</tr>
<tr>
<td>176</td>
<td>060630D8Z</td>
<td>INTELLIGENCE AND SECURITY OFFICE (ISOR)</td>
<td>3,877,898</td>
<td>3,885,898</td>
</tr>
<tr>
<td>177</td>
<td>060631D8Z</td>
<td>INTELLIGENCE AND SECURITY OFFICE (ISOR)</td>
<td>3,885,898</td>
<td>3,885,898</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL MANAGEMENT SUPPORT</strong></td>
<td><strong>1,117,030</strong></td>
<td><strong>1,132,030</strong></td>
</tr>
</tbody>
</table>

**999999999**  
**CLASSIFIED PROGRAMS**  

**OPERATIONAL SYSTEM DEVELOPMENT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>180</td>
<td>060410E</td>
<td>ENTERPRISE SECURITY SYSTEM (ESS)</td>
<td>9,250</td>
<td>9,250</td>
</tr>
<tr>
<td>181</td>
<td>060512D7</td>
<td>REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANAGEMENT</td>
<td>1,855</td>
<td>1,855</td>
</tr>
<tr>
<td>182</td>
<td>060512D7</td>
<td>REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANAGEMENT</td>
<td>304</td>
<td>304</td>
</tr>
<tr>
<td>183</td>
<td>060512D7</td>
<td>REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANAGEMENT</td>
<td>10,376</td>
<td>10,376</td>
</tr>
<tr>
<td>184</td>
<td>060512D7</td>
<td>REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANAGEMENT</td>
<td>5,915</td>
<td>5,915</td>
</tr>
<tr>
<td>185</td>
<td>060512D7</td>
<td>REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANAGEMENT</td>
<td>5,869</td>
<td>5,869</td>
</tr>
</tbody>
</table>
## SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>195</td>
<td>060575BP</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT).</td>
<td>48,741</td>
<td>48,741</td>
</tr>
<tr>
<td>196</td>
<td>020801M</td>
<td>PLANNING AND DESTRUCTION AID SYSTEM (PDAS)</td>
<td>3,037</td>
<td>3,037</td>
</tr>
<tr>
<td>197</td>
<td>020801M</td>
<td>C4I INTEROPERABILITY</td>
<td>62,814</td>
<td>62,814</td>
</tr>
<tr>
<td>201</td>
<td>030801M</td>
<td>DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION</td>
<td>16,561</td>
<td>16,564</td>
</tr>
<tr>
<td>204</td>
<td>030101M</td>
<td>MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MECN)</td>
<td>11,759</td>
<td>12,579</td>
</tr>
<tr>
<td>205</td>
<td>030101M</td>
<td>KEY MANAGEMENT INFRASTRUCTURE (KMI)</td>
<td>31,747</td>
<td>31,772</td>
</tr>
<tr>
<td>209</td>
<td>030101M</td>
<td>INFORMATION SYSTEMS SECURITY PROGRAM</td>
<td>7,940</td>
<td>7,940</td>
</tr>
<tr>
<td>210</td>
<td>030101M</td>
<td>INFORMATION SYSTEMS SECURITY PROGRAM</td>
<td>229,252</td>
<td>229,254</td>
</tr>
<tr>
<td>211</td>
<td>030101M</td>
<td>GLOBAL COMMAND AND CONTROL SYSTEM</td>
<td>46,900</td>
<td>46,900</td>
</tr>
<tr>
<td>212</td>
<td>030101M</td>
<td>DEFENSE SPECTRUM ORGANIZATION</td>
<td>7,570</td>
<td>7,570</td>
</tr>
<tr>
<td>213</td>
<td>030101M</td>
<td>JOINT INFORMATION ENVIRONMENT (JIE)</td>
<td>7,947</td>
<td>7,947</td>
</tr>
<tr>
<td>215</td>
<td>030101M</td>
<td>FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY (FISI)</td>
<td>39,400</td>
<td>39,400</td>
</tr>
<tr>
<td>224</td>
<td>030101M</td>
<td>POLICY RAP PROGRAMS</td>
<td>6,762</td>
<td>6,782</td>
</tr>
<tr>
<td>225</td>
<td>030101M</td>
<td>STRINGENCY</td>
<td>16,780</td>
<td>16,780</td>
</tr>
<tr>
<td>227</td>
<td>030101M</td>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>6,288</td>
<td>6,288</td>
</tr>
<tr>
<td>229</td>
<td>030101M</td>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>2,980</td>
<td>2,970</td>
</tr>
<tr>
<td>231</td>
<td>030101M</td>
<td>PERSONNEL SECURITY AND CONTINUOUS EVALUATION</td>
<td>5,954</td>
<td>10,954</td>
</tr>
<tr>
<td>234</td>
<td>030101M</td>
<td>HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM</td>
<td>2,198</td>
<td>2,198</td>
</tr>
<tr>
<td>235</td>
<td>030101M</td>
<td>INTELLIGENCE MISSION DATA (IMD)</td>
<td>6,898</td>
<td>6,898</td>
</tr>
<tr>
<td>236</td>
<td>020801M</td>
<td>LOGISTICS SUPPORT ACTIVITIES</td>
<td>1,947</td>
<td>1,947</td>
</tr>
<tr>
<td>237</td>
<td>020801M</td>
<td>PACIFIC DISASTER CENTERS</td>
<td>1,770</td>
<td>1,770</td>
</tr>
<tr>
<td>244</td>
<td>020801M</td>
<td>DEFENSE PROPERTY ACCOUNTABILITY SYSTEM</td>
<td>1,905</td>
<td>1,905</td>
</tr>
<tr>
<td>246</td>
<td>1005201M</td>
<td>MQ-8 UAV</td>
<td>18,403</td>
<td>18,403</td>
</tr>
<tr>
<td>248</td>
<td>1105401M</td>
<td>AVIATION SYSTEMS</td>
<td>184,993</td>
<td>184,993</td>
</tr>
<tr>
<td>249</td>
<td>1105401M</td>
<td>INTELLIGENCE SYSTEMS DEVELOPMENT</td>
<td>10,625</td>
<td>10,625</td>
</tr>
<tr>
<td>250</td>
<td>1105401M</td>
<td>OPERATIONAL ENHANCEMENTS</td>
<td>16,681</td>
<td>16,681</td>
</tr>
<tr>
<td>251</td>
<td>1105401M</td>
<td>WARRIOR SYSTEMS</td>
<td>46,922</td>
<td>46,922</td>
</tr>
<tr>
<td>252</td>
<td>1105401M</td>
<td>SPECIAL PROGRAMS</td>
<td>2,470</td>
<td>2,470</td>
</tr>
<tr>
<td>253</td>
<td>1105401M</td>
<td>UNMANNED ISR</td>
<td>27,670</td>
<td>27,670</td>
</tr>
<tr>
<td>254</td>
<td>1105401M</td>
<td>SOF TACTICAL VEHICLES</td>
<td>3,121</td>
<td>3,121</td>
</tr>
<tr>
<td>255</td>
<td>1105401M</td>
<td>MARITIME SYSTEMS</td>
<td>42,471</td>
<td>42,471</td>
</tr>
<tr>
<td>256</td>
<td>1105401M</td>
<td>GLOBAL VIDEO SURVEILLANCE ACTIVITIES</td>
<td>4,780</td>
<td>4,780</td>
</tr>
<tr>
<td>257</td>
<td>1105401M</td>
<td>OPERATIONAL ENHANCEMENTS INTELLIGENCE</td>
<td>12,176</td>
<td>12,176</td>
</tr>
<tr>
<td>258</td>
<td>1105401M</td>
<td>TELEPORT PROGRAM</td>
<td>2,321</td>
<td>2,321</td>
</tr>
<tr>
<td>259</td>
<td>1105401M</td>
<td>TOTAL OPERATIONAL SYSTEM DEVELOPMENT</td>
<td>4,973,946</td>
<td>4,985,946</td>
</tr>
<tr>
<td>260</td>
<td>2105401M</td>
<td>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW</td>
<td>22,016,553</td>
<td>22,415,591</td>
</tr>
</tbody>
</table>

### OPERATIONAL TEST & EVAL, DEFENSE MANAGEMENT SUPPORT

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0605110M</td>
<td>OPERATIONAL TEST AND EVALUATION</td>
<td>85,685</td>
<td>85,685</td>
</tr>
<tr>
<td>2</td>
<td>0605110M</td>
<td>LIVE FIRE TEST &amp; EVALUATION</td>
<td>64,352</td>
<td>64,352</td>
</tr>
<tr>
<td>3</td>
<td>0605810M</td>
<td>OPERATIONAL TEST ACTIVITIES AND ANALYSES</td>
<td>70,932</td>
<td>81,892</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Increase for test and evaluation technologies</td>
<td>[10,900]</td>
<td>[10,900]</td>
</tr>
<tr>
<td>5</td>
<td>1105401M</td>
<td>TOTAL MANAGEMENT SUPPORT</td>
<td>221,009</td>
<td>231,909</td>
</tr>
<tr>
<td>6</td>
<td>1105401M</td>
<td>TOTAL OPERATIONAL TEST &amp; EVAL, DEFENSE</td>
<td>221,009</td>
<td>231,909</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOTAL RDT&amp;E</td>
<td>91,056,950</td>
<td>92,216,538</td>
</tr>
</tbody>
</table>

## SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS

### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0605110M</td>
<td>AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING</td>
<td>1,000</td>
<td>1,000</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>58</td>
<td>0603627A</td>
<td>SMOKE OBSCURANT AND TARGET DEFEATING SYS-ADV DEV ....</td>
<td>1,500</td>
<td>1,500</td>
</tr>
<tr>
<td>64</td>
<td>060371A</td>
<td>SOLDIER SUPPORT AND SURVIVABILITY</td>
<td>2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>76</td>
<td>0604117A</td>
<td>MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD)</td>
<td>23,000</td>
<td>23,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td>25,500</td>
<td>25,500</td>
</tr>
</tbody>
</table>

**SYSTEM DEVELOPMENT & DEMONSTRATION**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>88</td>
<td>060428A</td>
<td>TRACTOR CAGE</td>
<td>12,000</td>
<td>12,000</td>
</tr>
<tr>
<td>100</td>
<td>060471A</td>
<td>AIR DEFENSE COMMAND, CONTROL, AND INTELLIGENCE—ENI DEV</td>
<td>119,300</td>
<td>119,300</td>
</tr>
<tr>
<td>125</td>
<td>060502A</td>
<td>TRACTOR TIRE</td>
<td>66,760</td>
<td>66,760</td>
</tr>
<tr>
<td>128</td>
<td>060515A</td>
<td>COMMON INFRARED COUNTERMEASURES (CIRCM)</td>
<td>2,670</td>
<td>2,670</td>
</tr>
<tr>
<td>147</td>
<td>030302A</td>
<td>TROJAN—HIII</td>
<td>1,200</td>
<td>1,200</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION</td>
<td>236,863</td>
<td>236,863</td>
</tr>
</tbody>
</table>

**OPERATIONAL SYSTEMS DEVELOPMENT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>184</td>
<td>060712A</td>
<td>WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS</td>
<td>2,518</td>
<td>2,518</td>
</tr>
<tr>
<td>185</td>
<td>060713A</td>
<td>TRACTOR SMOKE</td>
<td>7,790</td>
<td>7,790</td>
</tr>
<tr>
<td>206</td>
<td>060705A</td>
<td>MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM</td>
<td>13,900</td>
<td>13,900</td>
</tr>
<tr>
<td>209</td>
<td>060715A</td>
<td>INTEGRATED BASE DEFENSE—OPERATIONAL SYSTEM DEV</td>
<td>19,000</td>
<td>19,000</td>
</tr>
<tr>
<td>236</td>
<td>03032NA</td>
<td>SECURITY AND INTELLIGENCE ACTIVITIES</td>
<td>14,000</td>
<td>14,000</td>
</tr>
<tr>
<td>231</td>
<td>060705A</td>
<td>REMOTER ENABLED INTELLIGENCE</td>
<td>2,214</td>
<td>2,214</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</td>
<td>59,741</td>
<td>59,741</td>
</tr>
</tbody>
</table>

**TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY**

325,104

**RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>060527N</td>
<td>RETRACT LARCH</td>
<td>19,000</td>
<td>19,000</td>
</tr>
<tr>
<td>42</td>
<td>060531N</td>
<td>JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT</td>
<td>13,900</td>
<td>13,900</td>
</tr>
<tr>
<td>74</td>
<td>060795N</td>
<td>LAND ATTACK TECHNOLOGY</td>
<td>1,400</td>
<td>1,400</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td>33,300</td>
<td>33,300</td>
</tr>
</tbody>
</table>

**SYSTEM DEVELOPMENT & DEMONSTRATION**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>149</td>
<td>060744N</td>
<td>SHIP SELF DEFENSE (DETECT &amp; CONTROL)</td>
<td>1,500</td>
<td>1,500</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION</td>
<td>1,500</td>
<td>1,500</td>
</tr>
</tbody>
</table>

**TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY**

167,812

**RESEARCH, DEVELOPMENT, TEST & EVAL, AF**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>106</td>
<td>020519P</td>
<td>MQ-9 UAV</td>
<td>4,500</td>
<td>4,500</td>
</tr>
<tr>
<td>197</td>
<td>020573P</td>
<td>JOINT COUNTER RCIED ELECTRONIC WARFARE</td>
<td>4,000</td>
<td>4,000</td>
</tr>
<tr>
<td>208</td>
<td>020713P</td>
<td>A-10 SQUADRONS</td>
<td>1,000</td>
<td>1,000</td>
</tr>
<tr>
<td>207</td>
<td>020599P</td>
<td>BATTLEFIELD AIR COMM NODE (BACN)</td>
<td>42,149</td>
<td>42,149</td>
</tr>
<tr>
<td>228</td>
<td>020828P</td>
<td>INTEL DATA APPLICATIONS</td>
<td>1,300</td>
<td>1,300</td>
</tr>
<tr>
<td>254</td>
<td>020511P</td>
<td>WEATHER SERVICE</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>268</td>
<td>020566P</td>
<td>ORION U-2</td>
<td>32,150</td>
<td>32,150</td>
</tr>
<tr>
<td>272</td>
<td>020532P</td>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>29,500</td>
<td>29,500</td>
</tr>
<tr>
<td>310</td>
<td>020247P</td>
<td>AF TWCAP</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</td>
<td>300,776</td>
<td>300,776</td>
</tr>
</tbody>
</table>

**TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF**

314,271
1095

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item Description</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>0601231DZ</td>
<td>COMBATING TERRORISM TECHNOLOGY SUPPORT</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td>28</td>
<td>0601314BR</td>
<td>COUNTER IMPROVED-THREAT SIMULATION</td>
<td>13,648</td>
<td>13,648</td>
</tr>
<tr>
<td>94</td>
<td>0601314BR</td>
<td>COUNTER IMPROVED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING</td>
<td>242,668</td>
<td>242,668</td>
</tr>
</tbody>
</table>

SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item Description</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>1160304BB</td>
<td>OPERATIONAL ENHANCEMENTS</td>
<td>3,632</td>
<td>3,632</td>
</tr>
<tr>
<td>251</td>
<td>1160304BB</td>
<td>WARRIOR SYSTEMS</td>
<td>11,040</td>
<td>11,040</td>
</tr>
<tr>
<td>253</td>
<td>1160304BB</td>
<td>UNMANNED ISR</td>
<td>11,700</td>
<td>11,700</td>
</tr>
<tr>
<td>254</td>
<td>1160304BB</td>
<td>SOF TACTICAL VEHICLES</td>
<td>725</td>
<td>725</td>
</tr>
</tbody>
</table>

SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT

TOTAL RDT&E

TITLE XLIII—OPERATION AND MAINTENANCE

SEC. 4301. OPERATION AND MAINTENANCE.

<table>
<thead>
<tr>
<th>Line</th>
<th>Item Description</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>050</td>
<td>MANEUVER UNITS</td>
<td>2,076,360</td>
<td>2,076,360</td>
</tr>
<tr>
<td>050</td>
<td>MODULAR SUPPORT BRIGADES</td>
<td>107,946</td>
<td>107,946</td>
</tr>
<tr>
<td>050</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>7,22,485</td>
<td>7,22,485</td>
</tr>
<tr>
<td>050</td>
<td>THEATER LEVEL ASSETS</td>
<td>1,169,508</td>
<td>1,169,508</td>
</tr>
<tr>
<td>050</td>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>1,180,460</td>
<td>1,180,460</td>
</tr>
<tr>
<td>050</td>
<td>AVIATION ASSETS</td>
<td>1,167,500</td>
<td>1,167,500</td>
</tr>
<tr>
<td>050</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>4,285,211</td>
<td>4,285,211</td>
</tr>
<tr>
<td>050</td>
<td>LAND FORCES Depot MAINTENANCE</td>
<td>1,536,851</td>
<td>1,536,851</td>
</tr>
<tr>
<td>050</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>8,274,299</td>
<td>8,274,299</td>
</tr>
<tr>
<td>110</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>3,516,859</td>
<td>3,516,859</td>
</tr>
<tr>
<td>120</td>
<td>MANAGEMENT AND OPERATIONAL HEADQUARTERS</td>
<td>438,733</td>
<td>438,733</td>
</tr>
<tr>
<td>180</td>
<td>US AFRICA COMMAND</td>
<td>231,518</td>
<td>231,518</td>
</tr>
<tr>
<td>200</td>
<td>US SOUTHERN COMMAND</td>
<td>150,268</td>
<td>150,268</td>
</tr>
<tr>
<td>200</td>
<td>SOUTHCOM ABN GFE Sensor (GEOINT/SIGINT)</td>
<td>4,200</td>
<td>4,200</td>
</tr>
<tr>
<td>200</td>
<td>SOUTHCOM Cyber HUMINT (CME/OPS)</td>
<td>1,000</td>
<td>1,000</td>
</tr>
<tr>
<td>200</td>
<td>SOUTHCOM OSINT/PAI (CME/TOOLS)</td>
<td>1,000</td>
<td>1,000</td>
</tr>
<tr>
<td>200</td>
<td>SOUTHCOM Overland Airborne ISR Flight Hours</td>
<td>7,200</td>
<td>7,200</td>
</tr>
<tr>
<td>210</td>
<td>US FORCES KOREA</td>
<td>59,625</td>
<td>59,625</td>
</tr>
</tbody>
</table>

SUBTOTAL OPERATING FORCES

TOTAL RDT&E

MOBILIZATION

<table>
<thead>
<tr>
<th>Line</th>
<th>Item Description</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>STRATEGIC MOBILITY</td>
<td>370,941</td>
<td>370,941</td>
</tr>
<tr>
<td>250</td>
<td>ARMY PREPOSITIONED STOCKS</td>
<td>574,360</td>
<td>574,360</td>
</tr>
<tr>
<td>250</td>
<td>INDUSTRIAL PREPAREDNESS</td>
<td>7,678</td>
<td>7,678</td>
</tr>
</tbody>
</table>

SUBTOTAL MOBILIZATION

TRAINING AND RECRUITING

<table>
<thead>
<tr>
<th>Line</th>
<th>Item Description</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>OFFICER ACQUISITION</td>
<td>135,832</td>
<td>135,832</td>
</tr>
<tr>
<td>250</td>
<td>RECRUIT TRAINING</td>
<td>34,929</td>
<td>34,929</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
## SEC. 4301. OPERATION AND MAINTENANCE

### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>270</td>
<td>ONE STATION UNIT TRAINING</td>
<td>69,599</td>
<td>69,599</td>
</tr>
<tr>
<td>280</td>
<td>SENIOR RESERVE OFFICERS TRAINING CORPS</td>
<td>518,998</td>
<td>518,998</td>
</tr>
<tr>
<td>290</td>
<td>SPECIALIZED SKILL TRAINING</td>
<td>1,020,073</td>
<td>1,020,073</td>
</tr>
<tr>
<td>300</td>
<td>FLIGHT TRAINING</td>
<td>1,082,190</td>
<td>1,082,190</td>
</tr>
<tr>
<td>310</td>
<td>PROFESSIONAL DEVELOPMENT EDUCATION</td>
<td>220,399</td>
<td>220,399</td>
</tr>
<tr>
<td>320</td>
<td>TRAINING SUPPORT</td>
<td>611,482</td>
<td>611,482</td>
</tr>
<tr>
<td>330</td>
<td>RECRUITING AND ADVERTISING</td>
<td>698,962</td>
<td>498,962</td>
</tr>
<tr>
<td>340</td>
<td>EXAMINING</td>
<td>162,049</td>
<td>162,049</td>
</tr>
<tr>
<td>350</td>
<td>OFF-DUTY AND VOLUNTARY EDUCATION</td>
<td>215,622</td>
<td>215,622</td>
</tr>
<tr>
<td>360</td>
<td>CIVILIAN EDUCATION AND Training</td>
<td>176,914</td>
<td>176,914</td>
</tr>
<tr>
<td>370</td>
<td>JUNIOR RESERVE OFFICER TRAINING CORPS</td>
<td>174,430</td>
<td>174,430</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL TRAINING AND RECRUITING</strong></td>
<td><strong>5,141,369</strong></td>
<td><strong>4,941,369</strong></td>
</tr>
</tbody>
</table>

### CLASSIFIED PROGRAMS

<table>
<thead>
<tr>
<th>ADMIN &amp; SRVWIDE ACTIVITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>290</td>
</tr>
<tr>
<td>400</td>
</tr>
<tr>
<td>410</td>
</tr>
<tr>
<td>420</td>
</tr>
<tr>
<td>430</td>
</tr>
<tr>
<td>440</td>
</tr>
<tr>
<td>450</td>
</tr>
<tr>
<td>460</td>
</tr>
<tr>
<td>470</td>
</tr>
<tr>
<td>480</td>
</tr>
<tr>
<td>490</td>
</tr>
<tr>
<td>500</td>
</tr>
<tr>
<td>510</td>
</tr>
<tr>
<td>520</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

### UNDISTRIBUTED

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UNDISTRIBUTED</td>
<td>0</td>
<td>–200,000</td>
</tr>
<tr>
<td></td>
<td>Army misrepresentation of civilian pay budget request</td>
<td>0</td>
<td>–200,000</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL UNDISTRIBUTED</strong></td>
<td><strong>0</strong></td>
<td><strong>–200,000</strong></td>
</tr>
</tbody>
</table>

### TOTAL OPERATION & MAINTENANCE, ARMY

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>530</td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, ARMY</strong></td>
<td><strong>2,916,909</strong></td>
<td><strong>2,916,909</strong></td>
</tr>
</tbody>
</table>

### OPERATION & MAINTENANCE, ARMY RES OPERATING FORCES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>MODULAR SUPPORT BRIGADES</td>
<td>13,867</td>
<td>13,867</td>
</tr>
<tr>
<td>020</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>356,438</td>
<td>356,438</td>
</tr>
<tr>
<td>030</td>
<td>THEATER LEVEL ASSETS</td>
<td>113,225</td>
<td>113,225</td>
</tr>
<tr>
<td>040</td>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>551,141</td>
<td>551,141</td>
</tr>
<tr>
<td>050</td>
<td>AVIATION SUPPORT</td>
<td>18,218</td>
<td>18,218</td>
</tr>
<tr>
<td>060</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>409,531</td>
<td>409,531</td>
</tr>
<tr>
<td>070</td>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>101,411</td>
<td>101,411</td>
</tr>
<tr>
<td>080</td>
<td>LAND FORCES DEPOT MAINTENANCE SUPPORT</td>
<td>60,114</td>
<td>60,114</td>
</tr>
<tr>
<td>090</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>595,728</td>
<td>595,728</td>
</tr>
<tr>
<td>100</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>304,658</td>
<td>304,658</td>
</tr>
<tr>
<td>110</td>
<td>MANAGEMENT AND OPERATIONAL HEADQUARTERS</td>
<td>753,815</td>
<td>753,815</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>2,797,361</strong></td>
<td><strong>2,797,361</strong></td>
</tr>
</tbody>
</table>

### ADMIN & SRVWDD ACTIVITIES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>11,832</td>
<td>11,832</td>
</tr>
<tr>
<td>130</td>
<td>ADMINISTRATION</td>
<td>18,218</td>
<td>18,218</td>
</tr>
<tr>
<td>140</td>
<td>SERVICEWIDE COMMUNICATIONS</td>
<td>25,689</td>
<td>25,689</td>
</tr>
<tr>
<td>150</td>
<td>MANPOWER MANAGEMENT</td>
<td>6,248</td>
<td>6,248</td>
</tr>
<tr>
<td>160</td>
<td>RECRUITING AND ADVERTISING</td>
<td>58,181</td>
<td>58,181</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMIN &amp; SRVWDD ACTIVITIES</strong></td>
<td><strong>119,548</strong></td>
<td><strong>119,548</strong></td>
</tr>
</tbody>
</table>

### TOTAL OPERATION & MAINTENANCE, ARMY RES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>170</td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES</strong></td>
<td><strong>2,916,909</strong></td>
<td><strong>2,916,909</strong></td>
</tr>
</tbody>
</table>

### OPERATION & MAINTENANCE, ARNG OPERATING FORCES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>MODULAR SUPPORT BRIGADES</td>
<td>810,269</td>
<td>810,269</td>
</tr>
<tr>
<td>020</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>193,402</td>
<td>193,402</td>
</tr>
<tr>
<td>030</td>
<td>MODULAR SUPPORT BRIGADES</td>
<td>733,815</td>
<td>733,815</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>040</td>
<td>THEATER LEVEL ASSETS</td>
<td>84,124</td>
<td>84,124</td>
</tr>
<tr>
<td>050</td>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>31,981</td>
<td>31,981</td>
</tr>
<tr>
<td>060</td>
<td>AVIATION ASSETS</td>
<td>973,874</td>
<td>973,874</td>
</tr>
<tr>
<td>070</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>784,086</td>
<td>784,086</td>
</tr>
<tr>
<td>080</td>
<td>LAND FORCES SYSTEMS READINESS</td>
<td>21,353</td>
<td>21,353</td>
</tr>
<tr>
<td>090</td>
<td>LAND FORCES DEPOT MAINTENANCE</td>
<td>221,633</td>
<td>221,633</td>
</tr>
<tr>
<td>110</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>919,947</td>
<td>919,947</td>
</tr>
<tr>
<td>120</td>
<td>MANAGEMENT AND OPERATIONAL HEADQUARTERS</td>
<td>1,010,524</td>
<td>1,010,524</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>6,964,850</strong></td>
<td><strong>6,964,850</strong></td>
</tr>
</tbody>
</table>

**ADMIN & SRVWD ACTIVITIES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>130</td>
<td>SVCWIDE TRANSPORTATION</td>
<td>10,017</td>
<td>10,017</td>
</tr>
<tr>
<td>140</td>
<td>ADMINISTRATION</td>
<td>72,746</td>
<td>72,746</td>
</tr>
<tr>
<td>150</td>
<td>SVCWIDE COMMUNICATIONS</td>
<td>83,165</td>
<td>83,165</td>
</tr>
<tr>
<td>160</td>
<td>MANPOWER MANAGEMENT</td>
<td>10,678</td>
<td>10,678</td>
</tr>
<tr>
<td>170</td>
<td>OTHER PERSONNEL SUPPORT</td>
<td>254,753</td>
<td>254,753</td>
</tr>
<tr>
<td>180</td>
<td>REAL ESTATE MANAGEMENT</td>
<td>3,146</td>
<td>3,146</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</strong></td>
<td><strong>434,445</strong></td>
<td><strong>434,445</strong></td>
</tr>
</tbody>
</table>

**TOTAL OPERATION & MAINTENANCE, ARNG**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>210</td>
<td>MISSION AND OTHER FLIGHT OPERATIONS</td>
<td>5,372,399</td>
<td>5,372,399</td>
</tr>
<tr>
<td>220</td>
<td>FLEET AIR TRAINING</td>
<td>2,023,331</td>
<td>2,023,331</td>
</tr>
<tr>
<td>230</td>
<td>AVIATION TECHNICAL DATA &amp; ENGINEERING SERVICES</td>
<td>36,225</td>
<td>36,225</td>
</tr>
<tr>
<td>240</td>
<td>AIR OPERATIONS AND SAFETY SUPPORT</td>
<td>136,984</td>
<td>136,984</td>
</tr>
<tr>
<td>250</td>
<td>AIR SYSTEMS SUPPORT</td>
<td>682,379</td>
<td>682,379</td>
</tr>
<tr>
<td>260</td>
<td>AIRCRAFT DEPOT MAINTENANCE</td>
<td>1,253,756</td>
<td>1,253,756</td>
</tr>
<tr>
<td>270</td>
<td>AIRCRAFT DEPOT OPERATIONS SUPPORT</td>
<td>66,649</td>
<td>66,649</td>
</tr>
<tr>
<td>280</td>
<td>AVIATION LOGISTICS</td>
<td>989,368</td>
<td>989,368</td>
</tr>
<tr>
<td>290</td>
<td>MISSON AND OTHER SHIP OPERATIONS</td>
<td>4,428,566</td>
<td>4,428,566</td>
</tr>
<tr>
<td>300</td>
<td>SHIP OPERATIONS SUPPORT &amp; TRAINING</td>
<td>997,663</td>
<td>997,663</td>
</tr>
<tr>
<td>310</td>
<td>SHIP DEPOT MAINTENANCE</td>
<td>8,751,526</td>
<td>8,751,526</td>
</tr>
<tr>
<td>320</td>
<td>SHIP DEPOT OPERATIONS SUPPORT</td>
<td>2,168,976</td>
<td>2,168,976</td>
</tr>
<tr>
<td>330</td>
<td>COMBAT COMMUNICATIONS AND ELECTRONIC WAVE</td>
<td>1,349,593</td>
<td>1,351,293</td>
</tr>
<tr>
<td>340</td>
<td>C2 SENSOR INTEGRATION</td>
<td>[1,706]</td>
<td>[1,706]</td>
</tr>
<tr>
<td>350</td>
<td>SPACE SYSTEMS AND SURVEILLANCE</td>
<td>215,255</td>
<td>215,255</td>
</tr>
<tr>
<td>360</td>
<td>WARFARE TACTICS</td>
<td>652,446</td>
<td>652,446</td>
</tr>
<tr>
<td>370</td>
<td>OPERATIONAL METEOROLOGY AND OCEANOGRAPHY</td>
<td>372,046</td>
<td>372,046</td>
</tr>
<tr>
<td>380</td>
<td>COMBAT SUPPORT FORCES</td>
<td>1,452,075</td>
<td>1,452,075</td>
</tr>
<tr>
<td>390</td>
<td>EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT</td>
<td>153,729</td>
<td>153,729</td>
</tr>
<tr>
<td>400</td>
<td>COMBATANT COMMANDERS CORE OPERATIONS</td>
<td>63,629</td>
<td>63,629</td>
</tr>
<tr>
<td>410</td>
<td>COMBATANT COMMANDERS DIRECT MISSION SUPPORT</td>
<td>89,339</td>
<td>89,339</td>
</tr>
<tr>
<td>420</td>
<td>MILITARY INFORMATION SUPPORT OPERATIONS</td>
<td>8,475</td>
<td>8,475</td>
</tr>
<tr>
<td>430</td>
<td>CYBERSPACE ACTIVITIES</td>
<td>424,088</td>
<td>424,088</td>
</tr>
<tr>
<td>440</td>
<td>WEAPONS MANUFACTURING</td>
<td>7,399,295</td>
<td>7,399,295</td>
</tr>
<tr>
<td>450</td>
<td>OTHER WEAPON SYSTEMS SUPPORT</td>
<td>372,046</td>
<td>372,046</td>
</tr>
<tr>
<td>460</td>
<td>ENTERPRISE INFORMATION</td>
<td>921,936</td>
<td>921,936</td>
</tr>
<tr>
<td>470</td>
<td>General reduction</td>
<td>[–45,000]</td>
<td>[–45,000]</td>
</tr>
<tr>
<td>480</td>
<td>SUSTAINMENT, RESTORATION AND MODERNIZATION</td>
<td>2,040,389</td>
<td>2,040,389</td>
</tr>
<tr>
<td>490</td>
<td>FSRM to 100% max executable</td>
<td>[406,000]</td>
<td>[406,000]</td>
</tr>
<tr>
<td>500</td>
<td>BASE OPERATING SUPPORT</td>
<td>4,414,753</td>
<td>4,414,753</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>41,225,992</strong></td>
<td><strong>42,088,692</strong></td>
</tr>
</tbody>
</table>

**MOBILIZATION**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>510</td>
<td>SHIP PREPOSITIONING AND SURGE</td>
<td>549,142</td>
<td>549,142</td>
</tr>
<tr>
<td>520</td>
<td>READY RESERVE FORCE</td>
<td>310,905</td>
<td>310,905</td>
</tr>
<tr>
<td>530</td>
<td>SHIP ACTIVATIONS/INACTIVATIONS</td>
<td>161,150</td>
<td>161,150</td>
</tr>
<tr>
<td>540</td>
<td>EXPEDITIONARY HEALTH SERVICES SYSTEMS</td>
<td>120,358</td>
<td>120,358</td>
</tr>
<tr>
<td>550</td>
<td>COAST GUARD SUPPORT</td>
<td>24,097</td>
<td>24,097</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL MOBILIZATION</strong></td>
<td><strong>1,165,532</strong></td>
<td><strong>1,165,532</strong></td>
</tr>
</tbody>
</table>

**TRAINING AND RECRUITING**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>560</td>
<td>OFFICER ACQUISITION</td>
<td>145,481</td>
<td>145,481</td>
</tr>
<tr>
<td>570</td>
<td>RECRUIT TRAINING</td>
<td>9,637</td>
<td>9,637</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>BASE OPERATING SUPPORT</td>
<td>2,151,390</td>
<td>2,151,390</td>
</tr>
<tr>
<td>110</td>
<td>SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>832,636</td>
<td>832,636</td>
</tr>
<tr>
<td>100</td>
<td>CYBERSPACE ACTIVITIES</td>
<td>183,546</td>
<td>183,546</td>
</tr>
<tr>
<td>090</td>
<td>MARITIME PREPOSITIONING</td>
<td>98,136</td>
<td>98,136</td>
</tr>
<tr>
<td>080</td>
<td>DEPOT MAINTENANCE</td>
<td>314,182</td>
<td>314,182</td>
</tr>
<tr>
<td>070</td>
<td>FIELD LOGISTICS</td>
<td>1,094,187</td>
<td>1,094,187</td>
</tr>
<tr>
<td>060</td>
<td>OPERATIONAL FORCES</td>
<td>873,320</td>
<td>873,320</td>
</tr>
</tbody>
</table>

**SUBTOTAL TRAINING AND RECRUITING** | 1,995,288 | 1,995,288 |

**CLASSIFIED PROGRAMS** | 574,994 | 574,994 |

**ADMIN & SRVWD ACTIVITIES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>540</td>
<td>ADMINISTRATION</td>
<td>1,089,964</td>
<td>1,089,964</td>
</tr>
<tr>
<td>530</td>
<td>CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT</td>
<td>164,074</td>
<td>164,074</td>
</tr>
<tr>
<td>520</td>
<td>MILITARY MANPOWER AND PERSONNEL MANAGEMENT</td>
<td>418,350</td>
<td>418,350</td>
</tr>
<tr>
<td>510</td>
<td>PLANNING, ENGINEERING, AND PROGRAM SUPPORT</td>
<td>333,556</td>
<td>333,556</td>
</tr>
<tr>
<td>610</td>
<td>ACQUISITION, LOGISTICS, AND OVERSIGHT</td>
<td>663,690</td>
<td>663,690</td>
</tr>
<tr>
<td>600</td>
<td>INVESTIGATIVE AND SECURITY SERVICES</td>
<td>705,087</td>
<td>705,087</td>
</tr>
</tbody>
</table>

**SUBTOTAL ADMIN & SRVWD ACTIVITIES** | 4,116,821 | 4,116,821 |

**TOTAL OPERATION & MAINTENANCE, NAVY** | 49,003,632 | 49,366,332 |

**OPERATION & MAINTENANCE, MARINE CORPS**

**OPERATING FORCES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>OPERATIONAL FORCES</td>
<td>873,320</td>
<td>873,320</td>
</tr>
<tr>
<td>020</td>
<td>FIELD LOGISTICS</td>
<td>1,094,187</td>
<td>1,094,187</td>
</tr>
<tr>
<td>030</td>
<td>DEPOT MAINTENANCE</td>
<td>314,182</td>
<td>314,182</td>
</tr>
<tr>
<td>040</td>
<td>MARITIME PREPOSITIONING</td>
<td>98,136</td>
<td>98,136</td>
</tr>
<tr>
<td>050</td>
<td>CYBERSPACE ACTIVITIES</td>
<td>183,546</td>
<td>183,546</td>
</tr>
<tr>
<td>065</td>
<td>SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>832,636</td>
<td>832,636</td>
</tr>
<tr>
<td>070</td>
<td>BASE OPERATING SUPPORT</td>
<td>2,151,390</td>
<td>2,151,390</td>
</tr>
</tbody>
</table>

**SUBTOTAL OPERATING FORCES** | 5,547,397 | 5,547,397 |

**TRAINING AND RECRUITING**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>080</td>
<td>RECRUIT TRAINING</td>
<td>16,453</td>
<td>16,453</td>
</tr>
<tr>
<td>090</td>
<td>OFFICER ACQUISITION</td>
<td>1,144</td>
<td>1,144</td>
</tr>
<tr>
<td>100</td>
<td>SPECIALIZED SKILL TRAINING</td>
<td>106,360</td>
<td>106,360</td>
</tr>
<tr>
<td>110</td>
<td>PROFESSIONAL DEVELOPMENT EDUCATION</td>
<td>46,096</td>
<td>46,096</td>
</tr>
<tr>
<td>120</td>
<td>TRAINING SUPPORT</td>
<td>389,731</td>
<td>389,731</td>
</tr>
<tr>
<td>130</td>
<td>RECRUITING AND ADVERTISING</td>
<td>201,662</td>
<td>201,662</td>
</tr>
<tr>
<td>140</td>
<td>OFF-DUTY AND VOLUNTARY EDUCATION</td>
<td>32,461</td>
<td>32,461</td>
</tr>
<tr>
<td>150</td>
<td>JUNIOR ROTC</td>
<td>32,461</td>
<td>32,461</td>
</tr>
</tbody>
</table>

**SUBTOTAL TRAINING AND RECRUITING** | 818,144 | 818,144 |

**CLASSIFIED PROGRAMS** | 50,839 | 50,839 |

**ADMIN & SRVWD ACTIVITIES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>160</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>39,735</td>
<td>39,735</td>
</tr>
<tr>
<td>170</td>
<td>ADMINISTRATION</td>
<td>386,375</td>
<td>386,375</td>
</tr>
</tbody>
</table>

**SUBTOTAL ADMIN & SRVWD ACTIVITIES** | 466,969 | 466,969 |

**TOTAL OPERATION & MAINTENANCE, MARINE CORPS** | 6,832,510 | 6,832,510 |

**OPERATION & MAINTENANCE, NAVY RES**

**OPERATING FORCES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>MISSION AND OTHER FLIGHT OPERATIONS</td>
<td>569,584</td>
<td>569,584</td>
</tr>
<tr>
<td>020</td>
<td>INTERMEDIATE MAINTENANCE</td>
<td>6,902</td>
<td>6,902</td>
</tr>
<tr>
<td>030</td>
<td>AIRCRAFT DEPOT MAINTENANCE</td>
<td>109,776</td>
<td>109,776</td>
</tr>
<tr>
<td>040</td>
<td>AIRCRAFT DEPOT OPERATIONS SUPPORT</td>
<td>538</td>
<td>538</td>
</tr>
<tr>
<td>050</td>
<td>AVIATION LOGISTICS</td>
<td>18,888</td>
<td>18,888</td>
</tr>
<tr>
<td>060</td>
<td>SHIP OPERATIONS SUPPORT &amp; TRAINING</td>
<td>574</td>
<td>574</td>
</tr>
<tr>
<td>070</td>
<td>COMBAT COMMUNICATIONS</td>
<td>17,561</td>
<td>17,561</td>
</tr>
<tr>
<td>080</td>
<td>COMBAT SUPPORT FORCES</td>
<td>121,070</td>
<td>121,070</td>
</tr>
<tr>
<td>090</td>
<td>CYBERSPACE ACTIVITIES</td>
<td>337</td>
<td>337</td>
</tr>
<tr>
<td>100</td>
<td>ENTERPRISE INFORMATION</td>
<td>33,356</td>
<td>33,356</td>
</tr>
<tr>
<td>120</td>
<td>BASE OPERATING SUPPORT</td>
<td>1,094,187</td>
<td>1,094,187</td>
</tr>
</tbody>
</table>

**SUBTOTAL OPERATING FORCES** | 1,009,112 | 1,009,112 |
### SEC. 4301. OPERATION AND MAINTENANCE

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>130</td>
<td>ADMINISTRATION</td>
<td>1,868</td>
<td>1,868</td>
</tr>
<tr>
<td>140</td>
<td>MILITARY MANPOWER AND PERSONNEL MANAGEMENT</td>
<td>12,849</td>
<td>12,849</td>
</tr>
<tr>
<td>160</td>
<td>ACQUISITION AND PROGRAM MANAGEMENT</td>
<td>3,177</td>
<td>3,177</td>
</tr>
<tr>
<td><strong>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</strong></td>
<td><strong>17,894</strong></td>
<td><strong>17,894</strong></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES</strong></td>
<td><strong>1,027,006</strong></td>
<td><strong>1,027,006</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### OPERATION & MAINTENANCE, MC RESERVE

<table>
<thead>
<tr>
<th>OPERATING FORCES</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>OPERATING FORCES</td>
<td>99,173</td>
</tr>
<tr>
<td>020</td>
<td>DEPOT MAINTENANCE</td>
<td>19,430</td>
</tr>
<tr>
<td>030</td>
<td>SUSTAINMENT, RESTORATION AND MODERNIZATION</td>
<td>39,962</td>
</tr>
<tr>
<td>040</td>
<td>BASE OPERATING SUPPORT</td>
<td>101,829</td>
</tr>
<tr>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>260,394</strong></td>
<td><strong>260,394</strong></td>
</tr>
</tbody>
</table>

#### ADMIN & SRVWD ACTIVITIES

| 050 | ADMINISTRATION | 11,176 | 11,176 |
| **SUBTOTAL ADMIN & SRVWD ACTIVITIES** | **11,176** | **11,176** |

#### TOTAL OPERATION & MAINTENANCE, MC RESERVE

**271,570**

#### OPERATION & MAINTENANCE, AIR FORCE

<table>
<thead>
<tr>
<th>CLASSIFIED PROGRAMS</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>PRIMARY COMBAT FORCES</td>
<td>738,178</td>
</tr>
<tr>
<td>ADDITIONAL DEMO</td>
<td><strong>25,000</strong></td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>COMBAT ENHANCEMENT FORCES</td>
<td>1,509,027</td>
</tr>
<tr>
<td>030</td>
<td>AIR OPERATIONS TRAINING (OAT, MAINTAIN SKILLS)</td>
<td>1,323,320</td>
</tr>
<tr>
<td>040</td>
<td>DEPOT PURCHASE EQUIPMENT MAINTENANCE</td>
<td>3,511,820</td>
</tr>
<tr>
<td>050</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>2,892,705</td>
</tr>
<tr>
<td>060</td>
<td>CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</td>
<td>7,613,084</td>
</tr>
<tr>
<td>INCREASE FOR JSTARS buy-back</td>
<td><strong>95,900</strong></td>
<td></td>
</tr>
<tr>
<td>WSS to 100% executable</td>
<td><strong>550,000</strong></td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>FLYING HOUR PROGRAM</td>
<td>4,345,208</td>
</tr>
<tr>
<td>INCREASE FOR JSTARS buy-back</td>
<td><strong>50,000</strong></td>
<td></td>
</tr>
<tr>
<td>080</td>
<td>BASE SUPPORT</td>
<td>3,989,215</td>
</tr>
<tr>
<td>090</td>
<td>GLOBAL EARLY WARNING</td>
<td>928,023</td>
</tr>
<tr>
<td>100</td>
<td>OTHER COMBAT OPS SPT PROGRAMS</td>
<td>1,080,956</td>
</tr>
<tr>
<td>110</td>
<td>CYBERSPACE ACTIVITIES</td>
<td>879,032</td>
</tr>
<tr>
<td>120</td>
<td>LAUNCH FACILITIES</td>
<td>183,777</td>
</tr>
<tr>
<td>130</td>
<td>SPACE CONTROL SYSTEMS</td>
<td>401,072</td>
</tr>
<tr>
<td>140</td>
<td>US NORTHCOM/ENORD</td>
<td>187,275</td>
</tr>
<tr>
<td>150</td>
<td>US STRATCOM</td>
<td>529,902</td>
</tr>
<tr>
<td>160</td>
<td>US CYBERCOM</td>
<td>329,474</td>
</tr>
<tr>
<td>170</td>
<td>US CENTCOM</td>
<td>166,024</td>
</tr>
<tr>
<td>180</td>
<td>US SOCOM</td>
<td>723</td>
</tr>
<tr>
<td>190</td>
<td>US TRANSCOM</td>
<td>535</td>
</tr>
<tr>
<td>918</td>
<td>UNDISTRIBUTED</td>
<td>0</td>
</tr>
<tr>
<td>PROCUREMENT of 7 DABS for PACOM</td>
<td><strong>136,000</strong></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>33,797,280</strong></td>
<td><strong>34,699,980</strong></td>
</tr>
</tbody>
</table>

#### MOBILIZATION

| 230 | AIRLIFT OPERATIONS | 1,007,695 | 1,007,695 |
| **SUBTOTAL MOBILIZATION** | **1,452,112** | **1,452,112** |

#### TRAINING AND RECRUITING

| 280 | OFFICER ACQUISITION | 133,187 | 133,187 |
| 290 | RECRUIT TRAINING | 25,041 | 25,041 |
| 360 | RESERVE OFFICERS TRAINING CORPS (ROTC) | 117,238 | 117,238 |
| 370 | SPECIALIZED SKILL TRAINING | 401,996 | 401,996 |
| 380 | FLIGHT TRAINING | 427,064 | 427,064 |
| 390 | PROFESSIONAL DEVELOPMENT EDUCATION | 276,423 | 276,423 |
| 400 | TRAINING SUPPORT | 95,948 | 95,948 |
| 410 | RECRUITING AND ADVERTISING | 154,530 | 154,530 |
| 411 | EXAMINING | 4,132 | 4,132 |

† HR 5515 PAP
## SEC. 4301. OPERATION AND MAINTENANCE

### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>460</td>
<td>OFF-DUTY AND VOLUNTARY EDUCATION</td>
<td>233,150</td>
<td>233,150</td>
</tr>
<tr>
<td>410</td>
<td>CIVILIAN EDUCATION AND TRAINING</td>
<td>209,497</td>
<td>209,497</td>
</tr>
<tr>
<td>420</td>
<td>JUNIOR ROTC</td>
<td>59,908</td>
<td>59,908</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL TRAINING AND RECRUITING</strong></td>
<td><strong>2,178,214</strong></td>
<td><strong>2,178,214</strong></td>
</tr>
<tr>
<td>430</td>
<td>LOGISTICS OPERATIONS</td>
<td>681,788</td>
<td>681,788</td>
</tr>
<tr>
<td>440</td>
<td>TECHNICAL SUPPORT ACTIVITIES</td>
<td>117,812</td>
<td>117,812</td>
</tr>
<tr>
<td>490</td>
<td>ADMINISTRATION</td>
<td>953,102</td>
<td>953,102</td>
</tr>
<tr>
<td>500</td>
<td>OTHER SERVICEWIDE ACTIVITIES</td>
<td>1,194,862</td>
<td>1,194,862</td>
</tr>
<tr>
<td>510</td>
<td>CIVIL AIR PATROL</td>
<td>29,594</td>
<td>29,594</td>
</tr>
<tr>
<td>540</td>
<td>INTERNATIONAL SUPPORT</td>
<td>74,959</td>
<td>74,959</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</strong></td>
<td><strong>4,632,962</strong></td>
<td><strong>4,632,962</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE</strong></td>
<td><strong>42,060,568</strong></td>
<td><strong>42,963,268</strong></td>
</tr>
</tbody>
</table>

### OPERATION & MAINTENANCE, AF RESERVE OPERATING FORCES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>070</td>
<td>ADMINISTRATION</td>
<td>71,188</td>
<td>71,188</td>
</tr>
<tr>
<td>080</td>
<td>RECRUITING AND ADVERTISING</td>
<td>19,429</td>
<td>19,429</td>
</tr>
<tr>
<td>090</td>
<td>MILITARY MANPOWER AND RECRUITING (MARP)</td>
<td>9,386</td>
<td>9,386</td>
</tr>
<tr>
<td>100</td>
<td>OTHER RECRUITING SUPPORT (DISABILITY COMP)</td>
<td>7,512</td>
<td>7,512</td>
</tr>
<tr>
<td>110</td>
<td>AUDIOVISUAL</td>
<td>440</td>
<td>440</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES</strong></td>
<td><strong>107,955</strong></td>
<td><strong>107,955</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE</strong></td>
<td><strong>3,260,234</strong></td>
<td><strong>3,315,034</strong></td>
</tr>
</tbody>
</table>

### OPERATION & MAINTENANCE, ANG OPERATING FORCES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>AIRCRAFT OPERATIONS</td>
<td>2,619,940</td>
<td>2,621,540</td>
</tr>
<tr>
<td>020</td>
<td>MISSION SUPPORT OPERATIONS</td>
<td>623,265</td>
<td>623,265</td>
</tr>
<tr>
<td>030</td>
<td>DEPOT PURCHASE EQUIPMENT MAINTENANCE</td>
<td>748,287</td>
<td>748,287</td>
</tr>
<tr>
<td>040</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>303,792</td>
<td>303,792</td>
</tr>
<tr>
<td>050</td>
<td>CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</td>
<td>1,061,739</td>
<td>1,061,739</td>
</tr>
<tr>
<td>060</td>
<td>BASE SUPPORT</td>
<td>999,333</td>
<td>999,333</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>6,345,376</strong></td>
<td><strong>6,357,976</strong></td>
</tr>
</tbody>
</table>

### ADMINISTRATION AND SERVICE-WIDE ACTIVITIES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>070</td>
<td>ADMINISTRATION</td>
<td>45,711</td>
<td>45,711</td>
</tr>
<tr>
<td>080</td>
<td>RECRUITING AND ADVERTISING</td>
<td>36,535</td>
<td>36,535</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</strong></td>
<td><strong>82,246</strong></td>
<td><strong>82,246</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, ANG</strong></td>
<td><strong>6,427,622</strong></td>
<td><strong>6,440,222</strong></td>
</tr>
</tbody>
</table>

### OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>JOINT CHIEFS OF STAFF</td>
<td>440,215</td>
<td>432,715</td>
</tr>
<tr>
<td>020</td>
<td>JOINT CHIEFS OF STAFF—CERT</td>
<td>602,186</td>
<td>602,186</td>
</tr>
<tr>
<td>040</td>
<td>SPECIAL OPERATIONS COMMAND OPERATING FORCES</td>
<td>5,389,250</td>
<td>5,389,250</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td>6,421,651</td>
<td>6,424,151</td>
</tr>
<tr>
<td>650</td>
<td><strong>TRAINING AND RECRUITING</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>JOINT CHIEFS OF STAFF</td>
<td>96,565</td>
<td>96,565</td>
</tr>
<tr>
<td>020</td>
<td>SPECIAL OPERATIONS COMMAND/TRAINING AND RECRUITING</td>
<td>370,583</td>
<td>370,583</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL TRAINING AND RECRUITING</strong></td>
<td>649,749</td>
<td>648,749</td>
</tr>
<tr>
<td>010</td>
<td>OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID</td>
<td>130,696</td>
<td>130,696</td>
</tr>
<tr>
<td>010</td>
<td>OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID</td>
<td>754,711</td>
<td>754,711</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES</strong></td>
<td>15,645,192</td>
<td>15,645,192</td>
</tr>
<tr>
<td>360</td>
<td>SPECIAL OPERATIONS COMMAND/ADMIN &amp; SRVWIDE ACTIVITIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>310</td>
<td>WASHINGTON HEADQUARTERS SERVICES</td>
<td>456,407</td>
<td>456,407</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES</strong></td>
<td>29,292,225</td>
<td>29,441,825</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE</strong></td>
<td>36,352,625</td>
<td>36,514,725</td>
</tr>
<tr>
<td></td>
<td><strong>MISCELLANEOUS APPROPRIATIONS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>US COURT OF APPEALS FOR ARMED FORCES, DEF</td>
<td>14,662</td>
<td>14,662</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF</strong></td>
<td>14,662</td>
<td>14,662</td>
</tr>
<tr>
<td></td>
<td><strong>OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID</strong></td>
<td>107,663</td>
<td>107,663</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID</strong></td>
<td>107,663</td>
<td>107,663</td>
</tr>
<tr>
<td></td>
<td><strong>COOPERATIVE THREAT REDUCTION ACCOUNT</strong></td>
<td>335,240</td>
<td>335,240</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL COOPERATIVE THREAT REDUCTION ACCOUNT</strong></td>
<td>335,240</td>
<td>335,240</td>
</tr>
<tr>
<td></td>
<td><strong>DOD ACQUISITION WORKFORCE DEVELOPMENT FUND</strong></td>
<td>400,000</td>
<td>400,000</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
### SEC. 4301. OPERATION AND MAINTENANCE

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>040</td>
<td>SUBTOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND</td>
<td>400,000</td>
<td>400,000</td>
</tr>
<tr>
<td>060</td>
<td>ENVIRONMENTAL RESTORATION, ARMY</td>
<td>203,449</td>
<td>203,449</td>
</tr>
<tr>
<td>080</td>
<td>SUBTOTAL ENVIRONMENTAL RESTORATION, ARMY</td>
<td>203,449</td>
<td>203,449</td>
</tr>
<tr>
<td>100</td>
<td>ENVIRONMENTAL RESTORATION, NAVY</td>
<td>329,253</td>
<td>329,253</td>
</tr>
<tr>
<td>120</td>
<td>SUBTOTAL ENVIRONMENTAL RESTORATION, NAVY</td>
<td>329,253</td>
<td>329,253</td>
</tr>
<tr>
<td>140</td>
<td>ENVIRONMENTAL RESTORATION, AIR FORCE</td>
<td>296,808</td>
<td>285,808</td>
</tr>
<tr>
<td>160</td>
<td>PFAS Transfer</td>
<td>[–11,000]</td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>SUBTOTAL ENVIRONMENTAL RESTORATION, AIR FORCE</td>
<td>296,808</td>
<td>285,808</td>
</tr>
<tr>
<td>200</td>
<td>ENVIRONMENTAL RESTORATION, DEFENSE</td>
<td>8,926</td>
<td>8,926</td>
</tr>
<tr>
<td>220</td>
<td>SUBTOTAL ENVIRONMENTAL RESTORATION, DEFENSE</td>
<td>8,926</td>
<td>8,926</td>
</tr>
<tr>
<td>240</td>
<td>ENVIRONMENTAL RESTORATION FORMERLY USED SITES</td>
<td>212,346</td>
<td>212,346</td>
</tr>
<tr>
<td>260</td>
<td>SUBTOTAL ENVIRONMENTAL RESTORATION FORMERLY USED SITES</td>
<td>212,346</td>
<td>212,346</td>
</tr>
<tr>
<td>280</td>
<td>TOTAL MISCELLANEOUS APPROPRIATIONS</td>
<td>1,908,347</td>
<td>1,897,347</td>
</tr>
<tr>
<td>300</td>
<td>UNDISTRIBUTED</td>
<td>0</td>
<td>–216,520</td>
</tr>
<tr>
<td>310</td>
<td>UNDISTRIBUTED</td>
<td>0</td>
<td>–216,520</td>
</tr>
<tr>
<td>320</td>
<td>FOREIGN CURRENCY Fluctuation</td>
<td>[–267,000]</td>
<td></td>
</tr>
<tr>
<td>330</td>
<td>JROTC</td>
<td>[5,480]</td>
<td></td>
</tr>
<tr>
<td>340</td>
<td>Operation and Maintenance, Air Force DSMOA</td>
<td>[10,000]</td>
<td></td>
</tr>
<tr>
<td>350</td>
<td>Operation and Maintenance, Air National Guard DSMOA</td>
<td>[15,000]</td>
<td></td>
</tr>
<tr>
<td>360</td>
<td>Operation and Maintenance, Army DSMOA</td>
<td>[10,000]</td>
<td></td>
</tr>
<tr>
<td>370</td>
<td>Operation and Maintenance, Navy DSMOA</td>
<td>[10,000]</td>
<td></td>
</tr>
<tr>
<td>380</td>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td>0</td>
<td>–216,520</td>
</tr>
<tr>
<td>390</td>
<td>TOTAL UNDISTRIBUTED</td>
<td>0</td>
<td>–216,520</td>
</tr>
<tr>
<td>400</td>
<td>TOTAL OPERATION &amp; MAINTENANCE</td>
<td>199,469,636</td>
<td>200,351,316</td>
</tr>
</tbody>
</table>

#### SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS.

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>MANEUVER UNITS</td>
<td>1,179,339</td>
<td>1,179,339</td>
</tr>
<tr>
<td>030</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>25,983</td>
<td>25,983</td>
</tr>
<tr>
<td>040</td>
<td>THEATER LEVEL ASSETS</td>
<td>2,189,916</td>
<td>2,189,916</td>
</tr>
<tr>
<td>050</td>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>188,609</td>
<td>188,609</td>
</tr>
<tr>
<td>060</td>
<td>AVIATION ASSETS</td>
<td>320,787</td>
<td>320,787</td>
</tr>
<tr>
<td>070</td>
<td>FORCIBLE ENTRY OPERATIONS SUPPORT</td>
<td>3,867,286</td>
<td>3,867,286</td>
</tr>
<tr>
<td>080</td>
<td>LAND FORCES MATERIEL READINESS SUPPORT</td>
<td>550,068</td>
<td>550,068</td>
</tr>
<tr>
<td>090</td>
<td>LAND FORCES DEPOT MAINTENANCE</td>
<td>195,873</td>
<td>195,873</td>
</tr>
<tr>
<td>100</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>109,560</td>
<td>109,560</td>
</tr>
<tr>
<td>110</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>60,807</td>
<td>60,807</td>
</tr>
<tr>
<td>140</td>
<td>ADDITIONAL ACTIVITIES</td>
<td>5,992,222</td>
<td>5,992,222</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>COMMANDERS EMERGENCY RESPONSE PROGRAM</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>160</td>
<td>RESET</td>
<td>1,036,454</td>
<td>1,036,454</td>
</tr>
<tr>
<td>180</td>
<td>US AFRICA COMMAND</td>
<td>248,796</td>
<td>248,796</td>
</tr>
<tr>
<td>190</td>
<td>US EUROPEAN COMMAND</td>
<td>98,127</td>
<td>98,127</td>
</tr>
<tr>
<td>200</td>
<td>US SOUTHERN COMMAND</td>
<td>2,350</td>
<td>2,350</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL TOTAL OPERATING FORCES</td>
<td>15,876,377</td>
<td>15,876,377</td>
</tr>
<tr>
<td></td>
<td>MOBILIZATION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>230</td>
<td>ARMY PREPOSITIONED STOCKS</td>
<td>158,753</td>
<td>158,753</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL MOBILIZATION</td>
<td>158,753</td>
<td>158,753</td>
</tr>
<tr>
<td></td>
<td>ADMIN &amp; SRVWIDE ACTIVITIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>390</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>712,230</td>
<td>712,230</td>
</tr>
<tr>
<td>400</td>
<td>CENTRAL SUPPLY ACTIVITIES</td>
<td>44,168</td>
<td>44,168</td>
</tr>
<tr>
<td>410</td>
<td>LOGISTIC SUPPORT ACTIVITIES</td>
<td>5,300</td>
<td>5,300</td>
</tr>
<tr>
<td>420</td>
<td>AMMUNITION MANAGEMENT</td>
<td>39,597</td>
<td>39,597</td>
</tr>
<tr>
<td>460</td>
<td>OTHER PERSONNEL SUPPORT</td>
<td>109,019</td>
<td>109,019</td>
</tr>
<tr>
<td>490</td>
<td>REAL ESTATE MANAGEMENT</td>
<td>191,786</td>
<td>191,786</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES</td>
<td>2,175,370</td>
<td>2,175,370</td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE, ARMY</td>
<td>18,210,500</td>
<td>18,210,500</td>
</tr>
<tr>
<td></td>
<td>OPERATION &amp; MAINTENANCE, ARMY RES OPERATING FORCES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>620</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>20,700</td>
<td>20,700</td>
</tr>
<tr>
<td>660</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>700</td>
<td>700</td>
</tr>
<tr>
<td>690</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>30,467</td>
<td>30,467</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL TOTAL OPERATING FORCES</td>
<td>41,887</td>
<td>41,887</td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES</td>
<td>41,887</td>
<td>41,887</td>
</tr>
<tr>
<td></td>
<td>OPERATION &amp; MAINTENANCE, ARNG OPERATING FORCES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>610</td>
<td>MANEUVER UNITS</td>
<td>42,519</td>
<td>42,519</td>
</tr>
<tr>
<td>620</td>
<td>MODULAR SUPPORT BRIGADES</td>
<td>778</td>
<td>778</td>
</tr>
<tr>
<td>630</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>12,093</td>
<td>12,093</td>
</tr>
<tr>
<td>640</td>
<td>THEATER LEVEL ASSETS</td>
<td>708</td>
<td>708</td>
</tr>
<tr>
<td>660</td>
<td>AVIATION ASSETS</td>
<td>28,135</td>
<td>28,135</td>
</tr>
<tr>
<td>670</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>5,806</td>
<td>5,806</td>
</tr>
<tr>
<td>700</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>19,977</td>
<td>19,977</td>
</tr>
<tr>
<td>720</td>
<td>MANAGEMENT AND OPERATIONAL HEADQUARTERS</td>
<td>956</td>
<td>956</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL TOTAL OPERATING FORCES</td>
<td>109,974</td>
<td>109,974</td>
</tr>
<tr>
<td></td>
<td>ADMIN &amp; SRVWIDE ACTIVITIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>SERVICEWIDE COMMUNICATIONS</td>
<td>755</td>
<td>755</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES</td>
<td>755</td>
<td>755</td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE, ARNG</td>
<td>110,729</td>
<td>110,729</td>
</tr>
<tr>
<td></td>
<td>AFGHANISTAN SECURITY FORCES FUND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>690</td>
<td>SUSTAINMENT</td>
<td>1,522,777</td>
<td>1,522,777</td>
</tr>
<tr>
<td>100</td>
<td>INFRASTRUCTURE</td>
<td>137,732</td>
<td>137,732</td>
</tr>
<tr>
<td>110</td>
<td>EQUIPMENT AND TRANSPORTATION</td>
<td>71,922</td>
<td>71,922</td>
</tr>
<tr>
<td>120</td>
<td>TRAINING AND OPERATIONS</td>
<td>175,846</td>
<td>175,846</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL AFGHAN NATIONAL ARMY</td>
<td>1,908,277</td>
<td>1,908,277</td>
</tr>
<tr>
<td></td>
<td>AFGHAN NATIONAL POLICE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>SUSTAINMENT</td>
<td>527,554</td>
<td>527,554</td>
</tr>
<tr>
<td>140</td>
<td>INFRASTRUCTURE</td>
<td>42,984</td>
<td>42,984</td>
</tr>
<tr>
<td>150</td>
<td>EQUIPMENT AND TRANSPORTATION</td>
<td>14,554</td>
<td>14,554</td>
</tr>
<tr>
<td>160</td>
<td>TRAINING AND OPERATIONS</td>
<td>191,786</td>
<td>191,786</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL AFGHAN NATIONAL POLICE</td>
<td>767,014</td>
<td>767,014</td>
</tr>
<tr>
<td></td>
<td>AFGHAN AIR FORCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>170</td>
<td>SUSTAINMENT</td>
<td>942,279</td>
<td>942,279</td>
</tr>
<tr>
<td>180</td>
<td>INFRASTRUCTURE</td>
<td>30,350</td>
<td>30,350</td>
</tr>
<tr>
<td>190</td>
<td>EQUIPMENT AND TRANSPORTATION</td>
<td>572,310</td>
<td>572,310</td>
</tr>
<tr>
<td>200</td>
<td>TRAINING AND OPERATIONS</td>
<td>277,191</td>
<td>277,191</td>
</tr>
</tbody>
</table>
### SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SUBTOTAL AFGHAN AIR FORCE</td>
<td>1,822,130</td>
<td>1,822,130</td>
</tr>
<tr>
<td></td>
<td>AFGHAN SPECIAL SECURITY FORCES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>210</td>
<td>SUSTAINMENT</td>
<td>353,734</td>
<td>353,734</td>
</tr>
<tr>
<td>220</td>
<td>INFRASTRUCTURE</td>
<td>43,132</td>
<td>43,132</td>
</tr>
<tr>
<td>230</td>
<td>EQUIPMENT AND TRANSPORTATION</td>
<td>151,790</td>
<td>151,790</td>
</tr>
<tr>
<td>240</td>
<td>TRAINING AND OPERATIONS</td>
<td>153,373</td>
<td>153,373</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL AFGHAN SPECIAL SECURITY FORCES</td>
<td>702,029</td>
<td>702,029</td>
</tr>
<tr>
<td></td>
<td>TOTAL AFGHAN SECURITY FORCES FORCES FUND</td>
<td>5,199,450</td>
<td>5,199,450</td>
</tr>
<tr>
<td></td>
<td>OPERATION &amp; MAINTENANCE, NAVY</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OPERATING FORCES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0010</td>
<td>MISSION AND OTHER FLIGHT OPERATIONS</td>
<td>435,507</td>
<td>435,507</td>
</tr>
<tr>
<td>0020</td>
<td>AVIATION TECHNICAL DATA &amp; ENGINEERING SERVICES</td>
<td>800</td>
<td>800</td>
</tr>
<tr>
<td>0030</td>
<td>AIR OPERATIONS AND SAFETY SUPPORT</td>
<td>9,294</td>
<td>9,294</td>
</tr>
<tr>
<td>0040</td>
<td>AIR SYSTEMS SUPPORT</td>
<td>193,384</td>
<td>193,384</td>
</tr>
<tr>
<td>0060</td>
<td>AIRCRAFT DEPOT MAINTENANCE</td>
<td>173,053</td>
<td>173,053</td>
</tr>
<tr>
<td>0070</td>
<td>AIRCRAFT DEPOT OPERATIONS SUPPORT</td>
<td>3,524</td>
<td>3,524</td>
</tr>
<tr>
<td>0080</td>
<td>AVIATION LOGISTICS</td>
<td>60,219</td>
<td>60,219</td>
</tr>
<tr>
<td>0090</td>
<td>MISSION AND OTHER SHIP OPERATIONS</td>
<td>942,960</td>
<td>942,960</td>
</tr>
<tr>
<td>1000</td>
<td>SHIP OPERATIONS SUPPORT &amp; TRAINING</td>
<td>20,236</td>
<td>20,236</td>
</tr>
<tr>
<td>1100</td>
<td>SHIP DEPOT MAINTENANCE</td>
<td>1,022,647</td>
<td>1,022,647</td>
</tr>
<tr>
<td>1300</td>
<td>COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE</td>
<td>59,553</td>
<td>59,553</td>
</tr>
<tr>
<td>1600</td>
<td>WARFARE TACTICS</td>
<td>16,651</td>
<td>16,651</td>
</tr>
<tr>
<td>1700</td>
<td>OPERATIONAL METEOROLOGY AND OCEANOGRAPHY</td>
<td>31,118</td>
<td>31,118</td>
</tr>
<tr>
<td>1900</td>
<td>COMBAT SUPPORT FORCES</td>
<td>635,560</td>
<td>635,560</td>
</tr>
<tr>
<td>1910</td>
<td>EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT</td>
<td>4,334</td>
<td>4,334</td>
</tr>
<tr>
<td>2200</td>
<td>COMBATANT COMMANDERS DIRECT MISSION SUPPORT</td>
<td>24,800</td>
<td>24,800</td>
</tr>
<tr>
<td>2400</td>
<td>CYBERSPACE ACTIVITIES</td>
<td>355</td>
<td>355</td>
</tr>
<tr>
<td>2800</td>
<td>WEAPONS MAINTENANCE</td>
<td>493,043</td>
<td>493,043</td>
</tr>
<tr>
<td>2900</td>
<td>OTHER WEAPON SYSTEMS SUPPORT</td>
<td>12,780</td>
<td>12,780</td>
</tr>
<tr>
<td>3100</td>
<td>SUSTAINMENT, RESTORATION AND MODERNIZATION</td>
<td>67,321</td>
<td>67,321</td>
</tr>
<tr>
<td>3200</td>
<td>INSTALLATION WIDE SUPPORT SUPPORT</td>
<td>211,394</td>
<td>211,394</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>4,418,623</td>
<td>4,418,623</td>
</tr>
<tr>
<td></td>
<td>MOBILIZATION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3700</td>
<td>EXPEDITIONARY HEALTH SERVICES SYSTEMS</td>
<td>12,902</td>
<td>12,902</td>
</tr>
<tr>
<td>3900</td>
<td>COAST GUARD SUPPORT</td>
<td>165,900</td>
<td>165,900</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL MOBILIZATION</td>
<td>177,902</td>
<td>177,902</td>
</tr>
<tr>
<td></td>
<td>TRAINING AND RECRUITING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4300</td>
<td>SPECIALIZED SKILL TRAINING</td>
<td>51,138</td>
<td>51,138</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL TRAINING AND RECRUITING</td>
<td>51,138</td>
<td>51,138</td>
</tr>
<tr>
<td></td>
<td>CLASSIFIED PROGRAMS</td>
<td>16,076</td>
<td>16,076</td>
</tr>
<tr>
<td></td>
<td>ADMIN &amp; SRVWD ACTIVITIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5100</td>
<td>ADMINISTRATION</td>
<td>4,145</td>
<td>4,145</td>
</tr>
<tr>
<td>5400</td>
<td>MILITARY MANPOWER AND PERSONNEL MANAGEMENT</td>
<td>7,503</td>
<td>7,503</td>
</tr>
<tr>
<td>5800</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>69,297</td>
<td>69,297</td>
</tr>
<tr>
<td>6200</td>
<td>ACQUISITION, LOGISTICS, AND OVERSIGHT</td>
<td>10,512</td>
<td>10,512</td>
</tr>
<tr>
<td>6500</td>
<td>INVESTIGATIVE AND SECURITY SERVICES</td>
<td>1,559</td>
<td>1,559</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</td>
<td>109,492</td>
<td>109,492</td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE, NAVY</td>
<td>4,757,155</td>
<td>4,757,155</td>
</tr>
<tr>
<td></td>
<td>OPERATION &amp; MAINTENANCE, MARINE CORPS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OPERATING FORCES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0610</td>
<td>OPERATIONAL FORCES</td>
<td>734,505</td>
<td>734,505</td>
</tr>
<tr>
<td>0620</td>
<td>FIELD LOGISTICS</td>
<td>212,691</td>
<td>212,691</td>
</tr>
<tr>
<td>0630</td>
<td>DEPOT MAINTENANCE</td>
<td>53,040</td>
<td>53,040</td>
</tr>
<tr>
<td>0670</td>
<td>BASE OPERATING SUPPORT</td>
<td>23,047</td>
<td>23,047</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>1,023,283</td>
<td>1,023,283</td>
</tr>
<tr>
<td></td>
<td>TRAINING AND RECRUITING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1200</td>
<td>TRAINING SUPPORT</td>
<td>30,459</td>
<td>30,459</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL TRAINING AND RECRUITING</td>
<td>30,459</td>
<td>30,459</td>
</tr>
<tr>
<td></td>
<td>CLASSIFIED PROGRAMS</td>
<td>4,650</td>
<td>4,650</td>
</tr>
</tbody>
</table>
### SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>160</td>
<td>ADMIN &amp; SRVWD ACTIVITIES</td>
<td>61,400</td>
<td>61,400</td>
</tr>
<tr>
<td>170</td>
<td>ADMINISTRATION</td>
<td>2,108</td>
<td>2,108</td>
</tr>
<tr>
<td>170</td>
<td>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</td>
<td>63,508</td>
<td>63,508</td>
</tr>
<tr>
<td>180</td>
<td>TOTAL OPERATION &amp; MAINTENANCE, MARINE CORPS</td>
<td>1,121,900</td>
<td>1,121,900</td>
</tr>
<tr>
<td>190</td>
<td>OPERATION &amp; MAINTENANCE, NAY RES OPERATING FORCES</td>
<td>2,550</td>
<td>2,550</td>
</tr>
<tr>
<td>200</td>
<td>BASE SUPPORT</td>
<td>795</td>
<td>795</td>
</tr>
<tr>
<td>210</td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>3,345</td>
<td>3,345</td>
</tr>
<tr>
<td>220</td>
<td>OPERATION &amp; MAINTENANCE, AIR FORCE OPERATING FORCES</td>
<td>1,121,900</td>
<td>1,121,900</td>
</tr>
<tr>
<td>230</td>
<td>PRIMARY COMBAT FORCES</td>
<td>166,274</td>
<td>166,274</td>
</tr>
<tr>
<td>240</td>
<td>COMBAT ENHANCEMENT FORCES</td>
<td>1,492,580</td>
<td>1,492,580</td>
</tr>
<tr>
<td>250</td>
<td>AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)</td>
<td>110,237</td>
<td>110,237</td>
</tr>
<tr>
<td>260</td>
<td>DEPOT PURCHASE EQUIPMENT MAINTENANCE</td>
<td>209,996</td>
<td>209,996</td>
</tr>
<tr>
<td>270</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>92,112</td>
<td>92,112</td>
</tr>
<tr>
<td>280</td>
<td>CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</td>
<td>1,299,693</td>
<td>1,299,693</td>
</tr>
<tr>
<td>290</td>
<td>FLYING HOUR PROGRAM</td>
<td>2,355,264</td>
<td>2,355,264</td>
</tr>
<tr>
<td>300</td>
<td>BASE SUPPORT</td>
<td>1,141,718</td>
<td>1,141,718</td>
</tr>
<tr>
<td>310</td>
<td>GLOBAL C3I AND EARLY WARNING</td>
<td>13,537</td>
<td>13,537</td>
</tr>
<tr>
<td>320</td>
<td>OTHER COMBAT OPS SPT PROGRAMS</td>
<td>224,713</td>
<td>224,713</td>
</tr>
<tr>
<td>330</td>
<td>CYBER SPACE ACTIVITIES</td>
<td>17,353</td>
<td>17,353</td>
</tr>
<tr>
<td>340</td>
<td>TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES</td>
<td>36,098</td>
<td>36,098</td>
</tr>
<tr>
<td>350</td>
<td>LAUNCH FACILITIES</td>
<td>345</td>
<td>345</td>
</tr>
<tr>
<td>360</td>
<td>SPACE CONTROL SYSTEMS</td>
<td>38,966</td>
<td>38,966</td>
</tr>
<tr>
<td>370</td>
<td>US NORTHCOM/NORAD</td>
<td>725</td>
<td>725</td>
</tr>
<tr>
<td>380</td>
<td>US STRATCOM</td>
<td>2,056</td>
<td>2,056</td>
</tr>
<tr>
<td>390</td>
<td>US CYBERCOM</td>
<td>35,189</td>
<td>35,189</td>
</tr>
<tr>
<td>400</td>
<td>US CENTCOM</td>
<td>166,274</td>
<td>166,274</td>
</tr>
<tr>
<td>410</td>
<td>US SOCOM</td>
<td>19,000</td>
<td>19,000</td>
</tr>
<tr>
<td>420</td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>7,408,887</td>
<td>7,408,887</td>
</tr>
<tr>
<td>430</td>
<td>MOBILIZATION</td>
<td>1,297,659</td>
<td>1,297,659</td>
</tr>
<tr>
<td>440</td>
<td>MOBILIZATION PREPAREDNESS</td>
<td>107,064</td>
<td>107,064</td>
</tr>
<tr>
<td>450</td>
<td>SUBTOTAL MOBILIZATION</td>
<td>1,394,723</td>
<td>1,394,723</td>
</tr>
<tr>
<td>460</td>
<td>TRAINING AND RECRUITING</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>470</td>
<td>RECRUIT TRAINING</td>
<td>340</td>
<td>340</td>
</tr>
<tr>
<td>480</td>
<td>SPECIALIZED SKILL TRAINING</td>
<td>25,327</td>
<td>25,327</td>
</tr>
<tr>
<td>490</td>
<td>FLIGHT TRAINING</td>
<td>844</td>
<td>844</td>
</tr>
<tr>
<td>500</td>
<td>PROFESSIONAL DEVELOPMENT EDUCATION</td>
<td>1,199</td>
<td>1,199</td>
</tr>
<tr>
<td>510</td>
<td>TRAINING SUPPORT</td>
<td>1,120</td>
<td>1,120</td>
</tr>
<tr>
<td>520</td>
<td>SUBTOTAL TRAINING AND RECRUITING</td>
<td>29,330</td>
<td>29,330</td>
</tr>
<tr>
<td>530</td>
<td>CLASSIFIED PROGRAMS</td>
<td>51,108</td>
<td>51,108</td>
</tr>
<tr>
<td>540</td>
<td>ADMIN &amp; SRVWD ACTIVITIES</td>
<td>134,485</td>
<td>134,485</td>
</tr>
<tr>
<td>550</td>
<td>TECHNICAL SUPPORT ACTIVITIES</td>
<td>13,608</td>
<td>13,608</td>
</tr>
<tr>
<td>560</td>
<td>ADMINISTRATION</td>
<td>4,814</td>
<td>4,814</td>
</tr>
<tr>
<td>570</td>
<td>SERVICEWIDE COMMUNICATIONS</td>
<td>131,123</td>
<td>131,123</td>
</tr>
<tr>
<td>580</td>
<td>OTHER SERVICEWIDE ACTIVITIES</td>
<td>97,471</td>
<td>97,471</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
### SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

**Table:**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>540</td>
<td>INTERNATIONAL SUPPORT</td>
<td>240</td>
<td>240</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</td>
<td>452,849</td>
<td>452,849</td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE</td>
<td>9,285,789</td>
<td>9,285,789</td>
</tr>
<tr>
<td>630</td>
<td>DEPOT PURCHASE EQUIPMENT MAINTENANCE</td>
<td>51,000</td>
<td>51,000</td>
</tr>
<tr>
<td>660</td>
<td>BASE SUPPORT</td>
<td>9,500</td>
<td>9,500</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>60,500</td>
<td>60,500</td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE</td>
<td>60,500</td>
<td>60,500</td>
</tr>
<tr>
<td>020</td>
<td>MISSION SUPPORT OPERATIONS</td>
<td>3,560</td>
<td>3,560</td>
</tr>
<tr>
<td>060</td>
<td>BASE SUPPORT</td>
<td>12,310</td>
<td>12,310</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>15,870</td>
<td>15,870</td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE, ANG</td>
<td>15,870</td>
<td>15,870</td>
</tr>
<tr>
<td>010</td>
<td>JOINT CHIEFS OF STAFF</td>
<td>28,671</td>
<td>28,671</td>
</tr>
<tr>
<td>040</td>
<td>SPECIAL OPERATIONS COMMAND/OPERATING FORCES</td>
<td>3,761,832</td>
<td>3,761,832</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>3,761,832</td>
<td>3,761,832</td>
</tr>
<tr>
<td></td>
<td>CLASSIFIED PROGRAMS</td>
<td>1,944,813</td>
<td>1,944,813</td>
</tr>
<tr>
<td></td>
<td>ADMIN &amp; SRVWD ACTIVITIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>DEFENSE CONTRACT AUDIT AGENCY</td>
<td>1,784</td>
<td>1,784</td>
</tr>
<tr>
<td>110</td>
<td>DEFENSE CONTRACT MANAGEMENT AGENCY</td>
<td>31,723</td>
<td>31,723</td>
</tr>
<tr>
<td>130</td>
<td>DEFENSE INFORMATION SYSTEMS AGENCY</td>
<td>111,702</td>
<td>111,702</td>
</tr>
<tr>
<td>150</td>
<td>DEFENSE LEGAL SERVICES AGENCY</td>
<td>127,023</td>
<td>127,023</td>
</tr>
<tr>
<td>170</td>
<td>DEFENSE MEDIA ACTIVITY</td>
<td>14,377</td>
<td>14,377</td>
</tr>
<tr>
<td>190</td>
<td>DEFENSE SECURITY COOPERATION AGENCY</td>
<td>1,658,142</td>
<td>1,658,142</td>
</tr>
<tr>
<td></td>
<td>Coalition Support Funds</td>
<td>[–550,000]</td>
<td></td>
</tr>
<tr>
<td>230</td>
<td>DEFENSE THREAT REDUCTION AGENCY</td>
<td>302,250</td>
<td>302,250</td>
</tr>
<tr>
<td>250</td>
<td>DEPARTMENT OF DEFENSE EDUCATION ACTIVITY</td>
<td>31,620</td>
<td>31,620</td>
</tr>
<tr>
<td>290</td>
<td>OFFICE OF THE SECRETARY OF DEFENSE</td>
<td>16,579</td>
<td>16,579</td>
</tr>
<tr>
<td>310</td>
<td>WASHINGTON HEADQUARTERS SERVICES</td>
<td>7,766</td>
<td>7,766</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</td>
<td>4,788,076</td>
<td>4,288,076</td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE</td>
<td>8,549,908</td>
<td>7,999,908</td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE</td>
<td>47,382,670</td>
<td>46,832,670</td>
</tr>
</tbody>
</table>

### TITLE XLIV—MILITARY PERSONNEL

### SEC. 4401. MILITARY PERSONNEL

**Table:**

<table>
<thead>
<tr>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>MILITARY PERSONNEL APPROPRIATIONS</td>
<td>146,689,301</td>
<td>137,627,221</td>
</tr>
<tr>
<td>End strength cut</td>
<td>[–983,200]</td>
<td></td>
</tr>
<tr>
<td>Foreign Currency Fluctuation</td>
<td>[–133,000]</td>
<td></td>
</tr>
<tr>
<td>IROTC</td>
<td>1,220</td>
<td></td>
</tr>
<tr>
<td>Military Personnel Underenrollment</td>
<td>[–1,937,700]</td>
<td></td>
</tr>
</tbody>
</table>
### SEC. 4401. MILITARY PERSONNEL
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUBTOTAL MILITARY PERSONNEL APPROPRIATIONS</td>
<td>140,689,301</td>
<td>137,627,221</td>
</tr>
<tr>
<td>MEDICARE-ELIGIBLE RETIREE HEALTH FUND CONTRIBUTIONS</td>
<td>7,533,090</td>
<td>7,533,090</td>
</tr>
<tr>
<td>SUBTOTAL MEDICARE-ELIGIBLE RETIREE HEALTH FUND CONTRIBUTIONS</td>
<td>7,533,090</td>
<td>7,533,090</td>
</tr>
<tr>
<td>TOTAL MILITARY PERSONNEL</td>
<td>148,222,391</td>
<td>145,160,311</td>
</tr>
</tbody>
</table>

### SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>MILITARY PERSONNEL APPROPRIATIONS</td>
<td>4,660,661</td>
<td>4,660,661</td>
</tr>
<tr>
<td>SUBTOTAL MILITARY PERSONNEL APPROPRIATIONS</td>
<td>4,660,661</td>
<td>4,660,661</td>
</tr>
<tr>
<td>TOTAL MILITARY PERSONNEL</td>
<td>4,660,661</td>
<td>4,660,661</td>
</tr>
</tbody>
</table>

### TITLE XLV—OTHER AUTHORIZATIONS

### SEC. 4501. OTHER AUTHORIZATIONS
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>610</td>
<td>Working Capital Fund, Army Industrial Operations</td>
<td>59,002</td>
<td>59,002</td>
</tr>
<tr>
<td>620</td>
<td>Supply Management—Army</td>
<td>99,763</td>
<td>99,763</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL WORKING CAPITAL FUND, ARMY</td>
<td>58,002</td>
<td>58,002</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL WORKING CAPITAL FUND, ARMY</td>
<td>99,763</td>
<td>99,763</td>
</tr>
<tr>
<td>620</td>
<td>Supplies and Materials</td>
<td>69,054</td>
<td>69,054</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL WORKING CAPITAL FUND, AIR FORCE</td>
<td>69,054</td>
<td>69,054</td>
</tr>
<tr>
<td>620</td>
<td>Supply Chain Management—Defense-Wide</td>
<td>48,096</td>
<td>48,096</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL WORKING CAPITAL FUND, DEFENSE-WIDE</td>
<td>48,096</td>
<td>48,096</td>
</tr>
<tr>
<td>610</td>
<td>Working Capital Fund, DECA</td>
<td>1,266,200</td>
<td>1,266,200</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL WORKING CAPITAL FUND, DECA</td>
<td>1,266,200</td>
<td>1,266,200</td>
</tr>
<tr>
<td></td>
<td>TOTAL WORKING CAPITAL FUND</td>
<td>1,542,115</td>
<td>1,542,115</td>
</tr>
</tbody>
</table>
### SEC. 4501. OTHER AUTHORIZATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CHEM AGENTS &amp; MUNITIONS DESTRUCTION OPERATION AND MAINTENANCE</td>
<td>105,997</td>
<td>105,997</td>
</tr>
<tr>
<td>2</td>
<td>RESEARCH, DEVELOPMENT, TEST, AND EVALUATION</td>
<td>886,728</td>
<td>886,728</td>
</tr>
<tr>
<td>3</td>
<td>PROCUREMENT</td>
<td>1,091</td>
<td>1,091</td>
</tr>
<tr>
<td>4</td>
<td>TOTAL CHEM AGENTS &amp; MUNITIONS DESTRUCTION</td>
<td>993,816</td>
<td>993,816</td>
</tr>
<tr>
<td>5</td>
<td>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</td>
<td>547,171</td>
<td>547,171</td>
</tr>
<tr>
<td>6</td>
<td>DRUG DEMAND REDUCTION PROGRAM</td>
<td>117,900</td>
<td>117,900</td>
</tr>
<tr>
<td>7</td>
<td>NATIONAL GUARD COUNTER-DRUG PROGRAM</td>
<td>117,178</td>
<td>117,178</td>
</tr>
<tr>
<td>8</td>
<td>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</td>
<td>787,525</td>
<td>787,525</td>
</tr>
<tr>
<td>9</td>
<td>OFFICE OF THE INSPECTOR GENERAL</td>
<td>327,611</td>
<td>327,611</td>
</tr>
<tr>
<td>10</td>
<td>DEFENSE HEALTH PROGRAM</td>
<td>32,145,395</td>
<td>32,147,895</td>
</tr>
<tr>
<td>11</td>
<td>TOTAL OFFICE OF THE INSPECTOR GENERAL</td>
<td>329,273</td>
<td>329,273</td>
</tr>
<tr>
<td>12</td>
<td>DEFENSE HEALTH PROGRAM</td>
<td>32,145,293</td>
<td>32,147,895</td>
</tr>
<tr>
<td>13</td>
<td>RDT&amp;E</td>
<td>11,386</td>
<td>11,386</td>
</tr>
<tr>
<td>14</td>
<td>R&amp;D Exploratory Development</td>
<td>75,010</td>
<td>75,010</td>
</tr>
<tr>
<td>15</td>
<td>R&amp;D Advanced Development</td>
<td>117,529</td>
<td>117,529</td>
</tr>
<tr>
<td>16</td>
<td>R&amp;D Demonstration/Validation</td>
<td>273,258</td>
<td>273,258</td>
</tr>
<tr>
<td>17</td>
<td>Base Operations/Commissions</td>
<td>2,098,845</td>
<td>2,098,845</td>
</tr>
<tr>
<td>18</td>
<td>SUBTOTAL OPERATION &amp; MAINTENANCE</td>
<td>32,145,293</td>
<td>32,147,895</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
### SEC. 4501. OTHER AUTHORIZATIONS

**SEC. 4501. OTHER AUTHORIZATIONS**

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>R&amp;D Engineering Development</td>
<td>151,985</td>
<td>151,985</td>
</tr>
<tr>
<td>130</td>
<td>R&amp;D Management and Support</td>
<td>63,755</td>
<td>63,755</td>
</tr>
<tr>
<td>140</td>
<td>R&amp;D Capabilities Enhancement</td>
<td>15,714</td>
<td>15,714</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL RDT&amp;E</strong></td>
<td><strong>710,637</strong></td>
<td><strong>710,637</strong></td>
</tr>
<tr>
<td>150</td>
<td>PROCUREMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>PROCUREMENT Replacement &amp; Modernization</td>
<td>343,424</td>
<td>343,424</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL PROCUREMENT</strong></td>
<td><strong>873,160</strong></td>
<td><strong>873,160</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL DEFENSE HEALTH PROGRAM</strong></td>
<td><strong>33,729,192</strong></td>
<td><strong>33,731,692</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OTHER AUTHORIZATIONS</strong></td>
<td><strong>37,381,921</strong></td>
<td><strong>37,384,421</strong></td>
</tr>
</tbody>
</table>

### SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

**SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS**

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>020</td>
<td>Supply Management—Army</td>
<td>6,600</td>
<td>6,600</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL WORKING CAPITAL FUND, ARMY</strong></td>
<td><strong>6,600</strong></td>
<td><strong>6,600</strong></td>
</tr>
<tr>
<td>020</td>
<td>Supplies and Materials</td>
<td>8,590</td>
<td>8,590</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL WORKING CAPITAL FUND, AIR FORCE</strong></td>
<td><strong>8,590</strong></td>
<td><strong>8,590</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL WORKING CAPITAL FUND</strong></td>
<td><strong>15,190</strong></td>
<td><strong>15,190</strong></td>
</tr>
<tr>
<td>010</td>
<td>Drug Interdiction and Counter-Drug Activities</td>
<td>153,100</td>
<td>153,100</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL DRUG INTERDICATION AND COUNTER DRUG ACTIVITIES</strong></td>
<td><strong>153,100</strong></td>
<td><strong>153,100</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL DRUG INTERDICATION &amp; CTR-DRUG ACTIVITIES, DEF</strong></td>
<td><strong>153,100</strong></td>
<td><strong>153,100</strong></td>
</tr>
<tr>
<td>010</td>
<td>Office of the Inspector General</td>
<td>24,692</td>
<td>24,692</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATION &amp; MAINTENANCE</strong></td>
<td><strong>24,692</strong></td>
<td><strong>24,692</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OFFICE OF THE INSPECTOR GENERAL</strong></td>
<td><strong>24,692</strong></td>
<td><strong>24,692</strong></td>
</tr>
<tr>
<td>010</td>
<td>Iraq</td>
<td>850,000</td>
<td>850,000</td>
</tr>
<tr>
<td>020</td>
<td>Syria</td>
<td>300,000</td>
<td>300,000</td>
</tr>
<tr>
<td>030</td>
<td>Other</td>
<td>250,000</td>
<td>250,000</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)</strong></td>
<td><strong>1,400,000</strong></td>
<td><strong>1,400,000</strong></td>
</tr>
</tbody>
</table>
TITLE XLVI—MILITARY CONSTRUCTION

 SEC. 4601. MILITARY CONSTRUCTION.

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TOTAL COUNTER-ISIS TRAIN AND EQUIP FUND</td>
<td>1,400,000</td>
<td>1,400,000</td>
</tr>
<tr>
<td></td>
<td>TOTAL OTHER AUTHORIZATIONS</td>
<td>1,945,050</td>
<td>1,945,050</td>
</tr>
</tbody>
</table>

1

2

3

SEC. 4601. MILITARY CONSTRUCTION.

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>MILITARY CONSTRUCTION</td>
<td>Alabama</td>
<td>Anniston Army Depot</td>
<td>Weapon Maintenance Shop</td>
<td>5,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>California</td>
<td>Fort Irwin</td>
<td>Multipurpose Range Complex</td>
<td>29,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>Colorado</td>
<td>Fort Carson</td>
<td>Vehicle Maintenance Shop</td>
<td>77,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>Georgia</td>
<td>Fort Gordon</td>
<td>Cyber Instructional Fire and Network Ctrl</td>
<td>99,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>Germany</td>
<td>East Camp Grafenwoehr</td>
<td>Mission Training Complex</td>
<td>31,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>Hawaii</td>
<td>Fort Shafter</td>
<td>Command and Control Facility, Incr 4</td>
<td>105,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>Hawaii</td>
<td>Wheeler Army Airfield</td>
<td>Rotary wing parking area</td>
<td>0</td>
</tr>
<tr>
<td>ARMY</td>
<td>Indiana</td>
<td>Fort Shafter</td>
<td>Barracks</td>
<td>21,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>Iowa</td>
<td>Crane Army Ammunition Activity</td>
<td>Railcar Holding Area</td>
<td>16,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>Kentucky</td>
<td>Fort Campbell</td>
<td>Weapon Maintenance Shop</td>
<td>32,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>Kentucky</td>
<td>Fort Knox</td>
<td>Digital Air/Defense Integration Range</td>
<td>26,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>Kansas</td>
<td>Camp Tonge</td>
<td>Command and Control Facility</td>
<td>17,500</td>
</tr>
<tr>
<td>ARMY</td>
<td>Kansas</td>
<td>Camp Arifjan</td>
<td>Vehicle Maintenance Shop</td>
<td>44,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>New Jersey</td>
<td>Pohakung Arsenal</td>
<td>Munitions Disassembly Complex</td>
<td>41,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>New Mexico</td>
<td>White Sands Missile Range</td>
<td>Information Systems Facility</td>
<td>40,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>New York</td>
<td>West Point Military Reservation</td>
<td>Engineering Center</td>
<td>95,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>New York</td>
<td>West Point Military Reservation</td>
<td>Parking Structure</td>
<td>65,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>North Carolina</td>
<td>Fort Bragg</td>
<td>Dining Facility</td>
<td>10,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>South Carolina</td>
<td>Fort Jackson</td>
<td>Turret Barracks Complex 8, PH2</td>
<td>52,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>South Carolina</td>
<td>Fort Eubanks</td>
<td>Supply Support Activity</td>
<td>24,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>South Carolina</td>
<td>Fort Hood</td>
<td>Supply Support Activity</td>
<td>0</td>
</tr>
<tr>
<td>ARMY</td>
<td>Vermont</td>
<td>Arlington National Cemetery</td>
<td>Arlington National Cemetery Southern Expansion</td>
<td>0</td>
</tr>
<tr>
<td>ARMY</td>
<td>Worldwide Unspecified</td>
<td>Worldwide Unspecified Locations</td>
<td>Hot Nation Support</td>
<td>34,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>Worldwide Unspecified</td>
<td>Worldwide Unspecified Locations</td>
<td>Planning and Design</td>
<td>72,068</td>
</tr>
<tr>
<td>ARMY</td>
<td>Worldwide Unspecified</td>
<td>Worldwide Unspecified Locations</td>
<td>Unspecified Missile Construction</td>
<td>72,000</td>
</tr>
<tr>
<td>ARMY</td>
<td>Worldwide Unspecified</td>
<td>Worldwide Unspecified Locations</td>
<td>Planning and Design</td>
<td>5,000</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NAVY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL ARMY</strong></td>
<td>1,011,768</td>
<td>1,119,368</td>
</tr>
<tr>
<td>Arizona</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Camp Navajo</td>
<td></td>
<td>Missile Missile Missiles and U&amp;SL</td>
<td>0</td>
<td>14,800</td>
</tr>
<tr>
<td>Boeing Islands</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrews Island</td>
<td></td>
<td>AUTEC, Andrews Quarters</td>
<td>31,950</td>
<td>31,950</td>
</tr>
<tr>
<td>Bahamas Island</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SW Area</td>
<td></td>
<td>Plot Maintenance Facility &amp; TOC</td>
<td>26,340</td>
<td>26,340</td>
</tr>
<tr>
<td>California</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Camp Pendleton</td>
<td>62 Area Mass Hall &amp; Consolidated Warehouse</td>
<td>0</td>
<td>71,700</td>
<td></td>
</tr>
<tr>
<td>Camp Pendleton</td>
<td>Supply Warehouse S&amp;G West</td>
<td>0</td>
<td>26,600</td>
<td></td>
</tr>
<tr>
<td>Camp Pendleton</td>
<td>Potable Water Distribution Improvements</td>
<td>47,230</td>
<td>47,230</td>
<td></td>
</tr>
<tr>
<td>Camp Pendleton</td>
<td>AUTOC, Autoc Warsaw Facility</td>
<td>49,410</td>
<td>49,410</td>
<td></td>
</tr>
<tr>
<td>Camp Pendleton</td>
<td>Fat Motion Testing Facility</td>
<td>10,670</td>
<td>10,670</td>
<td></td>
</tr>
<tr>
<td>Camp Pendleton</td>
<td>Electrical Upgrades</td>
<td>4,020</td>
<td>4,020</td>
<td></td>
</tr>
<tr>
<td>Camp Pendleton</td>
<td>CMR-22R Airfield Improvements</td>
<td>77,780</td>
<td>77,780</td>
<td></td>
</tr>
<tr>
<td>Camp Pendleton</td>
<td>Weapon Logistics Operations</td>
<td>112,690</td>
<td>112,690</td>
<td></td>
</tr>
<tr>
<td>Camp Pendleton</td>
<td>F-35 Vertical Landing Fence &amp; Towing</td>
<td>20,980</td>
<td>20,980</td>
<td></td>
</tr>
<tr>
<td>Camp Pendleton</td>
<td>Airfield Security Improvements</td>
<td>11,500</td>
<td>11,500</td>
<td></td>
</tr>
<tr>
<td>Camp Pendleton</td>
<td>Directed Energy Systems Integration Lab</td>
<td>22,150</td>
<td>22,150</td>
<td></td>
</tr>
</tbody>
</table>
| Camp Pendleton  |oeae aoe e oeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeoeo
<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVY</td>
<td>Whidbey Island</td>
<td>Fleet Support Facility</td>
<td>19,450</td>
<td>19,450</td>
</tr>
<tr>
<td>NAVY</td>
<td>Whidbey Island</td>
<td>Next Generation Jammer Facility</td>
<td>7,930</td>
<td>7,930</td>
</tr>
<tr>
<td>NAVY</td>
<td>Worldwide Unspecified Locations</td>
<td>Unspecified Minor Construction</td>
<td>0</td>
<td>25,000</td>
</tr>
<tr>
<td>NAVY</td>
<td>Worldwide Unspecified Locations</td>
<td>Unspecified Minor Construction</td>
<td>28,579</td>
<td>28,579</td>
</tr>
<tr>
<td>NAVY</td>
<td>Worldwide Unspecified Locations</td>
<td>Planning and Design</td>
<td>185,542</td>
<td>185,542</td>
</tr>
<tr>
<td>SURTOTAL NAVY</td>
<td></td>
<td></td>
<td><strong>2,543,189</strong></td>
<td><strong>2,572,752</strong></td>
</tr>
</tbody>
</table>

AIR FORCE

<p>| Alaska  | Eielson AFB                   | F-35A School AGE Facility                          | 22,500          | 22,500            |
| Alaska  | Eielson AFB                   | F-35A C-130 Ramp                                    | 19,000          | 19,000            |
| Arizona | Luke AFB                      | F-35A Squad Ops #6                                 | 17,000          | 17,000            |
| Arizona | Luke AFB                      | F-35A ARAL AMU 911 Sq 6                            | 23,000          | 23,000            |
| Florida | Eglin AFB                     | F-35A Student Dormitory 11                        | 28,000          | 28,000            |
| Florida | Eglin AFB                     | F-35A Integrated Test Center Academic Bldg         | 34,963          | 34,981            |
| Guam    | Joint Region Marianas        | Hq Guam Munitions Storage Igloos MSA 2             | 9,800           | 9,800             |
| Maryland| Terano                        | AFR—Cape Cod With Training Extension              | 46,000          | 46,000            |
| Maryland| Terano                        | AFR—Mesquite Support Facility                      | 4,700           | 4,700             |
| Maryland| Joint Base Andrews           | Child Development Center                           | 0               | 12,000            |
| Maryland| Joint Base Andrews           | PAR Bolling Has Cape Cod Pad and EOD Range        | 37,000          | 37,000            |
| Massachusetts| Hanscom AFB                  | MIT-Lincoln Laboratory (West Lab CSL/MIF)         | 225,000         | 175,000           |
| Nevada  | Offutt AFB                    | Parking Lot, USSTRATCOM                             | 9,500           | 9,500             |
| New York| Rome Lab                     | Anti-Terrorism Perimeter Security / Entry Control Point | 0               | 14,200            |
| North Dakota | Montana AFB                | Consolidated Interview Ops/AMU and Alert Fire    | 66,000          | 66,000            |
| Ohio    | Wright-Patterson AFB         | ARAL Intelligence Production Complex (KASC)        | 116,100         | 116,100           |
| Oklahoma| Altus AFB                    | KC-46A PTU/PTC Simulator Facility PH 3            | 12,000          | 12,000            |
| Oklahoma| Altus AFB                    | KC-46A Depot Maintenance Hanger                   | 85,000          | 85,000            |
| Utah    | Salt Lake                    | Personal Deployment Processing Facility            | 40,000          | 40,000            |
| South Carolina | Shaw AFB                   | Flightline Support Facilities                      | 30,600          | 30,600            |
| Texas   | Joint Base San Antonio-Lockland | RMT Recruit Dormitory 6                           | 25,000          | 25,000            |
| United Kingdom | Royal Air Force             | F-35A Fuel System Maintenance Dock 2 Bay           | 16,490          | 16,490            |
| United Kingdom | Royal Air Force             | F-35A Packing Area                                 | 27,431          | 27,431            |
| United Kingdom | Royal Air Force              | F-35A AEG Facility                                 | 12,449          | 12,449            |
| United Kingdom | Royal Air Force             | F-35A ARAL Parts Store                            | 13,926          | 13,926            |
| United Kingdom | Royal Air Force             | F-35A 6 Bay Hangars                               | 39,036          | 39,036            |</p>
<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIR FORCE</td>
<td>Royal Air Force</td>
<td>F-35A Dorm</td>
<td>29,541</td>
<td>29,541</td>
</tr>
<tr>
<td>AIR FORCE</td>
<td>Royal Air Force</td>
<td>F-35A ABAD Conventional Maintenance</td>
<td>9,204</td>
<td>9,204</td>
</tr>
<tr>
<td>AIR FORCE</td>
<td>Hill AFB</td>
<td>Composite Aircraft Antenna Calibration Fun</td>
<td>0</td>
<td>26,000</td>
</tr>
<tr>
<td>AIR FORCE</td>
<td>White Sands</td>
<td>ADAL JFRA Ø2 Mission Support Facility</td>
<td>0</td>
<td>14,000</td>
</tr>
<tr>
<td>AIR FORCE</td>
<td>Classified Locations</td>
<td>TAC2008—Utilities and Infrastructure Support</td>
<td>18,000</td>
<td>18,000</td>
</tr>
<tr>
<td>AIR FORCE</td>
<td>Various Worldwide Locations</td>
<td>Planning and Design</td>
<td>0</td>
<td>20,000</td>
</tr>
<tr>
<td>AIR FORCE</td>
<td>Various Worldwide Locations</td>
<td>Planning and Design</td>
<td>195,577</td>
<td>195,577</td>
</tr>
<tr>
<td>AIR FORCE</td>
<td>Various Worldwide Locations</td>
<td>Planning and Design</td>
<td>11,000</td>
<td>11,000</td>
</tr>
<tr>
<td>AIR FORCE</td>
<td>Various Worldwide Locations</td>
<td>Unspecified Minor Military Construction</td>
<td>38,500</td>
<td>38,500</td>
</tr>
<tr>
<td>SUBTOTAL AIR FORCE</td>
<td></td>
<td></td>
<td>1,725,707</td>
<td>1,752,157</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Alabama</td>
<td>Anniston Army Depot Install microgrid</td>
<td>0</td>
<td>20,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Clear AF</td>
<td>Long Range Dropevia Route Sgs Complex Ph2</td>
<td>174,000</td>
<td>200,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Fort Greely</td>
<td>Muscle Field #1 Expansion</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Joint Base Elanruvodf-Richardson</td>
<td>Operations Facility Replacement</td>
<td>0</td>
<td>20,000</td>
</tr>
<tr>
<td>COMMENT:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Little Rock AFB</td>
<td>Hydraul Fuel System Alterations</td>
<td>0</td>
<td>20,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>U.S. Army Garrison Benelux (Chievres)</td>
<td>Europe West District Superintendent's Office</td>
<td>14,000</td>
<td>14,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>30F EO30 Facility—West</td>
<td>3,547</td>
<td>3,547</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>30F Human Performance Training Center—West</td>
<td>9,049</td>
<td>9,049</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>30F NSWGI-2 Operations Support Facility</td>
<td>25,172</td>
<td>25,172</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>30F Close Quarters Combat Facility</td>
<td>15,768</td>
<td>15,768</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>30F APC Applied Instruction Facility</td>
<td>14,819</td>
<td>14,819</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>30F APC Training Facility</td>
<td>18,329</td>
<td>18,329</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>Defense Distribution Depot-Troy</td>
<td>18,800</td>
<td>18,800</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>NSA Vietnam Command</td>
<td>NMI Energy Storage System</td>
<td>6,500</td>
<td>6,500</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Fort Carson</td>
<td>30F Human Performance Training Center</td>
<td>15,297</td>
<td>15,297</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Fort Carson</td>
<td>30F Monticello Training Facility</td>
<td>9,000</td>
<td>9,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>BathUA Complex, Ph2</td>
<td>49,222</td>
<td>49,222</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Leannamar</td>
<td>KTP-Install PV Ground Arroy</td>
<td>0</td>
<td>2,570</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Kaisersheuren AR</td>
<td>30F Joint Paraide Roping Facility</td>
<td>11,304</td>
<td>11,304</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>EBIKE 398B Medical Replacement</td>
<td>Medical Center Replacement Inc. 8</td>
<td>319,589</td>
<td>319,589</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>Clay County Elementary School</td>
<td>56,648</td>
<td>56,648</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>NSA Whale Creek</td>
<td>Energy Management Control Systems (EMS)</td>
<td>0</td>
<td>2,220</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Naval Base Guam</td>
<td>P-681 XBR 74 Facilities Automated Controls</td>
<td>0</td>
<td>4,614</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Naval Base Guam</td>
<td>Working Day Treatment Facility Replacement</td>
<td>9,090</td>
<td>9,090</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Bellows AFB</td>
<td>Expanded PV and provide energy resilience to fire control system</td>
<td>0</td>
<td>2,944</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>Reckled Elementary School</td>
<td>94,851</td>
<td>94,851</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Fort Campbell</td>
<td>Fort Pace</td>
<td>33,300</td>
<td>33,300</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Keneda AR</td>
<td>Training Subsal Facilities</td>
<td>21,400</td>
<td>21,400</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Kaisersheuren</td>
<td>Kaisersheuren Medical School</td>
<td>170,589</td>
<td>40,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>Clay County Elementary School</td>
<td>56,648</td>
<td>56,648</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>Defense Distribution Depot-Troy</td>
<td>18,800</td>
<td>18,800</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>Defense Distribution Depot-Troy</td>
<td>18,800</td>
<td>18,800</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>Defense Distribution Depot-Troy</td>
<td>18,800</td>
<td>18,800</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Pendleton</td>
<td>Defense Distribution Depot-Troy</td>
<td>18,800</td>
<td>18,800</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installations</th>
<th>Project Title</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEFENSE-WIDE</td>
<td>Fort Campbell</td>
<td>SOF Multi-Use Helicopter Training Facility</td>
<td>5,138</td>
<td>5,138</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Louisiana</td>
<td>In-House Processing Facility</td>
<td>0</td>
<td>5,138</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>New Orleans</td>
<td>Consolidated Warehouse Replacement</td>
<td>11,600</td>
<td>11,600</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Maryland</td>
<td>Consolidated Warehouse Replacement</td>
<td>11,600</td>
<td>11,600</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Fort Bragg</td>
<td>SOF Replace Training Maze and Towers</td>
<td>12,109</td>
<td>12,109</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Fort Bragg</td>
<td>SOF-SEEQ Residence Training Lab Complex</td>
<td>20,577</td>
<td>20,577</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>New Jersey</td>
<td>BothCare Centers/Dental Clinic Replacement</td>
<td>32,580</td>
<td>32,580</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Virginia</td>
<td>Electrical Hardening and Black Start CHP System</td>
<td>0</td>
<td>22,402</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Camp Mohney</td>
<td>Install Improvements</td>
<td>0</td>
<td>5,500</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Joint Base San Antonio</td>
<td>Energy Aerospace Operations Facility</td>
<td>10,200</td>
<td>10,200</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Red River Army Depot</td>
<td>General Purpose Warehouse</td>
<td>71,500</td>
<td>71,500</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>United Kingdom</td>
<td>Ambulatory Care Center Addition/Alteration</td>
<td>10,000</td>
<td>0</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Virginia</td>
<td>SOF Magazines</td>
<td>8,959</td>
<td>8,959</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Fort A.P. Hill</td>
<td>Training Complex</td>
<td>11,734</td>
<td>11,734</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Fort Bragg</td>
<td>SOF Magazine</td>
<td>6,127</td>
<td>6,127</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Blackhorse Army Engineer</td>
<td>Maintenance and Supply Facility</td>
<td>20,257</td>
<td>20,257</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Joint Base Longley-Ends</td>
<td>Fuel Facilities Replacement</td>
<td>6,900</td>
<td>6,900</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Joint Base Longley-Ends</td>
<td>Ground Vehicle Fueling Facility Replacement</td>
<td>5,800</td>
<td>5,800</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>NAS Oceana</td>
<td>Super Flight Line Electrical Distribution System (PFLEDS)</td>
<td>0</td>
<td>2,520</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Pueblo</td>
<td>North Village VACP &amp; Fencing</td>
<td>11,200</td>
<td>11,200</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Washington</td>
<td>Extreme Infrastructural &amp; Security Improvements</td>
<td>23,650</td>
<td>23,650</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Joint Base Lewis-McChord</td>
<td>Refueling Facility</td>
<td>26,200</td>
<td>26,200</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Planning and Design—ERCIP</td>
<td>0</td>
<td>5,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Planning and Design—ERCIP</td>
<td>55,925</td>
<td>55,925</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Planning and Design—ERCIP</td>
<td>496</td>
<td>496</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Unspecified Minor Construction</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Planning and Design—ERCIP</td>
<td>14,184</td>
<td>14,184</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Unspecified Minor Construction</td>
<td>15,642</td>
<td>15,642</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Unspecified Minor Construction</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Energy Resilience and Conservation Improvements</td>
<td>150,000</td>
<td>150,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Contingency Construction</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Unspecified Minor Construction</td>
<td>2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Planning and Design—ERCIP</td>
<td>1,000</td>
<td>1,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Planning and Design—ERCIP</td>
<td>14,300</td>
<td>14,300</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Planning and Design—ERCIP</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Exercise Related Minor Construction</td>
<td>32,479</td>
<td>32,479</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Planning and Design—ERCIP</td>
<td>2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Worldwide</td>
<td>Planning and Design—ERCIP</td>
<td>42,765</td>
<td>42,765</td>
</tr>
<tr>
<td>Account</td>
<td>State/Country and Installation</td>
<td>Project Title</td>
<td>FY 2019 Request</td>
<td>Senate Authorized</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------------------------------</td>
<td>--------------------------------------</td>
<td>-----------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Various Worldwide Locations</td>
<td>Unspecified Minor Construction</td>
<td>17,366</td>
<td>17,366</td>
</tr>
<tr>
<td>DEFENSE-WIDE</td>
<td>Various Worldwide Locations</td>
<td>Planning and Design</td>
<td>55,699</td>
<td>55,699</td>
</tr>
<tr>
<td><strong>SUBTOTAL DEFENSE-WIDE</strong></td>
<td></td>
<td></td>
<td><strong>2,693,324</strong></td>
<td><strong>2,403,288</strong></td>
</tr>
<tr>
<td>ARMY NATIONAL GUARD</td>
<td>Alaska</td>
<td>United States Property &amp; Fiscal Office</td>
<td>27,000</td>
<td>27,000</td>
</tr>
<tr>
<td>ARMY NATIONAL GUARD</td>
<td>Indiana</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY NATIONAL GUARD</td>
<td>Illinois</td>
<td>Automated Record Fire Range</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>ARMY NATIONAL GUARD</td>
<td>Montana</td>
<td>National Guard Readiness Center</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>ARMY NATIONAL GUARD</td>
<td>Nevada</td>
<td>North Las Vegas National Guard</td>
<td>32,000</td>
<td>32,000</td>
</tr>
<tr>
<td>ARMY NATIONAL GUARD</td>
<td>New Hampshire</td>
<td>National Guard Readiness Center</td>
<td>12,000</td>
<td>12,000</td>
</tr>
<tr>
<td>ARMY NATIONAL GUARD</td>
<td>North Dakota</td>
<td>National Guard Readiness Center</td>
<td>32,000</td>
<td>32,000</td>
</tr>
<tr>
<td>ARMY NATIONAL GUARD</td>
<td>Oklahoma</td>
<td>Aircraft vehicle storage building</td>
<td>0</td>
<td>11,000</td>
</tr>
<tr>
<td>ARMY NATIONAL GUARD</td>
<td>Oregon</td>
<td>Tactical unmanned aerial vehicle hangar</td>
<td>0</td>
<td>11,000</td>
</tr>
<tr>
<td>ARMY NATIONAL GUARD</td>
<td>South Dakota</td>
<td>National Guard Readiness Center</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>ARMY NATIONAL GUARD</td>
<td>Texas</td>
<td>Unheated vehicle storage (aircraft)</td>
<td>0</td>
<td>13,000</td>
</tr>
<tr>
<td>ARMY NATIONAL GUARD</td>
<td>Virginia</td>
<td>Army aviation support facility</td>
<td>0</td>
<td>89,000</td>
</tr>
<tr>
<td>ARMY NATIONAL GUARD</td>
<td>Worldwide Unspecified</td>
<td>Unspecified Minor Construction</td>
<td>18,100</td>
<td>18,100</td>
</tr>
<tr>
<td><strong>SUBTOTAL ARMY NATIONAL GUARD</strong></td>
<td></td>
<td></td>
<td><strong>180,122</strong></td>
<td><strong>306,122</strong></td>
</tr>
<tr>
<td>AIR NATIONAL GUARD</td>
<td>California</td>
<td>Conduct C-130J Flight Simulator Facility</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td>AIR NATIONAL GUARD</td>
<td>Hawaii</td>
<td>Conduct Addition to F-22 LO/CRF E2008</td>
<td>17,000</td>
<td>17,000</td>
</tr>
<tr>
<td>AIR NATIONAL GUARD</td>
<td>Louisiana</td>
<td>Conduct New Fire Crash/Rescue Station</td>
<td>9,000</td>
<td>9,000</td>
</tr>
<tr>
<td>AIR NATIONAL GUARD</td>
<td>Mississippi</td>
<td>NORADMIL—Construct Alert Apron</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>AIR NATIONAL GUARD</td>
<td>Pennsylvania</td>
<td>Replace Operations Training/Dining Hall</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td>AIR NATIONAL GUARD</td>
<td>Puerto Rico</td>
<td>Hurricane Maria—Communications Facility</td>
<td>0</td>
<td>13,000</td>
</tr>
<tr>
<td>AIR NATIONAL GUARD</td>
<td>Virgin Islands</td>
<td>Hurricane Maria—Maintenance Hangar</td>
<td>0</td>
<td>33,000</td>
</tr>
<tr>
<td>Account</td>
<td>State/Country and Installation</td>
<td>Project Title</td>
<td>FY 2019 Request</td>
<td>Senate Authorized</td>
</tr>
<tr>
<td>------------------------------</td>
<td>--------------------------------</td>
<td>---------------------------------------------------</td>
<td>-----------------</td>
<td>------------------</td>
</tr>
<tr>
<td>AIR NATIONAL GUARD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joint Base Langley-Eustis</td>
<td>Worldwide Unspecified</td>
<td>Conduct Cyber Ops Facility</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>AIR NATIONAL GUARD</td>
<td>Worldwide Unspecified</td>
<td>Planning and Design</td>
<td>0</td>
<td>4,000</td>
</tr>
<tr>
<td>AIR NATIONAL GUARD</td>
<td>Various Worldwide Locations</td>
<td></td>
<td>23,626</td>
<td>23,626</td>
</tr>
<tr>
<td>AIR NATIONAL GUARD</td>
<td>Various Worldwide Locations</td>
<td>Planning and Design</td>
<td>16,500</td>
<td>16,500</td>
</tr>
<tr>
<td><strong>SUBTOTAL AIR NATIONAL GUARD</strong></td>
<td></td>
<td></td>
<td>129,126</td>
<td>183,126</td>
</tr>
<tr>
<td>ARMY RESERVE</td>
<td>California</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY RESERVE</td>
<td>California</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY RESERVE</td>
<td>Wisconsin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY RESERVE</td>
<td>Post Mc Coy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY RESERVE</td>
<td>Worldwide Unspecified</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY RESERVE</td>
<td>Planning and Design</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL ARMY RESERVE</strong></td>
<td></td>
<td></td>
<td>64,919</td>
<td>64,919</td>
</tr>
<tr>
<td>NAVY RESERVE</td>
<td>California</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NAVY RESERVE</td>
<td>California</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NAVY RESERVE</td>
<td>Georgia</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NAVY RESERVE</td>
<td>Wisconsin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NAVY RESERVE</td>
<td>Worldwide Unspecified</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NAVY RESERVE</td>
<td>Planning and Design</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL NAVY RESERVE</strong></td>
<td></td>
<td></td>
<td>43,065</td>
<td>43,065</td>
</tr>
<tr>
<td>AIR FORCE RESERVE</td>
<td>Indiana</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIR FORCE RESERVE</td>
<td>Indiana</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIR FORCE RESERVE</td>
<td>Mississippi</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIR FORCE RESERVE</td>
<td>Missouri</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIR FORCE RESERVE</td>
<td>New York</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIR FORCE RESERVE</td>
<td>Texas</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIR FORCE RESERVE</td>
<td>Worldwide Unspecified</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL AIR FORCE RESERVE</strong></td>
<td></td>
<td></td>
<td>50,163</td>
<td>64,563</td>
</tr>
<tr>
<td>NATO SECURITY INVESTMENT PROGRAM</td>
<td>Worldwide Unspecified</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NATO SECURITY INVESTMENT PROGRAM</td>
<td>Worldwide Unspecified</td>
<td>NATO Security Investment Program</td>
<td>171,064</td>
<td>171,064</td>
</tr>
<tr>
<td><strong>SUBTOTAL NATO SECURITY INVESTMENT PROGRAM</strong></td>
<td></td>
<td></td>
<td>171,064</td>
<td>171,064</td>
</tr>
<tr>
<td><strong>TOTAL MILITARY CONSTRUCTION</strong></td>
<td></td>
<td></td>
<td>8,612,447</td>
<td>8,680,424</td>
</tr>
<tr>
<td>Account</td>
<td>State/Country and Installation</td>
<td>Project Title</td>
<td>FY 2019 Request</td>
<td>Senate Authorized</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>---------------------------------</td>
<td>----------------------------------------</td>
<td>-----------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>CONSTRUCTION, ARMY</td>
<td>Germany, Baumholder</td>
<td>Family Housing Improvements</td>
<td>32,000</td>
<td>32,000</td>
</tr>
<tr>
<td></td>
<td>Italy, Vicenza</td>
<td>Family Housing New Construction</td>
<td>95,134</td>
<td>95,134</td>
</tr>
<tr>
<td></td>
<td>Korea, Camp Humphreos</td>
<td>Family Housing New Construction Incr 3</td>
<td>85,000</td>
<td>85,000</td>
</tr>
<tr>
<td>CONSTRUCTION, ARMY</td>
<td>Camp Walker</td>
<td>Family Housing Replacement Construction</td>
<td>68,000</td>
<td>68,000</td>
</tr>
<tr>
<td>CONSTRUCTION, ARMY</td>
<td>Puerto Rico</td>
<td></td>
<td>26,000</td>
<td>26,000</td>
</tr>
<tr>
<td>CONSTRUCTION, ARMY</td>
<td>Vicenza</td>
<td></td>
<td>6,200</td>
<td>6,200</td>
</tr>
<tr>
<td>CONSTRUCTION, ARMY</td>
<td>Worldwide Unspecified</td>
<td>P &amp; D</td>
<td>15,326</td>
<td>15,326</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL CONSTRUCTION, ARMY</strong></td>
<td><strong>330,660</strong></td>
<td><strong>330,660</strong></td>
</tr>
<tr>
<td></td>
<td>Worldwide Unspecified</td>
<td>Management</td>
<td>36,302</td>
<td>36,302</td>
</tr>
<tr>
<td>OPERATION AND MAINTENANCE, ARMY</td>
<td>Unspecified Worldwide Locations</td>
<td>Services</td>
<td>19,502</td>
<td>19,502</td>
</tr>
<tr>
<td></td>
<td>Unspecified Worldwide Locations</td>
<td>Furnishings</td>
<td>15,642</td>
<td>15,642</td>
</tr>
<tr>
<td></td>
<td>Unspecified Worldwide Locations</td>
<td>furnishings</td>
<td>408</td>
<td>408</td>
</tr>
<tr>
<td></td>
<td>Unspecified Worldwide Locations</td>
<td>Maintenance</td>
<td>75,350</td>
<td>75,350</td>
</tr>
<tr>
<td></td>
<td>Unspecified Worldwide Locations</td>
<td>Utilities</td>
<td>52,972</td>
<td>52,972</td>
</tr>
<tr>
<td></td>
<td>Unspecified Worldwide Locations</td>
<td>Leasing</td>
<td>161,252</td>
<td>161,252</td>
</tr>
<tr>
<td></td>
<td>Unspecified Worldwide Locations</td>
<td>Housing Privitization Support</td>
<td>18,801</td>
<td>18,801</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL OPERATION AND MAINTENANCE, ARMY</strong></td>
<td><strong>376,509</strong></td>
<td><strong>376,509</strong></td>
</tr>
<tr>
<td>CONSTRUCTION, NAVY AND MARINE CORPS</td>
<td>Marian Islands</td>
<td>Replace Andersen Housing PH III</td>
<td>83,444</td>
<td>83,444</td>
</tr>
<tr>
<td>CONSTRUCTION, NAVY AND MARINE CORPS</td>
<td>Worldwide Unspecified</td>
<td>Improvements, Washington DC</td>
<td>16,638</td>
<td>16,638</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL CONSTRUCTION, NAVY AND MARINE CORPS</strong></td>
<td><strong>104,581</strong></td>
<td><strong>104,581</strong></td>
</tr>
<tr>
<td>OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS</td>
<td>Worldwide Unspecified</td>
<td>Utilities</td>
<td>60,252</td>
<td>60,252</td>
</tr>
<tr>
<td>OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS</td>
<td>Unspecified Worldwide Locations</td>
<td>Utilities</td>
<td>16,295</td>
<td>16,295</td>
</tr>
<tr>
<td>Account</td>
<td>State/Country and Installation</td>
<td>Project Title</td>
<td>FY 2019 Request</td>
<td>Senate Authorized</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>---------------------------------</td>
<td>--------------------------------</td>
<td>-----------------</td>
<td>-------------------</td>
</tr>
<tr>
<td><strong>OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Management</td>
<td></td>
<td>56,870</td>
<td>56,870</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Mueillians</td>
<td></td>
<td>148</td>
<td>148</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Services</td>
<td></td>
<td>16,262</td>
<td>16,262</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Leasing</td>
<td></td>
<td>62,515</td>
<td>62,515</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Maintenance</td>
<td></td>
<td>86,328</td>
<td>86,328</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Housing Privatization Support</td>
<td></td>
<td>21,767</td>
<td>21,767</td>
</tr>
<tr>
<td><strong>SUBTOTAL OPERATION AND MAINTENANCE, NAVY AND MARINE CORPS</strong></td>
<td></td>
<td></td>
<td>314,536</td>
<td>314,536</td>
</tr>
<tr>
<td><strong>CONSTRUCTION, AIR FORCE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Construction Improvements</td>
<td></td>
<td>75,247</td>
<td>75,247</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Planning &amp; Design</td>
<td></td>
<td>3,199</td>
<td>3,199</td>
</tr>
<tr>
<td><strong>SUBTOTAL CONSTRUCTION, AIR FORCE</strong></td>
<td></td>
<td></td>
<td>78,446</td>
<td>78,446</td>
</tr>
<tr>
<td><strong>OPERATION AND MAINTENANCE, AIR FORCE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Housing Privatization</td>
<td></td>
<td>22,205</td>
<td>22,205</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Utilities</td>
<td></td>
<td>46,566</td>
<td>46,566</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Management</td>
<td></td>
<td>54,423</td>
<td>54,423</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Services</td>
<td></td>
<td>13,669</td>
<td>13,669</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Furnishings</td>
<td></td>
<td>30,645</td>
<td>30,645</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Mueillians</td>
<td></td>
<td>2,171</td>
<td>2,171</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Leasing</td>
<td></td>
<td>15,832</td>
<td>15,832</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Maintenance</td>
<td></td>
<td>129,763</td>
<td>129,763</td>
</tr>
<tr>
<td><strong>SUBTOTAL OPERATION AND MAINTENANCE, AIR FORCE</strong></td>
<td></td>
<td></td>
<td>317,274</td>
<td>317,274</td>
</tr>
<tr>
<td><strong>OPERATION AND MAINTENANCE, DEFENSE-WIDE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Utilities</td>
<td></td>
<td>4,100</td>
<td>4,100</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Furnishings</td>
<td></td>
<td>416</td>
<td>416</td>
</tr>
<tr>
<td>Unspecified Worldwide Locations</td>
<td>Utilities</td>
<td></td>
<td>106</td>
<td>106</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
### SEC. 4601. MILITARY CONSTRUCTION

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPERATION AND MAINTENANCE, DEFENSE-WIDE</td>
<td>Unspecified Worldwide Locations</td>
<td>Leasing</td>
<td>15,046</td>
<td>15,046</td>
</tr>
<tr>
<td>OPERATION AND MAINTENANCE, DEFENSE-WIDE</td>
<td>Unspecified Worldwide Locations</td>
<td>Maintenance</td>
<td>121</td>
<td>121</td>
</tr>
<tr>
<td>OPERATION AND MAINTENANCE, DEFENSE-WIDE</td>
<td>Unspecified Worldwide Locations</td>
<td>Furnishings</td>
<td>643</td>
<td>643</td>
</tr>
<tr>
<td>OPERATION AND MAINTENANCE, DEFENSE-WIDE</td>
<td>Unspecified Worldwide Locations</td>
<td>Leasing</td>
<td>38,232</td>
<td>38,232</td>
</tr>
<tr>
<td>OPERATION AND MAINTENANCE, DEFENSE-WIDE</td>
<td>Unspecified Worldwide Locations</td>
<td>Furnishings</td>
<td>643</td>
<td>643</td>
</tr>
<tr>
<td>OPERATION AND MAINTENANCE, DEFENSE-WIDE</td>
<td>Unspecified Worldwide Locations</td>
<td>Services</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>OPERATION AND MAINTENANCE, DEFENSE-WIDE</td>
<td>Unspecified Worldwide Locations</td>
<td>Utilities</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>OPERATION AND MAINTENANCE, DEFENSE-WIDE</td>
<td>Unspecified Worldwide Locations</td>
<td>Maintenance</td>
<td>1,542</td>
<td>1,542</td>
</tr>
<tr>
<td>OPERATION AND MAINTENANCE, DEFENSE-WIDE</td>
<td>Unspecified Worldwide Locations</td>
<td>Management</td>
<td>155</td>
<td>155</td>
</tr>
</tbody>
</table>

**SUBTOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE** | 58,373 | 58,373 |

**IMPROVEMENT FUND**

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMPROVEMENT FUND</td>
<td>Worldwide Unspecified Locations</td>
<td>Administrative Expenses—FHIF</td>
<td>1,653</td>
<td>1,653</td>
</tr>
</tbody>
</table>

**SUBTOTAL IMPROVEMENT FUND** | 1,653 | 1,653 |

**UNACCMP HSG IMPRV FUND**

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNACCMP HSG IMPRV FUND</td>
<td>Unaccompanied Housing Improvement Fund</td>
<td>Administrative Expenses—UHIF</td>
<td>600</td>
<td>600</td>
</tr>
</tbody>
</table>

**SUBTOTAL UNACCMP HSG IMPRV FUND** | 600 | 600 |

**TOTAL FAMILY HOUSING** | 1,582,632 | 1,582,632 |

**DEFENSE BASE REALIGNMENT AND CLOSURE**

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARMY</td>
<td>Worldwide Unspecified Locations</td>
<td>Base Realignment &amp; Closure—Army</td>
<td>62,796</td>
<td>62,796</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVY</td>
<td>Unspecified Worldwide Locations</td>
<td>Base Realignment &amp; Closure</td>
<td>151,839</td>
<td>151,839</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIR FORCE</td>
<td>Worldwide Unspecified Locations</td>
<td>DoD BRAC Activities—Air Force</td>
<td>52,903</td>
<td>52,903</td>
</tr>
</tbody>
</table>

**TOTAL DEFENSE BASE REALIGNMENT AND CLOSURE** | 267,538 | 267,538 |

**TOTAL MILITARY CONSTRUCTION, FAMILY HOUSING, AND BRAC** | 10,462,617 | 10,530,594 |
### SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS

**In Thousands of Dollars**

<table>
<thead>
<tr>
<th>Account</th>
<th>State or Country and Installation</th>
<th>Project Title</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MILITARY CONSTRUCTION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ARMY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulgaria</td>
<td>Neo Sofia PDS</td>
<td>Ammunition Holding Area</td>
<td>5,200</td>
<td>5,200</td>
</tr>
<tr>
<td>Guantanamo Bay, Cuba</td>
<td>OCO: High Value Detention Facility</td>
<td>69,000</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Poland</td>
<td>Dolniany Panwutschi Training Area</td>
<td>Shaping Areas</td>
<td>17,000</td>
<td>17,000</td>
</tr>
<tr>
<td>Powidz, AB</td>
<td>EDI: Rail Extension &amp; Railhead</td>
<td>11,000</td>
<td>11,000</td>
<td></td>
</tr>
<tr>
<td>Powidz, AB</td>
<td>EDI: Ammunition Storage Facility</td>
<td>52,000</td>
<td>52,000</td>
<td></td>
</tr>
<tr>
<td>Powidz, AB</td>
<td>EDI: Bulk Fuel Storage</td>
<td>23,000</td>
<td>23,000</td>
<td></td>
</tr>
<tr>
<td>Zagan Training Area</td>
<td>EDI: Rail Extension and Railhead</td>
<td>6,400</td>
<td>6,400</td>
<td></td>
</tr>
<tr>
<td>Zagan Training Area</td>
<td>EDI: Shaping Areas</td>
<td>34,000</td>
<td>34,000</td>
<td></td>
</tr>
<tr>
<td>Romania</td>
<td>Mihail Kogalniceanu FOS</td>
<td>EDI: Explosives &amp; Ammu Load/Unload Area</td>
<td>21,651</td>
<td>21,651</td>
</tr>
<tr>
<td><strong>NAVY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Greece</td>
<td>Souda Bay</td>
<td>Naval Logistics Support Center</td>
<td>6,200</td>
<td>6,200</td>
</tr>
<tr>
<td>Italy</td>
<td>Segovilla</td>
<td>P-8A Taxiway</td>
<td>66,050</td>
<td>66,050</td>
</tr>
<tr>
<td>Spain</td>
<td>Rotu</td>
<td>Post Operations Facilities</td>
<td>21,590</td>
<td>21,590</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Lossiemouth</td>
<td>P-8 Base Improvements</td>
<td>79,130</td>
<td>79,130</td>
</tr>
<tr>
<td><strong>AIR FORCE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td>Ramstein AB</td>
<td>KMC DABS-FEV/RH Storage Warehouses</td>
<td>119,000</td>
<td>119,000</td>
</tr>
<tr>
<td>Norway</td>
<td>Rygge AS</td>
<td>Construct Taxiway</td>
<td>13,800</td>
<td>13,800</td>
</tr>
<tr>
<td>Slovakia</td>
<td>Malacky AB</td>
<td>Regional Munitions Storage Area</td>
<td>59,000</td>
<td>59,000</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>RAF Fairford</td>
<td>Construct DABS-FEV Storage</td>
<td>87,000</td>
<td>87,000</td>
</tr>
<tr>
<td><strong>DEFENSE-WIDE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estonia</td>
<td>Unspecified Estonia</td>
<td>SOF Training Facility</td>
<td>9,600</td>
<td>9,600</td>
</tr>
<tr>
<td>Qatar</td>
<td>Unspecified WorldWide</td>
<td>OCO: Trans-Regional Logistics Complex</td>
<td>60,000</td>
<td>60,000</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Unspecified WorldWide</td>
<td>Planning and Design</td>
<td>4,250</td>
<td>4,250</td>
</tr>
</tbody>
</table>

**SUBTOTAL ARMY** | 261,250 | 192,250 |

**NAVY** | 227,320 | 227,320 |

**AIR FORCE** | 345,800 | 345,800 |

**DEFENSE-WIDE** | 87,050 | 87,050 |

**TOTAL MILITARY CONSTRUCTION** | 921,420 | 852,420 |

**TOTAL MILITARY CONSTRUCTION, FAMILY HOUSING, AND BRAC** | 921,420 | 852,420 |
### TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

#### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuclear Energy</td>
<td>136,090</td>
<td>136,090</td>
</tr>
<tr>
<td>National nuclear security administration:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weapons activities</td>
<td>11,017,078</td>
<td>11,017,078</td>
</tr>
<tr>
<td>Defense nuclear nonproliferation</td>
<td>1,862,825</td>
<td>1,862,825</td>
</tr>
<tr>
<td>Naval reactors</td>
<td>1,788,618</td>
<td>1,788,618</td>
</tr>
<tr>
<td>Federal salaries and expenses</td>
<td>422,529</td>
<td>422,529</td>
</tr>
<tr>
<td>Total, National nuclear security administration</td>
<td>15,091,050</td>
<td>15,091,050</td>
</tr>
<tr>
<td>Environmental and other defense activities:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Defense environmental cleanup</td>
<td>5,630,217</td>
<td>5,630,217</td>
</tr>
<tr>
<td>Other defense activities</td>
<td>853,300</td>
<td>853,300</td>
</tr>
<tr>
<td>Defense nuclear waste disposal</td>
<td>30,000</td>
<td>0</td>
</tr>
<tr>
<td>Total, Environmental &amp; other defense activities</td>
<td>6,513,517</td>
<td>6,483,517</td>
</tr>
<tr>
<td>Total, Atomic Energy Defense Activities</td>
<td>21,604,567</td>
<td>21,574,567</td>
</tr>
<tr>
<td>Total, Discretionary Funding</td>
<td>21,740,657</td>
<td>21,710,657</td>
</tr>
<tr>
<td>Idaho site wide safeguards and security</td>
<td>136,090</td>
<td>136,090</td>
</tr>
<tr>
<td>Total, Nuclear Energy</td>
<td>136,090</td>
<td>136,090</td>
</tr>
<tr>
<td>Directed stockpile work</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Life extension programs and major alterations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R61 Life extension program</td>
<td>794,049</td>
<td>794,049</td>
</tr>
<tr>
<td>Split sub W76-1 and W76-2 lines</td>
<td>[-113,888]</td>
<td>[-113,888]</td>
</tr>
<tr>
<td>W76-1 Life extension program</td>
<td>0</td>
<td>48,888</td>
</tr>
<tr>
<td>Complete W76-1 life extension</td>
<td>[48,888]</td>
<td>[48,888]</td>
</tr>
<tr>
<td>W80-4 Life extension program</td>
<td>654,766</td>
<td>654,766</td>
</tr>
<tr>
<td>W87-1 Life extension program</td>
<td>53,000</td>
<td>53,000</td>
</tr>
<tr>
<td>Total, Life extension programs and major alterations</td>
<td>1,919,988</td>
<td>1,919,988</td>
</tr>
<tr>
<td>Stockpile systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R61 Stockpile systems</td>
<td>64,547</td>
<td>64,547</td>
</tr>
<tr>
<td>W76 Stockpile systems</td>
<td>94,300</td>
<td>94,300</td>
</tr>
<tr>
<td>W78 Stockpile systems</td>
<td>81,329</td>
<td>81,329</td>
</tr>
<tr>
<td>W80 Stockpile systems</td>
<td>80,204</td>
<td>80,204</td>
</tr>
<tr>
<td>B83 Stockpile systems</td>
<td>35,082</td>
<td>35,082</td>
</tr>
<tr>
<td>W87 Stockpile systems</td>
<td>65,482</td>
<td>65,482</td>
</tr>
<tr>
<td>W88 Stockpile systems</td>
<td>53,000</td>
<td>53,000</td>
</tr>
<tr>
<td>Total, Stockpile systems</td>
<td>619,482</td>
<td>619,482</td>
</tr>
<tr>
<td>Weapons dismantlement and disposition</td>
<td>56,000</td>
<td>56,000</td>
</tr>
<tr>
<td>Stockpile services</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

† HR 5515 PAP
### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

(2019) "Programs and Activities" (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Research, development, test and evaluation (RDT&amp;E)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced certification</td>
<td>57,710</td>
<td>57,710</td>
</tr>
<tr>
<td>Primary assessment technologies</td>
<td>95,057</td>
<td>95,057</td>
</tr>
<tr>
<td>Dynamic materials properties</td>
<td>131,000</td>
<td>131,000</td>
</tr>
<tr>
<td>Advanced radiography</td>
<td>32,544</td>
<td>32,544</td>
</tr>
<tr>
<td>Secondary assessment technologies</td>
<td>77,553</td>
<td>77,553</td>
</tr>
<tr>
<td>Academic alliances and partnerships</td>
<td>53,364</td>
<td>53,364</td>
</tr>
<tr>
<td>Enhanced Capabilities for Subcritical Experiments</td>
<td>117,632</td>
<td>117,632</td>
</tr>
<tr>
<td><strong>Total, Science</strong></td>
<td>564,860</td>
<td>564,860</td>
</tr>
<tr>
<td><strong>Engineering</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enhanced safety</td>
<td>43,226</td>
<td>43,226</td>
</tr>
<tr>
<td>Weapon systems engineering assessment technology</td>
<td>27,536</td>
<td>27,536</td>
</tr>
<tr>
<td>Nuclear survivability</td>
<td>48,230</td>
<td>48,230</td>
</tr>
<tr>
<td>Enhanced surveillance</td>
<td>58,375</td>
<td>58,375</td>
</tr>
<tr>
<td>Stockpile Reassessment</td>
<td>14,000</td>
<td>14,000</td>
</tr>
<tr>
<td><strong>Total, Engineering</strong></td>
<td>211,367</td>
<td>211,367</td>
</tr>
<tr>
<td><strong>Inertial confinement fusion ignition and high yield</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ignition</td>
<td>22,434</td>
<td>22,434</td>
</tr>
<tr>
<td>Support of other stockpile programs</td>
<td>17,397</td>
<td>17,397</td>
</tr>
<tr>
<td>Diagnostics, repairs, and experimental support</td>
<td>51,453</td>
<td>51,453</td>
</tr>
<tr>
<td>Pulsed power inertial confinement fusion</td>
<td>8,310</td>
<td>8,310</td>
</tr>
<tr>
<td>Facility operations and target production</td>
<td>319,333</td>
<td>319,333</td>
</tr>
<tr>
<td><strong>Total, Inertial confinement fusion and high yield</strong></td>
<td>418,927</td>
<td>418,927</td>
</tr>
<tr>
<td><strong>Advanced simulation and computing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced simulation and computing</td>
<td>656,401</td>
<td>656,401</td>
</tr>
<tr>
<td><strong>Construction</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25–D–670, Exascale Class Computer Cooling Equipment, LLNL</td>
<td>24,000</td>
<td>24,000</td>
</tr>
<tr>
<td>18–D–670, Exascale Computing Facility Modernization Project, LLNL</td>
<td>23,000</td>
<td>23,000</td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td>47,000</td>
<td>47,000</td>
</tr>
<tr>
<td><strong>Total, Advanced simulation and computing</strong></td>
<td>703,401</td>
<td>703,401</td>
</tr>
<tr>
<td><strong>Advanced manufacturing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Additive manufacturing</td>
<td>17,447</td>
<td>17,447</td>
</tr>
<tr>
<td>Component manufacturing development</td>
<td>48,477</td>
<td>48,477</td>
</tr>
<tr>
<td>Process technology development</td>
<td>30,914</td>
<td>30,914</td>
</tr>
<tr>
<td><strong>Total, Advanced manufacturing</strong></td>
<td>96,838</td>
<td>96,838</td>
</tr>
<tr>
<td><strong>Total, RDT&amp;E</strong></td>
<td>1,995,893</td>
<td>1,995,893</td>
</tr>
</tbody>
</table>

### Infrastructure and operations

<table>
<thead>
<tr>
<th>Operations</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operations</td>
<td>891,000</td>
<td>891,000</td>
</tr>
<tr>
<td>Safety and environmental operations</td>
<td>115,000</td>
<td>115,000</td>
</tr>
<tr>
<td>Maintenance and repair of facilities</td>
<td>365,000</td>
<td>365,000</td>
</tr>
<tr>
<td><strong>Recapitalization</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infrastructure and safety</td>
<td>431,631</td>
<td>431,631</td>
</tr>
<tr>
<td>Capability based investments</td>
<td>109,057</td>
<td>109,057</td>
</tr>
<tr>
<td><strong>Total, Recapitalization</strong></td>
<td>540,688</td>
<td>540,688</td>
</tr>
</tbody>
</table>

Program increase to address high-priority deferred maintenance
### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19–D–670, 138kV Power Transmission System Replacement, NNSS</td>
<td>6,000</td>
<td>6,000</td>
</tr>
<tr>
<td>19–D–660, Lithium Production Capability, Y–12</td>
<td>19,000</td>
<td>19,000</td>
</tr>
<tr>
<td>18–D–650, Tritium Production Capability, SRS</td>
<td>27,000</td>
<td>27,000</td>
</tr>
<tr>
<td>17–D–640, U1 Complex Enhancements Project, NNSS</td>
<td>53,000</td>
<td>53,000</td>
</tr>
<tr>
<td>16–D–515, Albuquerque complex project</td>
<td>47,953</td>
<td>47,953</td>
</tr>
<tr>
<td>06–D–141 Uranium processing facility Y–12, Oak Ridge, TX</td>
<td>703,000</td>
<td>703,000</td>
</tr>
<tr>
<td>04–D–125 Chemistry and metallurgy research facility replacement project, LASL</td>
<td>235,095</td>
<td>235,095</td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td><strong>1,091,048</strong></td>
<td><strong>1,091,048</strong></td>
</tr>
<tr>
<td><strong>Total, Infrastructure and operations</strong></td>
<td><strong>3,002,736</strong></td>
<td><strong>3,002,736</strong></td>
</tr>
<tr>
<td><strong>Secure transportation asset</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operations and equipment</td>
<td>176,637</td>
<td>176,637</td>
</tr>
<tr>
<td>Program direction</td>
<td>102,022</td>
<td>102,022</td>
</tr>
<tr>
<td><strong>Total, Secure transportation asset</strong></td>
<td><strong>278,659</strong></td>
<td><strong>278,659</strong></td>
</tr>
<tr>
<td><strong>Defense nuclear security</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operations and maintenance</td>
<td>690,638</td>
<td>690,638</td>
</tr>
<tr>
<td><strong>Total, Defense nuclear security</strong></td>
<td><strong>690,638</strong></td>
<td><strong>690,638</strong></td>
</tr>
<tr>
<td>Information technology and cybersecurity</td>
<td>231,175</td>
<td>231,175</td>
</tr>
<tr>
<td>Legacy contractor pensions</td>
<td>162,292</td>
<td>162,292</td>
</tr>
<tr>
<td><strong>Total, Weapons Activities</strong></td>
<td><strong>11,017,078</strong></td>
<td><strong>11,017,078</strong></td>
</tr>
</tbody>
</table>

#### Defense Nuclear Nonproliferation

- **Defense Nuclear Nonproliferation Programs**
  - **Global material security**
    - International nuclear security | 46,329 | 46,329 |
    - Domestic radiological security | 90,764 | 90,764 |
    - International radiological security | 59,578 | 59,578 |
    - Nuclear smuggling detection and deterrence | 140,429 | 140,429 |
    - **Total, Global material security** | **337,108** | **337,108** |
  - **Material management and minimization**
    - HEU reactor conversion | 98,300 | 98,300 |
    - Nuclear material removal | 22,925 | 22,925 |
    - Material disposition | 200,869 | 200,869 |
    - **Total, Material management & minimization** | **332,094** | **332,094** |
  - **Nonproliferation and arms control**
    - Nonproliferation and arms control | 129,703 | 129,703 |
    - Defense nuclear nonproliferation R&D | 456,095 | 456,095 |
  - **Nonproliferation Construction:**
    - 18–D–150 Surplus Plutonium Disposition Project | 59,000 | 59,000 |
    - 99–D–143 Mixed Oxide (MOX) Fuel Fabrication Facility, SRS | 220,000 | 220,000 |
    - **Total, Nonproliferation construction** | **279,000** | **279,000** |
  - **Total, Defense Nuclear Nonproliferation Programs** | **1,534,000** | **1,534,000** |
  - Legacy contractor pensions | 28,640 | 28,640 |
  - Nuclear counterterrorism and incident response program | 319,185 | 319,185 |
  - Use of prior year balances | -19,000 | -19,000 |
  - **Total, Defense Nuclear Nonproliferation** | **1,862,825** | **1,862,825** |

#### Naval Reactors

- **Naval reactors development** | 514,951 | 514,951 |
- **Columbia Class reactor systems development** | 138,000 | 138,000 |
- **98G Prototype refueling** | 250,000 | 250,000 |
- **Naval reactors operations and infrastructure** | 325,764 | 325,764 |
- **Construction** | | |
- **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, SRF** | 287,000 | 287,000 |
- **Total, Construction** | **311,194** | **311,194** |
  - Program direction | 48,009 | 48,009 |
- **Total, Naval Reactors** | **1,798,618** | **1,798,618**

† HR 5515 PAP
Federal Salaries And Expenses

<table>
<thead>
<tr>
<th>Program direction</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, Office Of The Administrator</td>
<td>422,529</td>
<td>422,529</td>
</tr>
</tbody>
</table>

Defense Environmental Cleanup

Closure sites:

<table>
<thead>
<tr>
<th>Program direction</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, Construction</td>
<td>1,000</td>
<td>1,000</td>
</tr>
<tr>
<td>Total, Hanford site</td>
<td>658,171</td>
<td>658,171</td>
</tr>
</tbody>
</table>

Office of River Protection:

<table>
<thead>
<tr>
<th>Program direction</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, Office of River Protection</td>
<td>1,438,513</td>
<td>1,438,513</td>
</tr>
</tbody>
</table>

Idaho National Laboratory:

<table>
<thead>
<tr>
<th>Program direction</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, Idaho National Laboratory</td>
<td>349,226</td>
<td>349,226</td>
</tr>
</tbody>
</table>

NNSA sites and Nevada off-sites

<table>
<thead>
<tr>
<th>Program direction</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, NNSA sites and Nevada off-sites</td>
<td>271,069</td>
<td>271,069</td>
</tr>
</tbody>
</table>

Oak Ridge Reservation:

<table>
<thead>
<tr>
<th>Program direction</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, OR Nuclear facility D &amp; D</td>
<td>90,221</td>
<td>90,221</td>
</tr>
<tr>
<td>U383 Disposition Program</td>
<td>45,000</td>
<td>45,000</td>
</tr>
</tbody>
</table>

OR cleanup and waste disposition

<table>
<thead>
<tr>
<th>Program direction</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, OR cleanup and waste disposition</td>
<td>83,274</td>
<td>83,274</td>
</tr>
</tbody>
</table>

Savannah River Sites:

<table>
<thead>
<tr>
<th>Program direction</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, Oak Ridge Reservation</td>
<td>226,206</td>
<td>226,206</td>
</tr>
</tbody>
</table>

Environmental Cleanup
SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Environmental Cleanup</strong></td>
<td>166,105</td>
<td>166,105</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16–D–402, Emergency Operations Center</td>
<td>1,239</td>
<td>1,239</td>
</tr>
<tr>
<td><strong>Total, Environmental Cleanup</strong></td>
<td>167,364</td>
<td>167,364</td>
</tr>
<tr>
<td><strong>Site community and regulatory support</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radiological liquid tank waste stabilization and disposition</td>
<td>805,686</td>
<td>805,686</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16–D–401, SDC #8/9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17–D–402–Saltstone Disposal Unit #7</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td>143,693</td>
<td>143,693</td>
</tr>
<tr>
<td><strong>Total, Savannah River site</strong></td>
<td>1,472,823</td>
<td>1,472,823</td>
</tr>
<tr>
<td><strong>Waste Isolation Pilot Plant</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operations and maintenance</td>
<td>230,000</td>
<td>230,000</td>
</tr>
<tr>
<td>Central characterization project</td>
<td>19,500</td>
<td>19,500</td>
</tr>
<tr>
<td>Critical Infrastructure Repair/Replacement</td>
<td>46,695</td>
<td>46,695</td>
</tr>
<tr>
<td>Transportation</td>
<td>25,500</td>
<td>25,500</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15–D–411 Safety significant confine ement system, WIPP</td>
<td>84,212</td>
<td>84,212</td>
</tr>
<tr>
<td>15–D–412 Exhaust shaft, WIPP</td>
<td>1,000</td>
<td>1,000</td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td>85,212</td>
<td>85,212</td>
</tr>
<tr>
<td><strong>Total, Waste Isolation Pilot Plant</strong></td>
<td>396,907</td>
<td>396,907</td>
</tr>
<tr>
<td><strong>Safeguards and Security</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oak Ridge Reservation</td>
<td>14,023</td>
<td>14,023</td>
</tr>
<tr>
<td>Podbrok</td>
<td>15,577</td>
<td>15,577</td>
</tr>
<tr>
<td>Portsmouth</td>
<td>15,078</td>
<td>15,078</td>
</tr>
<tr>
<td>Richland/Hanford Site</td>
<td>86,686</td>
<td>86,686</td>
</tr>
<tr>
<td>Savannah River Site</td>
<td>183,357</td>
<td>183,357</td>
</tr>
<tr>
<td>Waste Isolation Pilot Project</td>
<td>6,580</td>
<td>6,580</td>
</tr>
<tr>
<td>West Valley</td>
<td>3,133</td>
<td>3,133</td>
</tr>
<tr>
<td><strong>Total, Safeguards and Security</strong></td>
<td>324,434</td>
<td>324,434</td>
</tr>
<tr>
<td><strong>Technology development</strong></td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td><strong>Total, Defense Environmental Cleanup</strong></td>
<td>5,630,217</td>
<td>5,630,217</td>
</tr>
<tr>
<td><strong>Other Defense Activities</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment, health, safety and security</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment, health, safety and security</td>
<td>135,194</td>
<td>135,194</td>
</tr>
<tr>
<td>Program direction</td>
<td>70,653</td>
<td>70,653</td>
</tr>
<tr>
<td><strong>Total, Environment, Health, safety and security</strong></td>
<td>205,847</td>
<td>205,847</td>
</tr>
<tr>
<td><strong>Independent enterprise assessments</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Independent enterprise assessments</td>
<td>24,068</td>
<td>24,068</td>
</tr>
<tr>
<td>Program direction</td>
<td>52,702</td>
<td>52,702</td>
</tr>
<tr>
<td><strong>Total, Independent enterprise assessments</strong></td>
<td>76,770</td>
<td>76,770</td>
</tr>
<tr>
<td><strong>Specialized security activities</strong></td>
<td>254,378</td>
<td>254,378</td>
</tr>
<tr>
<td><strong>Office of Legacy Management</strong></td>
<td>140,575</td>
<td>140,575</td>
</tr>
<tr>
<td>Program direction</td>
<td>140,575</td>
<td>140,575</td>
</tr>
<tr>
<td><strong>Total, Office of Legacy Management</strong></td>
<td>158,877</td>
<td>158,877</td>
</tr>
<tr>
<td><strong>Defense related administrative support</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chief financial officer</td>
<td>48,484</td>
<td>48,484</td>
</tr>
<tr>
<td>Chief information officer</td>
<td>96,793</td>
<td>96,793</td>
</tr>
<tr>
<td>Project management oversight and Assessments</td>
<td>8,415</td>
<td>8,415</td>
</tr>
<tr>
<td><strong>Total, Defense related administrative support</strong></td>
<td>153,689</td>
<td>153,689</td>
</tr>
<tr>
<td>Office of hearings and appeals</td>
<td>5,728</td>
<td>5,728</td>
</tr>
<tr>
<td><strong>Subtotal, Other defense activities</strong></td>
<td>853,300</td>
<td>853,300</td>
</tr>
<tr>
<td>Recession of prior year balances (OHA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Other Defense Activities</strong></td>
<td>853,300</td>
<td>853,300</td>
</tr>
</tbody>
</table>

† HR 5515 PAP
### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2019 Request</th>
<th>Senate Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Defense Nuclear Waste Disposal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yucca Mountain and interim storage</td>
<td>30,000</td>
<td>0</td>
</tr>
<tr>
<td>Program cut</td>
<td>{–30,000}</td>
<td></td>
</tr>
<tr>
<td><strong>Total, Defense Nuclear Waste Disposal</strong></td>
<td>30,000</td>
<td>0</td>
</tr>
</tbody>
</table>
DIVISION E—ADDITIONAL PROVISIONS

TITLE LI—PROCUREMENT

SEC. 5101. BRIEFING ON PROCUREMENT PLAN FOR ACQUIRED POSITION NAVIGATION AND TIMING (APNT) SOLUTION.

Not later than September 1, 2018, the Secretary of the Army, in coordination with the Director of the Army’s Acquired Position Navigation and Timing (APNT) Cross Functional Team (CFT) pilot, shall provide to the congressional defense committees a briefing that outlines potential courses of action to begin immediate procurement of APNT systems, subject to successful test and evaluation.

SEC. 5102. SENSE OF CONGRESS ON KC–46A AERIAL REFUELING TANKER EMERGENT REQUIREMENTS.

It is the sense of Congress that—

(1) the KC–46A aircraft will serve as the backbone of the Air Force’s critical aerial refueling mission for the next several decades, replacing the aging 1950’s-era KC–135 Stratotanker fleet;

(2) the Air Force has provided funding for numerous military construction projects at installations across the country to prepare for the delivery and bed down of the KC–46A aircraft;
(3) as the KC–46A program matures and requirements become better defined, additional military construction and facilities, sustainment, restoration and modernization (FSRM) funding is likely to be necessary to properly support the fielding of the aircraft, house additional personnel, and meet unforeseen requirements of the tanker mission; and

(4) the Secretary of the Air Force should continue to review and validate new emergent requirements and prepare to provide additional military construction and FSRM funding in its budget request for fiscal year 2020 and future years as needed.

SEC. 5103. ADDITIONAL ELEMENT IN THE QUARTERLY UPDATES ON THE F–35 JOINT STRIKE FIGHTER PROGRAM.

The element on the assessment of the F–35 Joint Strike Fighter program under section 152(b)(3) in the quarterly updates on that program under section 152 shall include an assessment of efforts to ensure that excessive sustainment costs do not threaten the Department of Defense’s ability to purchase the required number of aircraft.
TITLE LII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

SEC. 5201. JOINT ARTIFICIAL INTELLIGENCE RESEARCH, DEVELOPMENT, AND TRANSITION ACTIVITIES.

The near-term actionable recommendations of the Secretary of Defense under section 226(e)(3)(B) shall include recommendations on research into systems that integrate the strengths and reliability of artificial intelligence and machine learning with the inductive reasoning power of a human.

SEC. 5202. SCOPE OF COMPETITIVE ACQUISITION STRATEGY FOR THE BRADLEY FIGHTING VEHICLE TRANSMISSION REPLACEMENT.

The plan to use full and open competition in the acquisition strategy for the Bradley Fighting Vehicle transmission replacement required by section 241(b)(2) shall be based on the Federal Acquisition Regulation rather than to the maximum extent practicable.
SEC. 5203. PILOT PROGRAM TO TEST MACHINE-VISION TECHNOLOGIES TO DETERMINE THE AUTHENTICITY AND SECURITY OF MICROELECTRONIC PARTS IN WEAPON SYSTEMS.

(a) Pilot Program Authorized.—The Under Secretary of Defense for Research and Engineering, in coordination with the Defense Microelectronics Activity, shall establish a pilot program to test the feasibility and reliability of using machine-vision technologies to determine the authenticity and security of microelectronic parts in weapon systems.

(b) Objectives of Pilot Program.—The objective of the pilot program required by subsection (a) shall include determining the following:

(1) The effectiveness and technology readiness level of machine-vision technologies to determine the authenticity of microelectronic parts at the time of the creation of such part through final insertion of such part into weapon systems.

(2) The best method of incorporating machine-vision technologies into the process of developing, transporting, and inserting microelectronics into weapon systems.

(3) The rules, regulations, or processes that hinder the development and incorporation of machine-vision technologies, and the application of such
rules, regulations, or processes to mitigate counterfeit microelectronics proliferation throughout the Department of Defense.

(c) CONSULTATION.—In carrying out the pilot program required by subsection (a), the Under Secretary may consult with the following:

(1) Manufacturers of semiconductors or electronics.

(2) Industry associations relating to semiconductors or electronics.

(3) Original equipment manufacturers of products for the Department of Defense.

(4) Nontraditional defense contractors (as defined in section 2302 of title 10, United States Code) that are machine-vision companies.

(5) Federal laboratories (as defined in section 2500 of title 10, United States Code).

(6) Other elements of the Department of Defense that fall under the authority of the Under Secretary of Defense for Research and Engineering.

(d) COMMENCEMENT AND DURATION.—The pilot program established under this section shall be established not later than April 1, 2019, and all activities under such pilot program shall terminate not later than December 31, 2020.
TITLE LIII—OPERATION AND MAINTENANCE

SEC. 5301. PRIORITIZATION OF ENVIRONMENTAL IMPACTS FOR FACILITIES SUSTAINMENT, RESTORATION, AND MODERNIZATION DEMOLITION.

The Secretary of Defense shall establish prioritization metrics for facilities deemed eligible for demolition within the Facilities Sustainment, Restoration, and Modernization (FSRM) process. Those metrics shall include full spectrum readiness and environmental impacts, including the removal of contamination.

SEC. 5302. CORE SAMPLING AT JOINT BASE SAN ANTONIO, TEXAS.

(a) SITE INVESTIGATION REQUIRED.—The Secretary of the Air Force shall conduct a core sampling study along the proposed route of the W–6 wastewater treatment line on Air Force real property, in compliance with best engineering practices, to determine if any regulated or hazardous substances are present in the soil along the proposed route.

(b) REPORT REQUIRED.—Not later than 120 days after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the Committees on Armed Services of the Senate and the House of Representatives a
SEC. 5303. TRANSPORTATION TO CONTINENTAL UNITED STATES OF RETIRED MILITARY WORKING DOGS OUTSIDE THE CONTINENTAL UNITED STATES THAT ARE SUITABLE FOR ADOPTION IN THE UNITED STATES.

Section 2583(f) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(3)(A) In the case of a military working dog located outside the continental United States (OCONUS) at the time of retirement that is suitable for adoption at that time, the Secretary of the military department concerned shall undertake transportation of the dog to the continental United States (including transportation by contract at United States expense) for adoption under this section unless—

“(i) the dog is adopted as described in paragraph (2)(A); or

“(ii) transportation of the dog to the continental United States would not be in the best interests of the dog for medical reasons.

“(B) Nothing in this paragraph shall be construed to alter the preference in adoption of retired military working dogs for former handlers as set forth in subsection (g).”.
SEC. 5304. ADDITIONAL ELEMENT IN REPORT ON COLD WEATHER CAPABILITIES AND READINESS OF THE UNITED STATES ARMED FORCES.

The report on cold weather capabilities and readiness of the United States Armed Forces required by section 322 shall also include an analysis of potential partnerships with State, local, tribal, and private entities to maximize training potential and to utilize local expertise.

SEC. 5305. REPORT ON AIR FORCE TRAINING RANGE REQUIREMENTS TO ADDRESS FIFTH GENERATION THREATS.

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

(1) The Department of Defense needs to ensure that air training ranges are properly equipped to prepare pilots for operating in any battlespace where they may have to operate.

(2) The ongoing development of anti-aircraft technology among near-peer competitors of the United States, and the proliferation of that technology to a widening array of potential battlefields, necessitates maximum preparedness among United States fighter and bomber pilots.

(3) Years of focusing on low intensity stability operations and multiple budget cycles under spending caps have resulted in an under capitalization of fifth generation training resources.
(b) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the congressional defense committees a report on the needs of the Air Force to ensure pilots can train against the full range of fifth generation threats at training ranges, including—

(1) the appropriate mix of live and virtual threats that should be available on the training ranges;

(2) the need to have threat representative simulators at those training ranges;

(3) the plan to meet those needs;

(4) the resources required to meet those needs;

and

(5) the timeline for meeting those needs.

SEC. 5306. ANNUAL REPORT ON DIFFERENCES IN SHIP REPAIR CONTRACT AND FINAL DELIVERY COSTS.

(a) REPORT REQUIRED.—The Secretary of the Navy shall submit to the congressional defense committees a report on the differences between the final contract and final delivery cost for each ship repair, including a description of any growth work that was added after the contract award and a detailed explanation on why the growth work was not included in original contract proposal.
(b) SENSE OF CONGRESS.—It is the sense of Congress that it is important to create and maintain a stable work load for the defense industrial base at ship repair yards.

SEC. 5307. REPORT ON AIR FORCE AIRFIELD OPERATIONAL REQUIREMENTS.

(a) IN GENERAL.—Not later than February 1, 2019, the Secretary of the Air Force shall conduct an assessment and submit to the congressional defense committees a report detailing the operational requirements for Air Force airfields.

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

(1) An assessment of the state of airfields where runway degradation currently poses a threat to operations and airfields where such degradation threatens operations in the next five and ten years.

(2) A description of the operational requirements for airfields, including an assessment of the impact to operations, cost to repair, cost to replace, remaining useful life, and the required daily maintenance to ensure runways are acceptable for full operations.

(3) A description of any challenges with infrastructure acquisition methods and processes.

(4) An assessment of the operational impact in the event a runway were to become inoperable due to
a major degradation incident, such as a crack or fracture resulting from lack of maintenance and repair.

(5) A plan to address any shortfalls associated with the Air Force’s runway infrastructure.

(c) FORM.—The report required under subsection (a) shall be in unclassified form but may contain a classified annex as necessary.

TITLE LV—MILITARY PERSONNEL POLICY

SEC. 5501. REPORT ON PARTICIPATION IN THE TRANSITION ASSISTANCE PROGRAM.

(a) REPORT REQUIRED.—Not later than February 28, 2019, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on participation in the Transition Assistance Program under section 1144 of title 10, United States Code, by members of the Armed Forces.

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

(1) Information on the participation of members of the Armed Forces in the Transition Assistance Program during 2018, including the following:

(A) The number of members who were eligible for participation in the Program during
2018, in aggregate and by component of the Armed Forces.

(B) The number of members who participated in the Program during 2018, in aggregate and by component of the Armed Forces, for each service as follows:

(i) Preseparation counseling provided by the Department of Defense.

(ii) Briefings provided by the Department of Veterans Affairs.

(iii) Employment workshops provided by the Department of Labor.

(C) The number of members who did not participate in the Program during 2018 due to a waiver of the participation requirement under section 114(c)(2) of title 10, United Stats Code, for each service set forth in subparagraph (B).

(2) Such recommendations for legislative or administrative action as the Secretary of Defense, in consultation with the Secretary of Labor, the Secretary of Veterans Affairs, and the Secretary of Homeland Security, considers appropriate to increase participation of members of the Armed Forces in each service set forth in paragraph (1)(B).
(3) Assessments of the Transition Assistance Program by members of the Armed Forces who participated in the Program during 2018, including the following:

(A) A summary of the data obtained by the Department of Defense through assessments of the Program by participants in the Program during 2018, including data obtained through the assessments as follows:

(i) The Transition Goals Plans Success (GPS) Participant Assessment.

(ii) Status of Forces Surveys (SOFs).

(B) A summary of the conclusions derived by the Secretary of Defense from the data described in subparagraph (A).

(4) Such recommendations for improvements to the Transition Assistance Program as the Secretary of Defense considers appropriate in light of the data described by paragraph (3)(A) and the conclusions described by paragraph (3)(B), including recommendations for such legislative or administrative action as the Secretary considers appropriate to carry out such improvements.
SEC. 5502. BRIEFING ON THE STATUS OF THE PLAN OF THE ARMY TO TRANSITION TO NEW INSECTICIDE PRETREATMENTS ON COMBAT UNIFORMS.

Not later than 60 days after the date of the enactment of this Act, the Secretary of the Army shall provide to the Committees on Armed Services of the Senate and the House of Representatives a briefing the status of approval of, and any plan to transition to, the use of new insecticide pretreatments on combat uniforms.

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

SEC. 5801. INSTRUCTION ON PILOT PROGRAM REGARDING EMPLOYMENT OF PERSONS WITH DISABILITIES.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall update the Defense Federal Acquisition Regulatory Supplement to include an instruction on the pilot program regarding employment of persons with disabilities authorized under section 853 of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108–136; 10 U.S.C. 2302 note).

SEC. 5802. DEVELOPING INNOVATION AND GROWING THE INTERNET OF THINGS.

(a) Findings; Sense of Congress.—
(1) FINDINGS.—Congress finds that—

(A) the Internet of Things refers to the growing number of connected and interconnected devices;

(B) estimates indicate that more than 50,000,000,000 devices will be connected to the internet by 2020;

(C) the Internet of Things has the potential to generate trillions of dollars in new economic activity around the world;

(D) businesses across the United States can develop new services and products, improve operations, simplify logistics, cut costs, and pass savings on to consumers by utilizing the Internet of Things and related innovations;

(E) the United States leads the world in the development of technologies that support the internet and the United States technology sector is well-positioned to lead in the development of technologies for the Internet of Things;

(F) the United States Government can implement this technology to better deliver services to the public; and

(G) the Senate unanimously passed Senate Resolution 110, 114th Congress, agreed to March
24, 2015, calling for a national strategy for the development of the Internet of Things.

(2) Sense of Congress.—It is the sense of Congress that policies governing the Internet of Things should maximize the potential and development of the Internet of Things to benefit all stakeholders, including businesses, governments, and consumers.

(b) Definitions.—In this section:

(1) Commission.—The term “Commission” means the Federal Communications Commission.

(2) Secretary.—The term “Secretary” means the Secretary of Commerce.

(3) Steering Committee.—The term “steering committee” means the steering committee established under subsection (c)(5).

(4) Working Group.—The term “working group” means the working group convened under subsection (c)(1).

(c) Federal Working Group.—

(1) In general.—The Secretary shall convene a working group of Federal stakeholders for the purpose of providing recommendations and a report to Congress relating to the aspects of the Internet of Things described in paragraph (2).
(2) DUTIES.—The working group shall—

(A) identify any Federal regulations, statutes, grant practices, budgetary or jurisdictional challenges, and other sector-specific policies that are inhibiting, or could inhibit, the development of the Internet of Things;

(B) consider policies or programs that encourage and improve coordination among Federal agencies with jurisdiction over the Internet of Things;

(C) consider any findings or recommendations made by the steering committee and, where appropriate, act to implement those recommendations; and

(D) examine—

(i) how Federal agencies can benefit from utilizing the Internet of Things;

(ii) the use of Internet of Things technology by Federal agencies as of the date on which the working group performs the examination;

(iii) the preparedness and ability of Federal agencies to adopt Internet of Things technology in the future; and
(iv) any additional security measures that Federal agencies may need to take to—

(I) safely and securely use the Internet of Things, including measures that ensure the security of critical infrastructure; and

(II) enhance the resiliency of Federal systems against cyber threats to the Internet of Things.

(3) AGENCY REPRESENTATIVES.—In convening the working group under paragraph (1), the Secretary may appoint representatives, and shall specifically consider seeking representation, from—

(A) the Department of Commerce, including—

(i) the National Telecommunications and Information Administration;

(ii) the National Institute of Standards and Technology; and

(iii) the National Oceanic and Atmospheric Administration;

(B) the Department of Transportation;

(C) the Department of Homeland Security;

(D) the Office of Management and Budget;

(E) the National Science Foundation;
(F) the Commission;
(G) the Federal Trade Commission;
(H) the Office of Science and Technology Policy;
(I) the Department of Energy; and
(J) the Federal Energy Regulatory Commission.

(4) Nongovernmental Stakeholders.—The working group shall consult with nongovernmental stakeholders, including—

(A) the steering committee;
(B) information and communications technology manufacturers, suppliers, service providers, and vendors;
(C) subject matter experts representing industrial sectors other than the technology sector that can benefit from the Internet of Things, including the energy, agriculture, and health care sectors;
(D) small, medium, and large businesses;
(E) think tanks and academia;
(F) nonprofit organizations and consumer groups;
(G) rural stakeholders; and
(H) other stakeholders with relevant expertise, as determined by the Secretary.

(5) STEERING COMMITTEE.—

(A) ESTABLISHMENT.—There is established within the Department of Commerce a steering committee to advise the working group.

(B) DUTIES.—The steering committee shall advise the working group with respect to—

(i) the identification of any Federal regulations, statutes, grant practices, programs, budgetary or jurisdictional challenges, and other sector-specific policies that are inhibiting, or could inhibit, the development of the Internet of Things;

(ii) whether adequate spectrum is available to support the growing Internet of Things and what legal or regulatory barriers may exist to providing any spectrum needed in the future;

(iii) policies or programs that—

(I) promote or are related to the privacy of individuals who use or are affected by the Internet of Things;
(II) may enhance the security of the Internet of Things, including the security of critical infrastructure;

(III) may protect users of the Internet of Things; and

(IV) may encourage coordination among Federal agencies with jurisdiction over the Internet of Things;

(iv) the opportunities and challenges associated with the use of Internet of Things technology by small businesses; and

(v) any international proceeding, international negotiation, or other international matter affecting the Internet of Things to which the United States is or should be a party.

(C) MEMBERSHIP.—The Secretary shall appoint to the steering committee members representing a wide range of stakeholders outside of the Federal Government with expertise relating to the Internet of Things, including—

(i) information and communications technology manufacturers, suppliers, service providers, and vendors;
(ii) subject matter experts representing industrial sectors other than the technology sector that can benefit from the Internet of Things, including the energy, agriculture, and health care sectors;

(iii) small, medium, and large businesses;

(iv) think tanks and academia;

(v) nonprofit organizations and consumer groups;

(vi) rural stakeholders; and

(vii) other stakeholders with relevant expertise, as determined by the Secretary.

(D) REPORT.—Not later than 1 year after the date of enactment of this Act, the steering committee shall submit to the working group a report that includes any findings made by, or recommendations of, the steering committee.

(E) INDEPENDENT ADVICE.—

(i) IN GENERAL.—The steering committee shall set the agenda of the steering committee in carrying out the duties of the steering committee under subparagraph (B).

(ii) SUGGESTIONS.—The working group may suggest topics or items for the
steering committee to study and the steering committee shall take those suggestions into consideration in carrying out the duties of the steering committee.

(iii) REPORT.—The steering committee shall ensure that the report submitted under subparagraph (D) is the result of the independent judgment of the steering committee.

(F) TERMINATION.—The steering committee shall terminate on the date on which the working group submits the report under paragraph (6) unless, on or before that date, the Secretary files a new charter for the steering committee under section 9(c) of the Federal Advisory Committee Act (5 U.S.C. App.).

(6) REPORT TO CONGRESS.—

(A) IN GENERAL.—Not later than 18 months after the date of enactment of this Act, the working group shall submit to Congress a report that includes—

(i) the findings and recommendations of the working group with respect to the duties of the working group under paragraph (2);
(ii) the report submitted by the steering committee under paragraph (5)(D), as the report was received by the working group;

(iii) recommendations for action or reasons for inaction, as applicable, with respect to each recommendation made by the steering committee in the report submitted under paragraph (5)(D); and

(iv) an accounting of any progress made by Federal agencies to implement recommendations made by the working group or the steering committee.

(B) COPY OF REPORT.—The working group shall submit a copy of the report described in subparagraph (A) to—

(i) the Committee on Commerce, Science, and Transportation and the Committee on Energy and Natural Resources of the Senate;

(ii) the Committee on Energy and Commerce of the House of Representatives; and

(iii) any other committee of Congress, upon request to the working group.
(d) Assessing Spectrum Needs.—

(1) In general.—The Commission, in consultation with the National Telecommunications and Information Administration, shall issue a notice of inquiry seeking public comment on the current, as of the date of enactment of this Act, and future spectrum needs of the Internet of Things.

(2) Requirements.—In issuing the notice of inquiry under paragraph (1), the Commission shall seek comments that consider and evaluate—

(A) whether adequate spectrum is available to support the growing Internet of Things;

(B) what regulatory barriers may exist to providing any needed spectrum for the Internet of Things; and

(C) what the role of licensed and unlicensed spectrum is and will be in the growth of the Internet of Things.

(3) Report.—Not later than 1 year after the date of enactment of this Act, the Commission shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Energy and Commerce of the House of Representatives a report summarizing the comments submitted
in response to the notice of inquiry issued under paragraph (1).

TITLE LIX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

SEC. 5901. CLARIFICATION OF CERTAIN RISK ASSESSMENT REQUIREMENTS OF THE CHAIRMAN OF THE JOINT CHIEFS OF STAFF IN CONNECTION WITH THE NATIONAL MILITARY STRATEGY.

Section 153(b) of title 10, United States Code, is amended—

(1) in paragraph (1)(D)(iii), by striking “military strategic and operational risks” and inserting “military risk”; and

(2) in paragraph (2)(B)(ii), by striking “military strategic and operational risks to United States interests and the military strategic and operational risks in executing the National Military Strategy (or update)” and inserting “military strategic risks to United States interests and military risks in executing the National Military Strategy (or update)”.

† HR 5515 PAP
TITLE LX—GENERAL

PROVISIONS

SEC. 6001. BUSINESS CASE ANALYSIS OF READY RESERVE FORCE RECAPITALIZATION OPTIONS.

(a) BUSINESS CASE ANALYSIS REQUIRED.—Not later than 120 days after the date of the enactment of this Act, the Secretary of the Navy shall, in consultation with the Administrator of the Maritime Administration and the Commander of United States Transportation Command, submit to the congressional defense committees a report setting forth a business case analysis of recapitalization options for the Ready Reserve Force (RRF).

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

(1) Each sealift capability area, and the associated capacity, for which Ready Reserve Force vessels are required to be recapitalized through fiscal year 2048.

(2) The categories of vessels being considered in each area specified pursuant to paragraph (1), including the following:

(A) United States purpose-built vessels (such as Common Hull Auxiliary Multi-mission Platform).
(B) United States non-purpose built vessels (such as vessels formerly engaged in Jones Act trade).

(C) Foreign-built vessels that participated in the Maritime Security Program.

(D) Foreign-built vessels that did not participate in the Maritime Security Program.

(3) For each category of vessel specified pursuant to paragraph (2), the following:

(A) Anticipated availability of vessels within such category in the timeframe needed to meet United States Transportation Command sealift requirements.

(B) Anticipated purchase price, if applicable.

(C) Anticipated cost and scope of modernization.

(D) Anticipated duration of modernization period.

(E) Anticipated service life as a Ready Reserve Force vessel.

(F) Anticipated military utility.

(G) Ability of one such vessel to replace more than one existing Ready Reserve Force vessel.
(4) A cost-benefit determination on the mix of capabilities and vessels identified pursuant to paragraphs (1) through (3) that could ensure United States Transportation Command sealift requirements are met through fiscal year 2048, which determination shall include a comparison of the useful service life of each category of vessels specified pursuant to paragraph (2) with the costs of such category of vessels.

SEC. 6002. TRANSFER OF EXCESS NAVAL VESSEL TO BAHRAIN.

(a) Transfer by Grant.—The President is authorized to transfer to the Government of Bahrain the OLIVER HAZARD PERRY class guided missile frigate ex-USS ROBERT G. BRADLEY (FFG–49) on a grant basis under section 516 of the Foreign Assistance Act of 1961 (22 U.S.C. 2321j).

(b) Grant Not Counted in Annual Total of Transferred Excess Defense Articles.—The value of the vessel transferred to the Government of Bahrain on a grant basis pursuant to authority provided by subsection (a) shall not be counted against the aggregate value of excess defense articles transferred in any fiscal year under section 516 of the Foreign Assistance Act of 1961 (22 U.S.C. 2321j).
(c) Costs of Transfer.—Any expense incurred by the United States in connection with the transfer authorized by this section shall be charged to the Government of Bahrain notwithstanding section 516(e) of the Foreign Assistance Act of 1961 (22 U.S.C. 2321j(e)).

(d) Repair and Refurbishment in United States Shipyards.—To the maximum extent practicable, the President shall require, as a condition of the transfer of a vessel under this section, that the Government of Bahrain have such repair or refurbishment of the vessel as is needed, before the vessel joins the naval forces of that country, performed at a shipyard located in the United States, including a United States Navy shipyard.

(e) Expiration of Authority.—The authority to transfer a vessel under this section shall expire at the end of the three-year period beginning on the date of the enactment of this Act.

SEC. 6003. MEMBERS OF PANEL CONDUCTING REVIEW OF MILITARY AVIATION READINESS IN SUPPORT OF THE NATIONAL DEFENSE STRATEGY.

Notwithstanding subparagraph (C) of section 1044(b)(2), the official who shall be referred to in that subparagraph is the Commander, Naval Air Forces.
SEC. 6004. STUDY ON PHASING OUT OPEN BURN PITS.

(a) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a report that includes—

(1) details of any ongoing use of open burn pits;

and

(2) the feasibility of phasing out the use of open burn pits by using technology incinerators.

(b) OPEN BURN PIT DEFINED.—In this section, the term “open burn pit” means an area of land—

(1) that is designated by the Secretary of Defense to be used for disposing solid waste by burning in the outdoor air; and

(2) does not contain a commercially manufactured incinerator or other equipment specifically designed and manufactured for the burning of solid waste.

SEC. 6005. AIRBORNE HAZARDS AND OPEN BURN PIT REGISTRY.

Beginning not later than one year after the date of the enactment of this Act, the Secretary of Defense shall carry out an annual education campaign to inform individuals who may be eligible to enroll in the Airborne Hazards and Open Burn Pit Registry of such eligibility. Each such campaign shall include at least one electronic method
and one physical mailing method to provide such information.

SEC. 6006. IMPROVING SMALL BUSINESS LOAN PROGRAMS FOR EMPLOYEE-OWNED BUSINESS CONCERNS.

(a) DEFINITIONS.—In this section—

(1) the terms “Administration” and “Administrator” mean the Small Business Administration and the Administrator thereof, respectively;

(2) the term “cooperative” has the meaning given the term in section 7(a)(35) of the Small Business Act, as added by subsection (b);

(3) the term “employee-owned business concern” means—

(A) a cooperative; and

(B) a qualified employee trust;

(4) the terms “qualified employee trust” and “small business concern” have the meanings given those terms in section 3 of the Small Business Act (15 U.S.C. 632); and


(b) EXPANSION OF 7(A) LOANS.—
(1) IN GENERAL.—Section 7(a) of the Small Business Act (15 U.S.C. 636(a)) is amended—

(A) in paragraph (15)—

(i) in subparagraph (A)—

(I) by striking “this subsection to qualified employee trusts” and inserting “this subsection—

“(i) to qualified employee trusts”;

(II) in clause (i), as so designated—

(aa) by inserting “, and for any transaction costs associated with purchasing,” after “purchasing”;  

(bb) by striking the period at the end and inserting “; and”; and

(III) by adding at the end the following:

“(ii) to a small business concern under a plan approved by the Administrator, if the proceeds from the loan are only used to make a loan to a qualified employee trust, and for any transaction costs associated with making that loan, that results in the qualified employee trust own-
ing at least 51 percent of the small business concern.”;

(ii) in subparagraph (B)—

(I) in the matter preceding clause (i), by inserting “or by the small business concern” after “the trustee of such trust”;

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

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

(IV) by adding at the end the following:

“(iv) with respect to a loan made to a trust, or to a cooperative in accordance with paragraph (35)—

“(I) a seller of the small business concern may remain involved as an officer, director, or key employee of the small business concern when a qualified employee trust or cooperative has acquired 100 percent of ownership of the small business concern; and
“(II) any seller of the small business concern who remains as an owner of the small business concern, regardless of the percentage of ownership interest, shall be required to provide a personal guarantee by the Administration.”; and

(iii) by adding at the end the following:

“(F) A small business concern that makes a loan to a qualified employee trust under subparagraph (A)(ii) is not required to contain the same terms and conditions as the loan made to the small business concern that is guaranteed by the Administration under such subparagraph.

“(G) With respect to a loan made to a qualified employee trust under this paragraph, or to a cooperative in accordance with paragraph (35), the Administrator may, as determined appropriate by the Administrator, elect to not require any mandatory equity to be provided by the qualified employee trust or cooperative to make the loan.”; and

(B) by adding at the end the following:

“(35) LOANS TO COOPERATIVES.—

“(A) DEFINITION.—In this paragraph, the term ‘cooperative’ means an entity that is deter-
mined to be a cooperative by the Administrator,
in accordance with applicable Federal and State
laws and regulations.

“(B) AUTHORITY.—The Administration
shall guarantee loans made to a cooperative for
the purpose described in paragraph (15).”.

(2) DELEGATION OF AUTHORITY TO PREFERRED
LENDERS.—Section 5(b)(7) of the Small Business Act
(15 U.S.C. 634(b)(7)) is amended by inserting “, in-
cluding loans guaranteed under paragraph (15) or
(35) of section 7(a)” after “deferred participation
loans”.

(c) SMALL BUSINESS INVESTMENT COMPANY PRO-
GRAM OUTREACH.—The Administrator shall provide out-
reach and educational materials to companies licensed
under section 301(c) of the Small Business Investment Act
of 1958 (15 U.S.C. 681(c)) to increase the use of funds to
make investments in company transitions to employee-
owned business concerns.

(d) SMALL BUSINESS MICROLOAN PROGRAM OUT-
REACH.—The Administrator shall provide outreach and
educational materials to intermediaries under section 7(m)
of the Small Business Act (15 U.S.C. 636(m)) to increase
the use of funds to make loans to employee-owned business
concerns, including transitions to employee-owned business
cconcerns.

(e) SMALL BUSINESS DEVELOPMENT CENTER OUT-
REACH AND ASSISTANCE.—

(1) ESTABLISHMENT.—The Administrator shall
establish a Small Business Employee Ownership and
Cooperatives Promotion Program to offer technical
assistance and training on the transition to employee
ownership through cooperatives and qualified em-
ployee trusts.

(2) SMALL BUSINESS DEVELOPMENT CENTERS.—

(A) IN GENERAL.—In carrying out the pro-
gram established under paragraph (1), the Ad-
ministrator shall enter into agreements with
small business development centers under which
the centers shall—

(i) provide access to information and
resources on employee ownership through
cooperatives or qualified employee trusts as
a business succession strategy;

(ii) conduct training and educational
activities; and

(iii) carry out the activities described
in subparagraph (U) of section 21(c)(3) of
the Small Business Act (15 U.S.C. 648(c)(3)), as added by subparagraph (B).

(B) ADDITIONAL SERVICES.—Section 21(c)(3) of the Small Business Act (15 U.S.C. 648(c)(3)) is amended—

(i) in subparagraph (S), by striking “and” at the end;

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

and

(iii) by adding at the end the following:

“(U) encouraging and assisting the provision of succession planning to small business concerns with a focus on transitioning to cooperatives, as defined in section 7(a)(35), and qualified employee trusts (collectively referred to in this subparagraph as ‘employee-owned business concerns’), including by—

“(i) providing training to individuals to promote the successful management, governance, or operation of a business purchased by those individuals in the formation of an employee-owned business concern;
“(ii) assisting employee-owned business concerns that meet applicable size standards established under section 3(a) with education and technical assistance with respect to financing and contracting programs administered by the Administration;

“(iii) coordinating with lenders on conducting outreach on financing through programs administered by the Administration that may be used to support the transition of ownership to employees;

“(iv) supporting small business concerns in exploring or assessing the possibility of transitioning to an employee-owned business concern; and

“(v) coordinating with the cooperative development centers of the Department of Agriculture, the land grant extension network, the Manufacturing Extension Partnership, community development financial institutions, employee ownership associations and service providers, and local, regional and national cooperative associations.”.

(f) INTERAGENCY WORKING GROUP.—
(1) IN GENERAL.—Not later than 90 days after the date of enactment of this Act, the Administrator or a designee of the Administrator shall coordinate and chair an interagency working group, which shall—

(A) develop recommendations on how Federal programs can promote, support, and increase the number of employee-owned business concerns;

(B) ensure coordination with Federal agencies and national and local employee ownership, cooperative, and small business organizations; and

(C) publish a report on the activities of the interagency working group that is indexed and maintained for public review.

(2) MEETINGS.—The interagency working group described in paragraph (1) shall meet in person or via electronic resources at such times as determined necessary by the Administrator, but not less frequently than biannually.

(g) AMENDMENT TO REPORT TO CONGRESS ON STATUS OF EMPLOYEE-OWNED FIRMS.—Section 7(a)(15) of the Small Business Act (15 U.S.C. 636(a)(15)), as amended by this section, is amended—
(1) in subparagraph (E), by striking “Administration.” and inserting “Administration, which shall include—

“(i) the total number of loans made to cooperatives and qualified employee trusts (collectively referred to in this subparagraph as ‘employee-owned business concerns’) that were guaranteed by the Administrator under this section or section 502 of the Small Business Investment Act of 1958 (15 U.S.C. 696), including the number of loans made—

“(I) to small business concerns owned and controlled by socially and economically disadvantaged individuals; and

“(II) to cooperatives;

“(ii) the total number of financings made to employee-owned business concerns by companies licensed under section 301(c) of the Small Business Investment Act of 1958 (15 U.S.C. 696(c)), including the number of financings made—

“(I) to small business concerns owned and controlled by socially and economically disadvantaged individuals; and

“(II) to cooperatives; and
“(iii) any outreach and educational activities conducted by the Administration with respect to employee-owned business concerns.”; and

(A) by adding at the end the following:

“(H) In this paragraph—

“(i) the term ‘cooperative’ has the meaning given the term in paragraph (35); and

“(ii) the term ‘small business concern owned and controlled by socially and economically disadvantaged individuals’ has the meaning given the term in section 8(d)(3)(C).”.

(h) REPORT ON COOPERATIVE LENDING.—

(1) SENSE OF CONGRESS.—It is the sense of Congress that cooperatives have a unique business structure and are unable to access the lending programs of the Administration effectively due to loan guarantee requirements that are incompatible with the business structure of cooperatives.

(2) STUDY AND REPORT.—

(A) STUDY.—The Administrator, in coordination with lenders, stakeholders, and Federal agencies, shall study and recommend practical alternatives for cooperatives that will satisfy the loan guarantee requirements of the Administration.
(B) REPORT.—Not later than 120 days after the date of enactment of this Act, the Administrator shall submit to Congress the recommendations developed under paragraph (1) and a plan to implement those recommendations.

SEC. 6007. COMPTROLLER GENERAL OF THE UNITED STATES REVIEW OF EFFECT OF OTHER-THAN-HONORABLE DISCHARGES ON VETERAN EMPLOYMENT OUTCOMES.

(a) REVIEW REQUIRED.—Not later than one year after the date of the enactment of this Act, the Comptroller General of the United States shall, in consultation with the Secretary of Defense, the Secretary of Veterans Affairs, and the Secretary of Labor, complete a review of the effect of discharges and releases from service in the active military, naval, or air service under conditions other than honorable on employment outcomes for veterans who were so discharged or released.

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

(1) An assessment of the effect of a discharge or release described in subsection (a) on a veteran’s employment outcomes.

(2) Development of recommendations for legislative or administrative action to reduce the negative
effect of such a discharge or release on employment outcomes, including potential educational campaigns.

(3) An assessment of agency outreach or other relevant efforts to inform veterans of their ability to seek a change to their character of discharge through a discharge review board.


(5) A review and development of recommended areas for improvement in the implementation by the Department of Defense of its August 25, 2017, clarifying guidance to Military Discharge Review Boards and Board for Correction of Military/Naval Records related to mental health conditions, sexual assault, or sexual harassment. Such review shall include identifying statistics on the number of upgrades and discharge reliefs requested and granted and the average timeframe for review of such requests.

(c) REPORT.—Not later than 90 days after the date on which the Comptroller General completes the review re-
quired by subsection (a), the Comptroller General shall submit to Congress a report on the results of the review.

(d) DEFINITIONS.—In this section, the terms “active military, naval, or air service”, “discharge or release”, and “veteran” have the meaning given such terms in section 101 of title 38, United States Code.

SEC. 6008. COMPTROLLER GENERAL STUDY ON AVAILABILITY OF LONG-TERM CARE OPTIONS FOR VETERANS FROM DEPARTMENT OF VETERANS AFFAIRS.

(a) IN GENERAL.—The Comptroller General of the United States shall conduct a study on the availability of long-term care options from the Department of Veterans Affairs for veterans with combat-related disabilities, including veterans who served in the Armed Forces after September 11, 2001.

(b) ELEMENTS.—The study required by subsection (a) shall—

(1) determine the potential demand for long-term care by veterans eligible for health care from the Department;

(2) determine the capacity of the Department for providing all four levels of long-term care, which are independent living, assisted living, nursing home care, and memory care;
(3) identify the number of veterans with combat-related disabilities who require a personal care assistant and which facilities of the Department provide this service; and

(4) examine the value of long-term care benefits provided by the Department, including personal care assistant services, to identify the potential elements of a pilot program that affords aging veterans the choice of receiving long-term care benefits at nonprofit continuing care retirement communities.

(c) REPORT.—Not later than January 1, 2020, the Comptroller General shall submit to the Committee on Armed Services and the Committee on Veterans’ Affairs of the Senate and the Committee on Armed Services and the Committee on Veterans’ Affairs of the House of Representatives a report on the study conducted under this section.

SEC. 6009. SENSE OF CONGRESS RELATING TO SOO LOCKS, SAULT SAINTE MARIE, MICHIGAN.

It is the sense of Congress that—

(1) the Soo Locks in Sault Ste. Marie, Michigan, are of critical importance to the national security of the United States;

(2) the Soo Locks are the only waterway connection from Lake Superior to the Lower Great Lakes and the St. Lawrence Seaway;
(3) only the Poe Lock is of sufficient size to allow for the passage of the largest cargo vessels that transport well over 90 percent of all iron ore mined in the United States, and this lock is nearing the end of its 50-year useful lifespan;

(4) a report issued by the Office of Cyber and Infrastructure Analysis of the Department of Homeland Security concluded that an unscheduled 6-month outage of the Poe Lock would cause—

(A) a dramatic increase in national and regional unemployment; and

(B) 75 percent of Great Lakes steel production, and nearly all North American appliance, automobile, railcar, and construction, farm, and mining equipment production to cease;

(5) the Corps of Engineers is reevaluating a past economic evaluation report to update the benefit-to-cost ratio for building a new lock at the Soo Locks; and

(6) the Secretary of the Army and all relevant Federal agencies should—

(A) expedite the completion of the report described in paragraph (5) and ensure the analysis adequately reflects the critical importance of the
Soo Locks infrastructure to the national security and economy of the United States; and

(B) expedite all other necessary reviews, analysis, and approvals needed to speed the required upgrades at the Soo Locks.

**TITLE LXI—CIVILIAN PERSONNEL MATTERS**

**SEC. 6101. DEPARTMENT OF DEFENSE CYBER SCHOLARSHIP PROGRAM SCHOLARSHIPS AND GRANTS.**

(a) ADDITIONAL CONSIDERATIONS.—Section 2200c of title 10, United States Code, is amended—

(1) by inserting before “In the selection” the following:

“(a) CENTERS OF ACADEMIC EXCELLENCE IN CYBER EDUCATION.—”; and

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

“(b) CERTAIN INSTITUTIONS OF HIGHER EDUCATION.—In the selection of a recipient for the award of a scholarship or grant under this chapter, consideration shall be given to whether—

“(1) in the case of a scholarship, the institution of higher education at which the recipient pursues a degree is an institution described in section 371(a) of
the Higher Education Act of 1965 (20 U.S.C. 1067q(a)); and

“(2) in the case of a grant, the recipient is an institution described in such section.”.

(b) CLERICAL AMENDMENTS.—

(1) SECTION HEADING.—The heading of section 2200c of title 10, United States Code, is amended to read as follows:

“§ 2200c. Special considerations in awarding scholarships and grants”.

(2) TABLE OF SECTIONS.—The table of sections at the beginning of chapter 112 of title 10, United States Code, is amended by striking the item relating to section 2200c and inserting the following new item:

“2200c. Special considerations in awarding scholarships and grants.”.

Subtitle LXII—Matters Relating to Foreign Nations

SEC. 6201. COORDINATION OF EFFORTS TO NEGOTIATE FREE TRADE AGREEMENTS WITH CERTAIN SUB-SAHARAN AFRICAN COUNTRIES.

(a) IN GENERAL.—The Chief Executive Officer of the Millennium Challenge Corporation shall consult and coordinate with the United States Trade Representative and the Administrator of the United States Agency for International Development with respect to countries described in subsection (b) for the purpose of developing and carrying
out the plan required by section 116(b) of the African Growth and Opportunity Act (19 U.S.C. 3723(b)).

(b) COUNTRIES DESCRIBED.—A country is described in this paragraph if the country—

(1) is identified under section 110(b)(1) of the Trade Preferences Extension Act of 2015 (Public Law 114–27; 19 U.S.C. 3705 note); and

(2)(A) has entered into a Millennium Challenge Compact pursuant to section 609 of the Millennium Challenge Act of 2003 (22 U.S.C. 7708); or

(B) is selected by the Board of Directors of the Millennium Challenge Corporation under subsection (c) of section 607 of that Act (22 U.S.C. 7706) from among the countries determined to be eligible countries under subsection (a) of that section.

SEC. 6202. TREATMENT OF RWANDAN PATRIOTIC FRONT AND RWANDAN PATRIOTIC ARMY UNDER IMMIGRATION AND NATIONALITY ACT.

(a) REMOVAL OF TREATMENT AS TERRORIST ORGANIZATIONS.—

(1) IN GENERAL.—Except as provided in paragraph (2), the Rwandan Patriotic Front and the Rwandan Patriotic Army shall be excluded from the definition of terrorist organization (as defined in section 212(a)(3)(B)(vi)(III) of the Immigration and

(2) Exception.—

(A) In general.—The Secretary of State, in consultation with the Secretary of Homeland Security and the Attorney General, or the Secretary of Homeland Security, in consultation with the Secretary of State and the Attorney General, as applicable, may suspend the application of paragraph (1) for the Rwandan Patriotic Front or the Rwandan Patriotic Army in the sole and unreviewable discretion of such applicable Secretary.

(B) Report.—Not later than, or contemporaneously with, a suspension of paragraph (1) under subparagraph (A), the Secretary of State or the Secretary of Homeland Security, as applicable, shall submit to the appropriate committees of Congress a report on the justification for such suspension.

(b) Relief from Inadmissibility.—

(1) Activities before August 1, 1994.—Section 212(a)(3)(B) of the Immigration and Nationality Act (8 U.S.C. 1182(a)(3)(B)) shall not apply to
an alien with respect to any activity undertaken by
the alien in association with the Rwandan Patriotic
Front or the Rwandan Patriotic Army before August
1, 1994.

(2) Exception.—

(A) In general.—Paragraph (1) shall not
apply if the Secretary of State or the Secretary
of Homeland Security, as applicable, determines
in the sole unreviewable discretion of such appli-
cable Secretary that, in the totality of the cir-
cumstances, such alien—

(i) poses a threat to the safety and se-
curity of the United States; or

(ii) does not merit a visa, admission to
the United States, or a grant of an immi-
gration benefit or protection.

(B) Implementation.—Subparagraph (A)
shall be implemented by the Secretary of State
and the Secretary of Homeland Security, in con-
sultation with the Attorney General.

(c) Appropriate Committees of Congress De-
fined.—In this section, the term “appropriate committees
of Congress” means—

(1) the Committee on the Judiciary, the Com-
mittee on Foreign Relations, the Committee on Home-
land Security and Governmental Affairs, and the Committee on Appropriations of the Senate; and

(2) the Committee on the Judiciary, the Committee on Foreign Affairs, the Committee on Homeland Security, and the Committee on Appropriations of the House of Representatives.

SEC. 6203. SYRIAN WAR CRIMES ACCOUNTABILITY.

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

(1) March 2017 marks the sixth year of the ongoing conflict in Syria.

(2) As of February 2017—

(A) more than 13,000,000 people are in need of humanitarian assistance in Syria;

(B) approximately 6,600,000 people are displaced from their homes inside Syria; and

(C) approximately 5,600,000 Syrians have fled to neighboring countries as refugees.

(3) Since the conflict in Syria began, the United States has provided more than $8,000,000,000 to meet humanitarian needs in Syria, making the United States the world’s single largest donor by far to the Syrian humanitarian response.

(4) In response to growing concerns over systemic human rights violations in Syria, the Independent International Commission of Inquiry on the
Syrian Arab Republic (referred to in this subsection as “COI”) was established on August 22, 2011. The purpose of COI is to “investigate all alleged violations of international human rights law since March 2011 in the Syrian Arab Republic, to establish the facts and circumstances that may amount to such violations and of the crimes perpetrated and, where possible, to identify those responsible with a view to ensuring that perpetrators of violations, including those that may constitute crimes against humanity, are held accountable”.


(6) In 2017, then Secretary of State Rex Tillerson stated “ISIS is clearly responsible for genocide against Yezidis, Christians, and Shia Muslims in areas it controls or has controlled. ISIS is also responsible for crimes against humanity and ethnic cleansing directed at these same groups, and in some cases against Sunni Muslims, Kurds, and other mi-
norities . . . The protection of these groups, and others subject to violent extremism, is a human rights priority for the Trump administration.”.

(7) On February 7, 2017, Amnesty International reported that between 5,000 and 13,000 people were extrajudicially executed in the Saydnaya Military Prison between September 2011 and December 2015.

(8) In February 2017, COI released a report—

(A) stating that a joint United Nations-Syrian Arab Red Crescent convoy in Orum al-Kubra, Syria, was attacked by air on September 19, 2016;

(B) explaining that the attack killed at least 14 civilian aid workers, injured at least 15 others, and destroyed trucks, food, medicine, clothes, and other supplies; and

(C) concluding that “the attack was meticulously planned and ruthlessly carried out by the Syrian air force to purposefully hinder the delivery of humanitarian aid and target aid workers, constituting the war crimes of deliberately attacking humanitarian relief personnel, denial of humanitarian aid and targeting civilians.”.

(9) On October 26, 2017, the Organization for the Prohibition of Chemical Weapons-United Nations
Joint Investigative Mechanism transmitted its sixth report, which concluded that the Syrian Arab Armed Forces and the Islamic State in Iraq and Syria (ISIS) have both used chemical weapons against villages in Syria, including the use of sarin by the forces of the Government of Syria in Khan Sheikhoun in April 2017.

(10) On August 8, 2017, COI released a report stating that certain offenses, including deliberately attacking hospitals, holding back humanitarian aid as a tactic to control civilian populations, and the continued use of chemical weapons against civilians, constitute war crimes and crimes against humanity.

(11) Physicians for Human Rights reported that, between March 2011 and the end of December 2017, Syrian government and allied forces—

(A) had committed 446 attacks on 330 separate medical facilities (including through the use of indiscriminate barrel bombs on at least 80 occasions); and

(B) had killed 847 medical personnel.

(12) The Department of State’s 2017 Country Reports on Human Rights Practices—

(A) states that President Bashar al-Assad “engaged in frequent violations and abuses, in-
including massacres, indiscriminate killings, kidnapping of civilians, arbitrary detentions, and rape as a war tactic.”;

(B) explains that “these attacks included bombardment with improvised explosive devices, commonly referred to as ‘barrel bombs’ . . .”; and

(C) reports that “[t]he government [of Syria] continued the use of torture and rape, including of children”.

(13) In February 2016, COI reported that—

(A) “crimes against humanity continue to be committed by [Syrian] Government forces and by ISIS”;

(B) the Syrian government has “committed the crimes against humanity of extermination, murder, rape or other forms of sexual violence, torture, imprisonment, enforce disappearance and other inhuman acts”; and

(C) “[a]ccountability for these and other crimes must form part of any political solution”.

(14) Credible civil society organizations collecting evidence of war crimes, crimes against humanity, and genocide in Syria report that at least 12
countries in western Europe and North America have requested assistance on investigating such crimes.

(15) In April 2018, the COI—

(A) reported at least 34 chemical attacks during the period beginning in 2013 and ending in January 2018, many of which—

(i) used chlorine or sarin, a nerve agent; and

(ii) were conducted by the Government of Syria.

(16) According to the World Health Organization, following the April 7, 2018, chemical weapons attack in Douma, Eastern Ghouta, an estimated 500 people were treated for “signs and symptoms consistent with exposure to toxic chemicals”.

(17) On April 13, 2018, United States Ambassador to the United States Nikki Haley stated: “The United States estimates that Assad has used chemical weapons in the Syrian war at least 50 times. Public estimates are as high as 200.”

(b) SENSE OF CONGRESS.—Congress—

(1) strongly condemns—

(A) the ongoing violence, use of chemical weapons, targeting of civilian populations with barrel, incendiary, and cluster bombs and SCUD
missiles, and systematic gross human rights violations carried out by the Government of Syria and pro-government forces under the direction of President Bashar al-Assad; and

(B) all abuses committed by violent extremist groups and other combatants involved in the civil war in Syria;

(2) expresses its support for the people of Syria seeking democratic change;

(3) urges all parties to the conflict—

(A) to immediately halt indiscriminate attacks on civilians;

(B) to allow for the delivery of humanitarian and medical assistance; and

(C) to end sieges of civilian populations;

(4) calls on the President to support efforts in Syria, and on the part of the international community, to ensure accountability for war crimes, crimes against humanity, and genocide committed during the conflict; and

(5) supports the request in United Nations Security Council Resolutions 2139 (2014), 2165 (2014), and 2191 (2014) for the Secretary-General to regularly report to the Security Council on implementation on the resolutions, including of paragraph 2 of
Resolution 2139, which “demands that all parties im-
mediately put an end to all forms of violence [and]
cease and desist from all violations of international
humanitarian law and violations and abuses of
human rights”.

(c) REPORT ON ACCOUNTABILITY FOR WAR CRIMES,
CRIMES AGAINST HUMANITY, AND GENOCIDE IN SYRIA.—

(1) IN GENERAL.—The Secretary of State shall
submit a report on war crimes, crimes against hu-
manity, and genocide in Syria to the appropriate
congressional committees not later than 90 days after
the date of the enactment of this Act and another such
report not later than 180 days after the Secretary of
State determines that the violence in Syria has
ceased.

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

(A) a description of alleged war crimes,
crimes against humanity, and genocide per-
petrated during the civil war in Syria, includ-
ing—

(i) incidents that may constitute war
crimes, crimes against humanity, or geno-

cide committed by the regime of President
Bashar al-Assad and all forces fighting on its behalf;

(ii) incidents that may constitute war crimes, crimes against humanity, or genocide committed by violent extremist groups, anti-government forces, and any other combatants in the conflict;

(iii) any incidents that may violate the principle of medical neutrality and, if possible, the identification of the individual or individuals who engaged in or organized such incidents; and

(iv) if possible, a description of the conventional and unconventional weapons used for such crimes and the origins of such weapons; and

(B) a description and assessment by the Department of State Office of Global Criminal Justice, the United States Agency for International Development, the Department of Justice, and other appropriate agencies of programs that the United States Government has undertaken to ensure accountability for war crimes, crimes against humanity, and genocide perpetrated against the people of Syria by the regime of Bashar al-Assad and all forces fighting on its behalf;
President Bashar al-Assad, violent extremist
groups, and other combatants involved in the
conflict, including programs—

(i) to train investigators within and
outside of Syria on how to document, inves-
tigate, develop findings of, and identify and
locate alleged perpetrators of war crimes,
crimes against humanity, or genocide, in-
cluding—

(I) the number of United States
Government or contract personnel cur-
tently designated to work full-time on
these issues; and

(II) the identification of the au-
thorities and appropriations being
used to support such training efforts;

(ii) to promote and prepare for a tran-
sitional justice process or processes for the
perpetrators of war crimes, crimes against
humanity, and genocide in Syria beginning
in March 2011;

(iii) to document, collect, preserve, and
protect evidence of war crimes, crimes
against humanity, and genocide in Syria,
including support for Syrian, foreign, and
international nongovernmental organizations, and other entities, including the International, Impartial and Independent Mechanism to Assist in the Investigation and Prosecution of Persons Responsible for the Most Serious Crimes under International Law Committed in the Syrian Arab Republic since March 2011 and the Independent International Commission of Inquiry on the Syrian Arab Republic; and (iv) to assess the influence of accountability measures on efforts to reach a negotiated settlement to the Syrian conflict during the reporting period.

(3) FORM.—The report required under paragraph (1) may be submitted in unclassified or classified form, but shall include a publicly available annex.

(4) PROTECTION OF WITNESSES AND EVIDENCE.—The Secretary shall take due care to ensure that the identification of witnesses and physical evidence are not publicly disclosed in a manner that might place such persons at risk of harm or encourage the destruction of evidence by the Government of Syria, violent extremist groups, anti-government
forces, or any other combatants or participants in the
cflict.

(d) TRANSITIONAL JUSTICE STUDY.—Not later than
180 days after the date of the enactment of this Act, the
Secretary of State (acting through appropriate officials and
offices, which may include the Office of Global Criminal
Justice), after consultation with the Department of Justice,
the United States Agency for International Development,
and other appropriate Federal agencies, shall—

(1) complete a study of the feasibility and desir-
ability of potential transitional justice mechanisms
for Syria, including a hybrid tribunal, to address
war crimes, crimes against humanity, and genocide
perpetrated in Syria beginning in March 2011; and

(2) submit a detailed report of the results of the
study conducted under paragraph (1), including rec-
ommendations on which transitional justice mecha-
nisms the United States Government should support,
why such mechanisms should be supported, and what
type of support should be offered, to—

(A) the Committee on Foreign Relations of
the Senate;

(B) the Committee on Foreign Affairs of the
House of Representatives;
(C) the Committee on Appropriations of the Senate; and

(D) the Committee on Appropriations of the House of Representatives.

(e) TECHNICAL ASSISTANCE AUTHORIZED.—

(1) IN GENERAL.—The Secretary of State (acting through appropriate officials and offices, which may include the Office of Global Criminal Justice), after consultation with the Department of Justice and other appropriate Federal agencies, is authorized to provide appropriate assistance to support entities that, with respect to war crimes, crimes against humanity, and genocide perpetrated by the regime of President Bashar al-Assad, all forces fighting on its behalf, and all non-state armed groups fighting in the country, including violent extremist groups in Syria beginning in March 2011—

(A) identify suspected perpetrators of war crimes, crimes against humanity, and genocide;

(B) collect, document, and protect evidence of crimes and preserve the chain of custody for such evidence;

(C) conduct criminal investigations;

(D) build Syria’s investigative and judicial capacities and support prosecutions in the do-
mestic courts of Syria, provided that President Bashar al-Assad is no longer in power;

(E) support investigations by third-party states, as appropriate; or

(F) protect witnesses that may be helpful to prosecutions or other transitional justice mechanisms.

(2) ADDITIONAL ASSISTANCE.—The Secretary of State, after consultation with appropriate Federal agencies and the appropriate congressional committees, and taking into account the findings of the transitional justice study required under subsection (e), is authorized to provide assistance to support the creation and operation of transitional justice mechanisms, including a potential hybrid tribunal, to prosecute individuals suspected of committing war crimes, crimes against humanity, or genocide in Syria beginning in March 2011.

(3) BRIEFING.—The Secretary of State shall provide detailed, biannual briefings to the appropriate congressional committees describing the assistance provided to entities described in paragraph (1).

(f) STATE DEPARTMENT REWARDS FOR JUSTICE PROGRAM.—Section 36(b)(10) of the State Department Basic Authorities Act of 1956 (22 U.S.C. 2708(b)(10)) is amended
by inserting “(including war crimes, crimes against hu-
manity, or genocide committed in Syria beginning in
March 2011)” after “genocide”.

(g) INDEPENDENT INTERNATIONAL COMMISSION OF
INQUIRY ON THE SYRIAN ARAB REPUBLIC.—The Secretary
of State, acting through the United States Permanent Rep-
resentative to the United Nations, should use the voice, vote,
and influence of the United States at the United Nations
to advocate that the United Nations Human Rights Coun-
cil, while the United States remains a member, annually
extend the mandate of the Independent International Com-
mission of Inquiry on the Syrian Arab Republic until the
Commission has completed its investigation of all alleged
violations of international human rights laws beginning in
March 2011 in the Syrian Arab Republic.

(h) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMIT-
TEES.—The term “appropriate congressional commit-
tees” means—

(A) the Committee on Foreign Relations of
the Senate;

(B) the Committee on Armed Services of the
Senate;

(C) the Committee on Foreign Affairs of the
House of Representatives; and
(D) the Committee on Armed Services of the House of Representatives.

(2) GENOCIDE.—The term “genocide” means any offense described in section 1091(a) of title 18, United States Code.

(3) HYBRID TRIBUNAL.—The term “hybrid tribunal” means a temporary criminal tribunal that involves a combination of domestic and international lawyers, judges, and other professionals to prosecute individuals suspected of committing war crimes, crimes against humanity, or genocide.

(4) TRANSITIONAL JUSTICE.—The term “transitional justice” means the range of judicial, non-judicial, formal, informal, retributive, and restorative measures employed by countries transitioning out of armed conflict or repressive regimes—

(A) to redress legacies of atrocities; and

(B) to promote long-term, sustainable peace.

(5) WAR CRIME.—The term “war crime” has the meaning given the term in section 2441(c) of title 18, United States Code.

SEC. 6204. CLARIFICATION OF LIMITATION ON THE TRANSFER OF THE F–35 TO TURKEY.

The limitation on the transfer of the F–35 to Turkey in section 1269(c) shall apply to the transfer or delivery
SEC. 6205. REPORT ON HONDURAS, GUATEMALA, AND EL SALVADOR.

(a) In general.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Director of National Intelligence, shall submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report regarding narcotics trafficking corruption and illicit campaign finance in Honduras, Guatemala, and El Salvador.

(b) Matters to be included.—The report required under subsection (a) shall include—

(1) the names of senior government officials in Honduras, Guatemala, and El Salvador who are known to have committed or facilitated acts of grand corruption or narcotics trafficking;

(2) the names of elected officials in Honduras, Guatemala, and El Salvador who are known to have received campaign funds that are the proceeds of narco-trafficking or other illicit activities in the last 2 years; and
(3) the names of individuals in Honduras, Guatemala, and El Salvador who are known to have facilitated the financing of political campaigns in any of the Northern Triangle countries with the proceeds of narco-trafficking or other illicit activities in the last 2 years.

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

SEC. 6206. REPORT ON ARMS EMBARGO ON CYPRUS.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense and the Secretary of State shall jointly submit to the appropriate congressional committees a report on the current impact of the United States arms embargo on the Republic of Cyprus.

(b) MATTERS TO BE INCLUDED.—The report required under subsection (a) shall include the following:

(1) A list of items that have been requested by Cyprus from the United States, but have been denied under the arms embargo referred to in such subsection.

(2) An analysis of the impact that lifting the arms embargo would have on United States interests
related to the island of Cyprus and the Eastern Mediterranean region.

(3) An analysis of how the arms embargo is being complied with in areas controlled by Cyprus, and in occupied northern Cyprus, and whether any party has violated the letter or spirit of the arms embargo.

(4) An analysis of how the arms embargo against Cyprus impacts the ability of the United States and its partners to combat threats in the Mediterranean region.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives; and

(2) the Committee on Armed Services and the Committee on Foreign Relations of the Senate.
TITLE LXVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

SEC. 6601. TECHNICAL CORRECTIONS TO CERTAIN CYBERSPACE MATTERS.

(a) Scope of Policy of the United States on Cyberspace, Cybersecurity, Cyber Warfare, and Cyber Deterrence.—The policy of the United States on cyberspace, cybersecurity, cyber warfare, and cyber deterrence under section 1621(a) shall apply to cyber attacks and malicious cyber activities described in that section by a foreign power rather than to any cyber attacks and malicious cyber activities described in that section.

(b) Scope of Authority to Disrupt, Defeat, and Deter Cyber Attacks of the Russian Federation.—The authority to disrupt, defeat, and deter cyber attacks of the Russian Federation in section 1623(a)(1) shall apply to authority to take appropriate and proportional action described in that section in foreign cyberspace rather than in any cyberspace.

SEC. 6602. TIER 1 EXERCISE OF SUPPORT TO CIVIL AUTHORITIES FOR A CYBER INCIDENT.

(a) In General.—The Commander of the United States Cyber Command, the Commander of United States Northern Command, and such other commands or compo-
ments of the Department of Defense as the Secretary of De-
defense considers appropriate, shall, consistent with the rec-
ommendations made by the Comptroller General of the
United States in the Government Accountability Office re-
port GAO–16–574, conduct a tier 1 exercise of support to
civil authorities for a cyber incident.

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

(1) Department level leadership and decision-
making for providing cyber support to civil authori-
ties.

(2) Testing of the policy, guidance, doctrine and
other elements in the Department of Defense Cyber
Incident Coordinating Procedure.

(3) Operational planning and execution by the
Joint Staff and supported and supporting combatant
commands.

(4) Coordination with, and incorporation of, as
appropriate, the Department of Homeland Security,
the Federal Bureau of Investigation, and elements
across Federal and State governments and the private
sector.
SEC. 6603. REPORT ON STRENGTHENING NATO CYBER DEFENSE.

(a) SENSE OF SENATE.—It is the sense of the Senate that the Department of Defense should continue to cooperate with the North Atlantic Treaty Organization (NATO) and key Organization allies in order to promote the common defense in the cyberspace domain as well as to deter cyberattacks.

(b) REPORT REQUIRED.—

(1) IN GENERAL.—Not later than March 31, 2019, the Secretary of Defense shall submit to the congressional defense committees a report detailing the Department’s efforts to enhance the United States’ leadership and collaboration with the North Atlantic Treaty Organization with respect to the development of a comprehensive, cross-domain strategy to build cyber-defense capacity and deter cyber attacks among Organization member countries.

(2) CONTENTS.—The report required by paragraph (1) shall address the following:

(A) Improving cyber situational awareness among Organization member countries.

(B) Implementation of the cyber operational-domain roadmap of the Organization with respect to doctrine, political oversight and
governance, planning, rules of engagement, and integration across member countries.

(C) Planned cooperative efforts to combat information warfare across Organization member countries.

(D) The development of cyber capabilities, including cooperative development efforts and technology transfer.

(E) Supporting stronger cyber partnerships with non-Organization member countries as appropriate.

SEC. 6604. BRIEFING ON CYBER EDUCATION AND TRAINING.

(a) SENSE OF THE SENATE.—It is the sense of the Senate that—

(1) traditional approaches to cyber training focused solely on tactics, techniques, and procedures that hackers have used in the past may be inadequate for the challenges facing the cyber workforce of the Department of Defense because they fail to focus on future threats;

(2) such workforce encounters an information gap when conducting training derived from events that have already occurred rather than training developed for the evolving nature of cyber threats in real time, and cyber certifications such as Security + and
CISSP are based on preventing vulnerabilities, exploits, and gaps identified in the past and lose relevance depending on when the courseware was updated;

(3) bridging the gap in cyber training between curriculum that has been built on legacy data versus training built on current real world cyberattacks is a meaningful area of cyber training research, curriculum development, and instruction delivery that should be addressed; and

(4) universities and private industry are, and will continue to be, critical partners in the education and training of our future cyber force, and developing partnerships with such universities and industry will be crucial in staying informed of the latest best practices in the cyber domain.

(b) BRIEFING REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall brief the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives on how the Department of Defense can leverage and partner with universities and industry on cyber education and training.

(c) ELEMENTS.—The briefing required by subsection (a) shall include discussion of the following:
(1) Current partnerships and ability to expand and leverage such partnerships to improve cyber education and training.

(2) Existing curriculum relating to cyber education and training and recommendations for changes to ensure relevance of such education and training to future threats.

(3) Joint development of curriculum, courseware, and research projects.

(4) Joint use of instructors and of facilities.

(5) Recommendations for legislative or administrative action to improve cyber education and training partnerships.

SEC. 6605. REPORT ON DEVELOPMENT OF LONG-RANGE STAND-OFF WEAPON.

(a) Report Required.—Not later than 90 days after the date of the enactment of this Act, and every 180 days thereafter until December 31, 2024, the Secretary of the Air Force shall, in coordination with the Administrator for Nuclear Security, submit to the congressional defense committees a report describing the joint development of the long-range stand-off weapon, including the missile developed by the Air Force and the W80–4 warhead life extension program conducted by the National Nuclear Security Administration.
(b) **ELEMENTS.**—The report required by subsection (a) shall include the following:

(1) An estimate of the date on which the long-range stand-off weapon will reach initial operating capability.

(2) A description of any development milestones for the missile developed by the Air Force or the warhead developed by the National Nuclear Security Administration that depend on corresponding progress at the other agency.

(3) A description of coordination efforts between the Air Force and the National Nuclear Security Administration during the 180 days preceding submission of the report.

(4) A description of any schedule delays projected by the Air Force or the National Nuclear Security Administration and the anticipated effect such delays would have on the other agency’s schedule of work.

(5) Plans to mitigate the effects of any delays described in paragraph (4).

(6) A description of any ways, including through the availability of additional funding or authorities, in which the development milestones described in paragraph (2) or the estimated date of initial oper-
ating capability referred to in paragraph (1), could be achieved more quickly.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form but may include a classified annex.

TITLE LXVII—COMMITTEE ON FOREIGN INVESTMENT IN THE UNITED STATES

SEC. 6701. INEFFECTIVENESS OF SECTION 1727.

Section 1727, relating to a prohibition on modification of civil penalties under export control and sanctions laws, shall have no force or effect.

SEC. 6702. PROHIBITION ON MODIFICATION OF CIVIL PENALTIES UNDER EXPORT CONTROL AND SANCTIONS LAWS AND PROHIBITION ON CERTAIN TELECOMMUNICATIONS EQUIPMENT.

(a) PROHIBITION ON MODIFICATION OF PENALTIES.—

(1) IN GENERAL.—Notwithstanding any other provision of law, no Federal official may modify any penalty, including a penalty imposed pursuant to a denial order, implemented by the Government of the United States with respect to a Chinese telecommunications company pursuant to a determination that the company has violated an export control or sanctions law of the United States until the date that is
30 days after the President certifies to the appropriate congressional committees that the company—

(A) has not, for a period of one year, conducted activities in violation of the laws of the United States; and

(B) is fully cooperating with investigations into the activities of the company conducted by the Government of the United States, if any.

(2) **Reinstatement of Penalties or Suspended Order.**—

(A) In General.—If, before the date of the enactment of this Act, any penalty imposed pursuant to the order of the Acting Assistant Secretary of Commerce for Export Enforcement entitled “Order Activating Suspended Denial Order Relating to Zhongxing Telecommunications Equipment Corporation and ZTE Kangxun Telecommunications Ltd.” (83 Fed. Reg. 17644), and dated April 15, 2018, is reduced or eliminated, or that order is suspended, on such date of enactment, that penalty shall be reinstated to the penalty in place before such reduction or elimination, or that order shall be reinstated, as the case may be.
(B) ADDITIONAL MODIFICATIONS.—Any modification to a penalty imposed pursuant to the order described in subparagraph (A) on or after the date of the enactment of this Act shall be subject to the requirements of paragraph (1).

(b) PROHIBITION ON USE OR PROCUREMENT.—The head of an executive agency may not—

(1) procure or obtain or extend or renew a contract to procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system; or

(2) enter into a contract (or extend or renew a contract) with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

(c) PROHIBITION ON LOAN AND GRANT FUNDS.—The head of an executive agency may not obligate or expend loan or grant funds to procure or obtain, extend or renew a contract to procure or obtain, or enter into a contract (or extend or renew a contract) to procure or obtain the equipment, services, or systems described in subsection (b).
(d) **Effective Dates.**—The prohibitions under subsection (b)(1) and subsection (c) shall take effect 180 days after the date of the enactment of this Act and the prohibition under subsection (b)(2) shall take effect three years after the date of the enactment of this Act.

(e) **Rule of Construction.**—Nothing in subsection (b) or (c) shall be construed to—

1. prohibit the head of an executive agency from procuring with an entity to provide a service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

2. cover telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(f) **Definitions.**—In this section:

1. **Appropriate Congressional Committees.**—The term “appropriate congressional committees” means—

   (A) the Committee on Banking, Housing, and Urban Affairs and the Committee on Foreign Relations of the Senate; and
(B) the Committee on Financial Services and the Committee on Foreign Affairs of the House of Representatives.

(2) COVERED FOREIGN COUNTRY.—The term “covered foreign country” means the People’s Republic of China.

(3) COVERED TELECOMMUNICATIONS EQUIPMENT OR SERVICES.—The term “covered telecommunications equipment or services” means any of the following:

(A) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

(B) Telecommunications services provided by such entities or using such equipment.

(C) Telecommunications equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.
(4) **EXECUTIVE AGENCY.**—The term “executive agency” has the meaning given the term in section 133 of title 41, United States Code.

(g) **TREATMENT OF PROVISION RELATING TO PROHIBITION ON CERTAIN TELECOMMUNICATIONS EQUIPMENT.**—Section 891, relating to a prohibition on certain telecommunications equipment, shall have no force or effect.

**TITLE LXXVIII—MILITARY CONSTRUCTION AND GENERAL PROVISIONS**

**SEC. 6801. CLARIFICATION TO INCLUDE NATIONAL GUARD INSTALLATIONS IN READINESS AND ENVIRONMENTAL PROTECTION INTEGRATION PROGRAM.**

(a) **SENSE OF CONGRESS.**—It is the sense of Congress that—

(1) State-owned National Guard installations have always qualified as military installations under section 2684a of title 10, United States Code; and

(2) State-owned National Guard installations should continue to qualify as military installations under section 2684a of that section.

(b) **CLARIFICATION.**—

(1) **IN GENERAL.**—Section 2684a(a) of title 10, United States Code, is amended by inserting “, as
well as a State-owned National Guard installation,”

after “military installation”.

(2) **Retroactive Effect.**—The amendment
made by paragraph (1) shall take effect as of Decem-
ber 2, 2002.

**SEC. 6802. RELEASE OF RESTRICTIONS, UNIVERSITY OF**
**CALIFORNIA, SAN DIEGO.**

(a) **Release.**—The Secretary of the Navy may, upon
receipt of full consideration as provided in subsection (b),
release to the Regents of the University of California (in
this section referred to as the “University of California”)
all remaining right, title, and interest of the United States,
including restrictions on use imposed by deed or otherwise
and reversionary rights, in and to a parcel of real property
consisting of approximately 495 acres that comprises part
of the San Diego campus of the University of California.

(b) **Consideration.**—

(1) **Consideration Required.**—As consider-
ation for the release under subsection (a), the Univer-
sity of California shall provide an amount that is ac-
ceptable to the Secretary of the Navy, whether by cash
payment, in-kind consideration as described under
paragraph (2), or a combination thereof, at such time
as the Secretary may require. The consideration
under this paragraph shall be based on an appraisal

† HR 5515 PAP
approved by the Secretary of the value to the Department of the Navy of the restrictions released under subsection (a), except that in determining the value of such restrictions, there shall be excluded the value of any existing improvements to the property made by or on behalf of the University of California and the value of the University of California’s existing rights to the property.

(2) IN-KIND CONSIDERATION.—In-kind consideration provided by the University of California under paragraph (1) may include goods or services that benefit the Department of the Navy and may take into consideration the value which has accrued to the Department of the Navy from the San Diego campus of the University of California’s research, education, and clinical care activities, as well as the contracts, grants, and other collaborations between the Department of the Navy and the San Diego campus of the University of California.

(3) TREATMENT OF CONSIDERATION RECEIVED.—Consideration in the form of cash payment received by the Secretary under paragraph (1) shall be deposited in the separate fund in the Treasury described in section 572(a)(1) of title 40, United States Code.
(c) Payment of Costs of Release.—

(1) Payment Required.—The Secretary of the Navy shall require the University of California to cover costs to be incurred by the Secretary, or to reimburse the Secretary for such costs incurred by the Secretary, to carry out the release under subsection (a), including survey costs, costs for environmental documentation related to the release, and any other administrative costs related to the release. If amounts are collected from the University of California in advance of the Secretary incurring the actual costs, and the amount collected exceeds the costs actually incurred by the Secretary to carry out the release, the Secretary shall refund the excess amount to the University of California.

(2) Treatment of Amounts Received.—Amounts received as reimbursement under paragraph (1) shall be credited to the fund or account that was used to cover the costs incurred by the Secretary in carrying out the release under subsection (a) or, if the period of availability of obligations for that appropriation has expired, to the appropriations of a fund that is currently available to the Secretary for the same purpose. Amounts so credited shall be merged with amounts in such fund or account and shall be
available for the same purposes, and subject to the
same conditions and limitations, as amounts in such
fund or account.

(d) **Description of Property.**—The exact acreage
and legal description of the real property that is the subject
of the release under subsection (a) shall be determined by
a survey or other documentation satisfactory to both the
Secretary of the Navy and the University of California.

(e) **Reversionary Interest.**—The Secretary may
amend the conveyance instrument to establish a period of
applicability of a reversionary interest consistent with con-
veyances for educational purposes with the period com-
mencing with the date of the original conveyance.

(f) **Additional Terms and Conditions.**—The Sec-
retary of the Navy may require such additional terms and
conditions in connection with the release under subsection
(a) as the Secretary considers appropriate to protect the
interests of the United States.

**SEC. 6803. Plan to Allow Increased Public Access to**

**The National Naval Aviation Museum**

**And Barrancas National Cemetery,**

**Naval Air Station Pensacola.**

Not later than 90 days after the date of the enactment
of this Act, the Secretary of the Navy shall submit to the
congressional defense committees a plan to allow increased
public access to the National Naval Aviation Museum and Barrancas National Cemetery at Naval Air Station Pensacola.

**TITLE LXXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**

**SEC. 7101. ADDITIONAL AMOUNTS FOR INERTIAL CONFINEMENT FUSION AND HIGH YIELD PROGRAM.**

(a) In General.—Notwithstanding the amounts specified in the funding table in section 4701, the total amount authorized to be appropriated to the Department of Energy for fiscal year 2019 for research, development, test and evaluation and available for the inertial confinement fusion and high yield program shall be $518,927,000, to be allocated as follows:

1. Ignition, $69,575,000.
2. Support of other stockpile programs, $22,565,000.
3. Diagnostics, cryogenics, and experimental support, $74,194,000.
4. Pulsed power inertial confinement fusion, $8,310,000.
5. Joint program in high energy density laboratory plasmas, $9,492,000.
(6) Facility operations and target production,
$334,791,000.

(b) Offset.—The amount authorized to be appropriated to the Department of Energy for fiscal year 2019 by section 3102 and available as specified in the funding table in section 4701 for defense environmental cleanup for excess facilities is hereby reduced by $100,000,000.

TITLE LXXXV—MARITIME ADMINISTRATION

SEC. 7501. INEFFECTIVENESS OF TITLE XXXV.
Title XXXV shall have no force or effect.

SEC. 7502. AUTHORIZATION OF THE MARITIME ADMINISTRATION.

(a) Authorization of Appropriations.—There are authorized to be appropriated to the Department of Transportation for fiscal year 2019, to be available without fiscal year limitation if so provided in appropriations Acts, the following amounts for programs associated with maintaining the United States merchant marine:

(1) For expenses necessary for operations of the United States Merchant Marine Academy, $69,000,000 for Academy operations.

(2) For expenses necessary to support the State maritime academies, $32,200,000, of which—
(A) $2,400,000 shall remain available until September 30, 2020, for the Student Incentive Program;

(B) $6,000,000 shall remain available until expended for direct payments to such academies;

(C) $22,000,000 shall remain available until expended for maintenance and repair of State maritime academy training vessels; and

(D) $1,800,000 shall remain available until expended for training ship fuel assistance.

(3) For expenses necessary to support the National Security Multi-Mission Vessel Program, $300,000,000, which shall remain available until expended.

(4) For expenses necessary to support Maritime Administration operations and programs, $60,442,000, of which $5,000,000 shall remain available until expended for port infrastructure development under section 50302 of title 46, United States Code.

(5) For expenses necessary to dispose of vessels in the National Defense Reserve Fleet, $6,000,000, which shall remain available until expended.

(6) For expenses necessary to maintain and preserve a United States flag merchant marine to serve
the national security needs of the United States under chapter 531 of title 46, United States Code, $300,000,000.

(7) For expenses necessary for the loan guarantee program authorized under chapter 537 of title 46, United States Code, $33,000,000, of which—

(A) $30,000,000 may be used for the cost (as defined in section 502(5) of the Federal Credit Reform Act of 1990 (2 U.S.C. 661a(5))) of loan guarantees under the program; and

(B) $3,000,000 may be used for administrative expenses relating to loan guarantee commitments under the program.

(b) CAPITAL ASSET MANAGEMENT PROGRAM REPORT.—Not later than 180 days after the date of the enactment of this Act, the Maritime Administrator shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives a report on the status of unexpended appropriations for capital asset management at the United States Merchant Marine Academy, and the plan for expending such appropriations.
SEC. 7503. CONCURRENT JURISDICTION.

Notwithstanding any other law, the Secretary of Transportation may relinquish, at the Secretary’s discretion, to the State of New York, such measure of legislative jurisdiction over the lands constituting the United States Merchant Marine Academy in King’s Point, New York, as is necessary to establish concurrent jurisdiction between the Federal Government and the State of New York. Such partial relinquishment of legislative jurisdiction shall be accomplished—

(1) by filing with the Governor of New York a notice of relinquishment to take effect upon acceptance thereof; or

(2) as the laws of that State may provide.

SEC. 7504. UNITED STATES MERCHANT MARINE ACADEMY

POLICY ON SEXUAL HARASSMENT, DATING VIOLENCE, DOMESTIC VIOLENCE, SEXUAL ASSAULT, AND STALKING.

(a) Policy on Sexual Harassment, Dating Violence, Domestic Violence, Sexual Assault, and Stalking.—Section 51318 of title 46, United States Code, is amended—

(1) in subsection (a)(2)—

(A) in subparagraph (A), by inserting “and prevention” after “awareness”;
(B) by redesignating subparagraph (B) as subparagraph (C), and subparagraphs (C) through (F) as subparagraphs (E) through (H), respectively;

(C) by inserting after subparagraph (A) the following:

“(B) procedures for documenting, tracking, and maintaining the data required to conduct the annual assessments to determine the effectiveness of the policies, procedures, and training program of the Academy with respect to sexual harassment, dating violence, domestic violence, sexual assault, and stalking involving cadets or other Academy personnel, as required by subsection (c);”; and

(D) by inserting after subparagraph (C), as redesignated by subparagraph (B), the following:

“(D) procedures for investigating sexual harassment, dating violence, domestic violence, sexual assault, or stalking involving a cadet or other Academy personnel to determine whether disciplinary action is necessary;”;

(2) in subsection (b)(2)(A), by inserting “and other Academy personnel” after “cadets at the Academy”; and
(3) in subsection (d)—

(A) in paragraph (2)(A) by inserting “, including sexual harassment,” after “sexual assaults, rapes, and other sexual offenses”; and

(B) in paragraph (4)(B), by striking “The Secretary” and inserting “Not later than January 15 of each year, the Secretary”.

(b) IMPLEMENTATION.—The Superintendent of the United States Merchant Marine Academy may implement the amendment to subsection (b)(2)(A) of section 51318 of title 46, United States Code, made by subsection (a)(2), by updating an existing plan issued pursuant to the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

SEC. 7505. REPORT ON IMPLEMENTATION OF RECOMMENDATIONS FOR THE UNITED STATES MERCHANT MARINE ACADEMY SEXUAL ASSAULT PREVENTION AND RESPONSE PROGRAM.

Not later than April 1, 2019, the Maritime Administrator shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives a report describing the progress of the Maritime Administration in im-

**SEC. 7506. REPORT ON THE APPLICATION OF THE UNIFORM CODE OF MILITARY JUSTICE TO THE UNITED STATES MERCHANT MARINE ACADEMY.**

(a) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Maritime Administrator shall submit a report to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives on the impediments to the application of the Uniform Code of Military Justice at the United States Merchant Marine Academy.

(b) CONSULTATION.—The Maritime Administrator may, in preparing the report under subsection (a), consult with the Department of Defense, other Federal agencies, and non-Federal entities, as appropriate.
SEC. 7507. ELECTRONIC RECORDS ON MARINER AVAILABILITY TO MEET NATIONAL SECURITY NEEDS.

Section 7502 of title 46, United States Code, is amended—

(1) by redesignating subsection (c) as subsection (d); and

(2) by inserting after subsection (b) the following:

“(c) The Secretary shall coordinate with the Secretary of Transportation to ensure that, to the extent feasible, electronic records provide information on mariner availability and respective credentials to meet national security needs for credentialed mariners crewing strategic sealift vessels.”.

SEC. 7508. SMALL SHIPYARD GRANTS.

Section 54101(b) of title 46, United States Code, is amended—

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

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

“(2) TIMING OF GRANT NOTICE.—The Administrator shall post a Notice of Funding Opportunity regarding grants awarded under this section not more than 15 days after the date of enactment of the appropriations Act for the fiscal year concerned.”; and
(3) in paragraph (4), as redesignated by paragraph (1), by striking “paragraph (2)” and inserting “paragraph (3)”.

SEC. 7509. DOMESTIC SHIP RECYCLING FACILITIES.


(1) by redesignating subsections (c) through (f) as subsections (d) through (g), respectively; and

(2) by inserting after subsection (b) the following:

“(c) SCRAPPING OF IMPORTED VESSELS.—

“(1) IN GENERAL.—Notwithstanding any other provision of law, domestic ship scrapping facilities selected by the Secretary of Transportation in accordance with subsection (b) may import into the United States, for the purpose of dismantling, marine vessels that contain regulated levels of polychlorinated biphenyls that are integral to a vessel’s structure, equipment, or systems necessary for its operation.

“(2) NO TSCA PRIOR AUTHORIZATION REQUIRED.—In lieu of rulemaking by the Administrator of the Environmental Protection Agency under section 6(e) of the Toxic Substances Control Act (15 U.S.C. 2605(e)), imports of vessels containing regulated levels
of polychlorinated biphenyls shall be subject to prior
notification and consent in accordance with this sub-
section.

“(3) NOTIFICATION.—

“(A) CONTENTS.—An importer of 1 or more
vessels containing regulated levels of poly-
chlorinated biphenyls shall submit a notification
to the Environmental Protection Agency not less
than 75 days before a vessel is imported into the
United States under this subsection. The import
notification may cover up to one year of ship-
ments of vessels containing regulated levels of
polychlorinated biphenyls being sent to the same
ship scrapping facility, and shall contain, at a
minimum, the following items:

“(i) The name, contact name, address,
television number, email address, and EPA
Identification Number (if applicable) of the
ship scrapping facility and the recognized
trader, if the ship scrapping facility is not
the importer.

“(ii) The name, contact name, address,
television number, email address, and EPA
Identification Number (if applicable) of
each facility where polychlorinated
biphenyls or hazardous materials contained
on a vessel will be stored and disposed of,
including any polychlorinated biphenyls
storage or disposal facility approved under
the Toxic Substances Control Act (15 U.S.C.
2601 et seq.).

“(iii) The types of polychlorinated
biphenyls or polychlorinated biphenyls
items expected to be removed from the ves-
sels.

“(iv) The number of vessels proposed
for import and maximum tonnage.

“(v) The period of time covered by the
import notice (not to exceed one year) and
the start and end dates of shipment.

“(B) FORM.—Each notice under this para-
graph shall be clearly marked ‘PCB Waste Im-
port Notice’ and shall be submitted to the Envi-
ronmental Protection Agency in such form and
manner as the Environmental Protection Agency
may require.

“(C) REVISED NOTIFICATION.—If an im-
porter wishes to change any of the information
specified on the original notification, the im-
porter must submit a revised notification, con-
taining notification of the changes, to the Environ-
ment Protection Agency.

“(4) Consent.—

“(A) In general.—An importer shall not import vessels containing regulated levels of polychlorinated biphenyls until the importer has received consent from the Administrator of the Environmental Protection Agency.

“(B) Terms.—Importers shall only import vessels under the terms of the consent issued by the Administrator of the Environmental Protection Agency under this paragraph and subject to the condition that the facility shall establish a valid written contract, chain of contracts, or equivalent arrangements with other United States facilities, where applicable, to manage the polychlorinated biphenyls and hazardous waste expected to be removed from the vessel or vessels.

“(5) Report to the Environmental Protection Agency.—Any ship scrapping facility authorized by this subsection to import vessels containing regulated levels of polychlorinated biphenyls shall file with the Administrator of the Environmental Protection Agency, not later than April 1 of each year, a
report providing, for each vessel imported in accordance with this subsection, the following information:

“(A) The vessel name and approximated tonnage.

“(B) Registration number and flag of the vessel.

“(C) The date of import.

“(D) The types, quantities, and final destination of all polychlorinated biphenyls and hazardous waste removed.

“(E) The EPA-issued consent number under which the vessel was imported.

“(6) APPLICABLE LAWS.—Once a vessel has been imported pursuant to this subsection, the manufacturing, processing, distribution in commerce, use, and disposal of any polychlorinated biphenyls and hazardous waste contained on the vessel shall be carried out in accordance with applicable Federal, State, and local laws and regulations.

“(7) AUTHORITY.—The Administrator of the Environmental Protection Agency may promulgate additional standards or procedures for the import of ships that contain regulated levels of polychlorinated biphenyls and hazardous waste, for the purpose of recycling, under this subsection, if—
“(A) the benefits of such additional standards or procedures exceed the costs of those standards or procedures;

“(B) not later than 180 days prior to promulgating such additional standards or procedures, the Administrator of the Environmental Protection Agency submits a report to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Transportation and Infrastructure of the House of Representatives demonstrating compliance with subparagraph (A) and the reasons such standards or procedures are necessary; and

“(C) the Administrator of the Environmental Protection Agency receives the concurrence of the Maritime Administrator on any such additional standards or procedures.”.

SEC. 7510. SEA YEAR ON CONTRACTED VESSELS.

Section 51307 of title 46, United States Code, is amended—

(1) by striking “The Secretary” and inserting the following:

“(a) IN GENERAL.—The Secretary;
(2) in paragraph (1) of subsection (a), by striking “owned or subsidized by” and inserting “owned, subsidized by, or contracted with”; and

(3) by adding at the end the following:

“(b) MARITIME SECURITY PROGRAM VESSELS.—The Secretary shall require an operator of a vessel participating in the Maritime Security Program under chapter 531 of this title to carry on each Maritime Security Program vessel 2 United States Merchant Marine Academy cadets, if available, on each voyage.

“(c) MILITARY SEALIFT COMMAND VESSELS.—

“(1) IN GENERAL.—Except as provided in paragraph (2), the Commander of the Military Sealift Command shall require an operator of a vessel in the United States Navy’s Military Sealift Command to carry on each such vessel 2 United States Merchant Marine Academy cadets, if available, on each voyage, if the vessel—

“(A) is flagged in the United States; and

“(B) is rated at 10,000 gross tons or higher.

“(2) WAIVER.—The Commander of the Military Sealift Command may waive the requirement under paragraph (1) at any time if the Commander determines that carrying a cadet from the United States
Merchant Marine Academy would place an undue burden on the vessel or the operator of the vessel.

“(d) DEFINITION OF OPERATOR.—In this section, the term ‘operator’ includes a government operator and a non-government operator.

“(e) SAVINGS CLAUSE.—Nothing in this section may be construed as affecting—

“(1) the discretion of the Secretary to determine whether to place a United States Merchant Marine Academy cadet on a vessel;

“(2) the authority of the Coast Guard regarding a vessel security plan approved under section 70103; or

“(3) the discretion of the master of the vessel to ensure the safety of all crew members.”.

SEC. 7511. GAO REPORT ON NATIONAL MARITIME STRATEGY.

The Comptroller General of the United States shall complete a study and submit to the Committee on Commerce, Science, and Transportation of the Senate, the Committee on Armed Services of the House of Representatives, and the Committee on Transportation and Infrastructure of the House of Representatives, a report on—

(1) the key challenges, if any, to ensuring that the United States marine transportation system and
merchant marine are sufficient to support United States economic and defense needs, as articulated by the Maritime Administration, the Committee on the Marine Transportation System, and other stakeholders;

(2) the extent to which a national maritime strategy incorporates desirable characteristics of successful national strategies as identified by the Comptroller General, and any key obstacles (as identified by stakeholders) to successfully implementing such strategies; and

(3) the extent to which Federal efforts to establish national maritime strategy are duplicative or fragmented, and if so, the impact on United States maritime policy for the future.

SEC. 7512. DEPARTMENT OF TRANSPORTATION INSPECTOR GENERAL REPORT ON TITLE XI PROGRAM.

Not later than 180 days after the date of enactment of this Act, the Department of Transportation Office of Inspector General shall—

(1) initiate an audit of the financial controls and protections included in the policies and procedures of the Department of Transportation for approving loan applications for the loan guarantee pro-
gram authorized under chapter 537 of title 46, United States Code; and

(2) submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives a report containing the results of that audit once the audit is completed.

SEC. 7513. MULTI-YEAR CONTRACTS.

Nothing in section 3505 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) may be construed to prohibit the Maritime Administration from entering into a multi-year contract for the procurement of up to 5 new vessels within the National Security Multi-Mission Vessel Program and associated government–furnished equipment, subject to the availability of appropriations.

SEC. 7514. USE OF STATE MARITIME ACADEMY TRAINING VESSELS.

Section 51504(g) of title 46, United States Code, is amended to read as follows:

“(g) VESSEL CAPACITY SHARING.—

“(1) IN GENERAL.—Not later than 90 days after the date of enactment of the National Defense Authorization Act for Fiscal Year 2019, the Secretary, act-
ing through the Maritime Administrator, shall upon consultation with the maritime academies, and to the extent feasible with the consent of the maritime academies, implement a program of training vessel capacity sharing, requiring maritime academies to share training vessel capacity provided by the Secretary among maritime academies, as necessary to ensure that training needs of each academy are met.

“(2) PROGRAM OF VESSEL CAPACITY SHARING.—For purposes of this subsection, a program of vessel capacity sharing shall include—

“(A) ways to maximize the available underway training capacity available in the fleet of training vessels;

“(B) coordinating the dates and duration of training cruises with the academic calendars of maritime academies;

“(C) coordinating academic programs designed to be implemented aboard training vessels among maritime academies; and

“(D) identifying ways to minimize costs.

“(3) EVALUATION.—Not later than 30 days after the beginning of each fiscal year, the Secretary, acting through the Maritime Administrator, shall evaluate the vessel capacity sharing program under this sub-
section to determine the optimal utilization of State maritime training vessels, and modify the program as necessary to improve utilization.”.

SEC. 7515. PERMANENT AUTHORITY OF SECRETARY OF TRANSPORTATION TO ISSUE VESSEL WAR RISK INSURANCE.

(a) In General.—Section 53912 of title 46, United States Code, is repealed.

(b) Clerical Amendment.—The table of sections at the beginning of chapter 539 of title 46, United States Code, is amended by striking the item relating to section 53912.

SEC. 7516. NAVIGATION SYSTEM STUDY AND REPORT.

(a) Study of the Great Lakes System.—

(1) In General.—The Comptroller General of the United States shall conduct a comprehensive study of the Great Lakes-Saint Lawrence Seaway navigation system (referred to in this section as the “Great Lakes System”) that examines the current state of the system and makes recommendations for improvements.

(2) Contents.—The study—

(A) shall examine, with respect to the Great Lakes System—

(i) typical cargo routing options;
(ii) the cost profile of each route and alternative routes;

(iii) port infrastructure quality;

(iv) intermodal connections;

(v) competing transportation options, including air, rail, and ground transportation and their relative market position;

(vi) taxes and fees imposed on vessels;

(vii) marketing efforts to increase shipments;

(viii) subsidies provided to the Great Lakes System and to competing cargo transportation systems;

(ix) the condition of the docks at each port;

(x) United States and Canadian Government icebreaking capabilities to facilitate commercial shipping;

(xi) the maritime safety and marine casualty statistics for commercial vessels transiting the Great Lakes System; and

(xii) the condition of vessel navigation infrastructure (such as channels, locks, jetties, and breakwaters) and efforts to main-
tain, upgrade, or replace that infrastructure; and

(B) shall make recommendations on—

(i) the level of additional investment needed to improve the Great Lakes System;

(ii) any benefits of increased Federal or State investment in the Great Lakes System; and

(iii) any regulatory or competitive burdens impeding growth of the Great Lakes System.

(b) REPORT.—Not later than 1 year after the date of the enactment of this Act, the Comptroller General shall submit to the Committee on Commerce, Science, and Transportation of the Senate, the Committee on Transportation and Infrastructure of the House of Representatives, and the Co-Chairs of the Great Lakes Task Force of the Senate and of the House of Representatives a report containing the results of the study conducted under this section.

SEC. 7517. MISCELLANEOUS.

(a) NONCOMMERCIAL VESSELS.—Section 3514(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 46 U.S.C. 51318 note) is amended—
(1) by striking “Not later than” and inserting the following:

“(1) IN GENERAL.—Not later than”; and

(2) by redesignating paragraphs (1) and (2) as subparagraphs (A) and (B), respectively, and adjusting the margins accordingly; and

(3) by adding at the end the following:

“(2) NONCOMMERCIAL VESSELS.—For the purposes of this section, vessels operated by any of the following entities shall not be considered commercial vessels:

“(A) Any entity or agency of the United States.

“(B) The government of a State or territory.

“(C) Any political subdivision of a State or territory.

“(D) Any other municipal organization.”.

(b) PASSENGER RECORDS.—Section 51322(c) of title 46, United States Code, is amended to read as follows:

“(c) MAINTENANCE OF SEXUAL ASSAULT TRAINING RECORDS.—The Maritime Administrator shall require the owner or operator of a commercial vessel, or the seafarer union for a commercial vessel, to maintain records of sexual
assault training for any person required to have such training.”.

(c) National Oceanic and Atmospheric Administration.—Section 3134 of title 40, United States Code, is amended by adding at the end the following:

“(c) National Oceanic and Atmospheric Administration.—The Secretary of Commerce may waive this subchapter with respect to contracts for the construction, alteration, or repair of vessels, regardless of the terms of the contracts as to payment or title, when the contract is made under the Act entitled ‘An Act to define the functions and duties of the Coast and Geodetic Survey, and for other purposes’, approved August 6, 1947 (33 U.S.C. 883a et seq.).”.

(d) Annual Payments for Maintenance and Support.—Section 51505(b)(2) of title 46 is amended to read as follows:

“(2) Maximum.—The amount under paragraph (1) may not be more than $25,000, unless the academy satisfies section 51506(b) of this title.”.

SEC. 7518. SUPERIOR NATIONAL FOREST LAND EXCHANGE.

(a) Purpose and Need for NorthMet Land Exchange.—

(1) Purpose.—It is the purpose of this section to further the public interest by consummating the
NorthMet Land Exchange as specifically set forth in this section.

(2) NEED.—According to the Final Record of Decision, the NorthMet Land Exchange is advisable and needed because the NorthMet Land Exchange will—

(A) result in a 40-acre net gain in National Forest System lands;

(B) improve the spatial arrangement of National Forest System lands by reducing the amount of ownership boundaries to be managed by 33 miles;

(C) improve management effectiveness by exchanging isolated Federal lands with no public overland access for non-Federal lands that will have public overland access and be accessible and open to public use and enjoyment;

(D) result in Federal cost savings by eliminating certain easements and their associated administration costs;

(E) meet several of the priorities identified in the land and resource management plan for Superior National Forest to protect and manage administratively or congressionally designated, unique, proposed, or recommended areas, includ-
ing acquisition of 307 acres of land to the administratively proposed candidate Research Natural Areas, which are managed by preserving and maintaining areas for ecological research, observation, genetic conservation, monitoring, and educational activities;

(F) promote more effective land management that would meet specific National Forest needs for management, including acquisition of over 6,500 acres of land for new public access, watershed protection, ecologically rare habitats, wetlands, water frontage, and improved ownership patterns;

(G) convey Federal land generally not needed for other Forest resource management objectives, because such land is adjacent to intensively developed private land including ferrous mining areas, where abundant mining infrastructure and transportation are already in place, including—

(i) a large, intensively developed open pit mine lying directly to the north of the Federal land;
(ii) a private mine railroad, powerlines, and roads lying directly to the south of the Federal land; and 

(iii) already existing ore processing, milling, and tailings facilities located approximately 5 miles to the west of the Federal land; and 

(H) provide a practical resolution to complex issues pertaining to the development of private mineral rights underlying the Federal land surface, and thereby avoid potential litigation which could adversely impact the status and management of the Federal land and other National Forest System land acquired under the authority of section 6 of the Act of March 1, 1911 (commonly known as the Weeks Law; 16 U.S.C. 515).

(b) DEFINITIONS.—In this section:

(1) COLLECTION AGREEMENTS.—The term “Collection Agreements” means the following agreements between the Secretary and Poly Met pertaining to the NorthMet Land Exchange:


(B) The agreement dated January 15, 2016.
(2) Federal Land Parcel.—The term “Federal land parcel” means all right, title, and interest of the United States in and to approximately 6,650 acres of National Forest System land, as identified in the Final Record of Decision, within the Superior National Forest in St. Louis County, Minnesota, as generally depicted on the map entitled “Federal Land Parcel–NorthMet Land Exchange”, and dated June 2017.

(3) Non-Federal Land.—The term “non-Federal land” means all right, title, and interest of Poly Met in and to approximately 6,690 acres of land in four separate tracts (comprising 10 separate land parcels in total) within the Superior National Forest to be conveyed to the United States by Poly Met in the land exchange as generally depicted on an overview map entitled “Non-Federal Land Parcels–NorthMet Land Exchange” and dated June 2017, and further depicted on separate tract maps as follows:

(B) **TRACT 2.**—Approximately 320 acres of land in 4 separate parcels in Lake County, Minnesota, generally depicted on the map entitled “Non-Federal Land Parcels–NorthMet Land Exchange–Lake County Lands”, and dated June 2017.

(C) **TRACT 3.**—Approximately 1,560 acres of land in 4 separate parcels in Lake County, Minnesota, generally depicted on the map entitled “Non-Federal Land Parcels–NorthMet Land Exchange–Wolf Lands”, and dated June 2017.


(4) **NORTHMET LAND EXCHANGE.**—The term “NorthMet Land Exchange” means the land exchange specifically authorized and directed by subsection (c).

(5) **POLY MET.**—The term “Poly Met” means Poly Met Mining Corporation, Inc., a Minnesota Corporation with executive offices in St. Paul, Minnesota, and headquarters in Hoyt Lakes, Minnesota.

(6) **RECORD OF DECISION.**—The term “Record of Decision” means the Final Record of Decision of the
Forest Service issued on January 9, 2017, approving the NorthMet Land exchange between the United States and PolyMet Mining, Inc., a Minnesota Corporation, involving National Forest System land in the Superior National Forest in Minnesota.

(7) SECRETARY.—The term “Secretary” means the Secretary of Agriculture.

(8) STATE.—The term “State” means the State of Minnesota.

(c) NORTHMET LAND EXCHANGE.—

(1) EXCHANGE AUTHORIZED AND DIRECTED.—

(A) IN GENERAL.—Subject to subsection (d)(3)(A) and other conditions imposed by this section, if Poly Met offers to convey to the United States all right, title, and interest of Poly Met in and to the non-Federal land, the Secretary shall accept the offer and convey to Poly Met all right, title, and interest of the United States in and to the Federal land parcel.

(B) LAND EXCHANGE EXPEDITED.—Subject to the conditions imposed by this section, the NorthMet Land Exchange directed by this section shall be consummated not later than 90 days after the date of enactment of this Act.

(2) FORM OF CONVEYANCE.—
(A) **NON-FEDERAL LAND.**—Title to the non-Federal land conveyed by Poly Met to the United States shall be by general warranty deed subject to existing rights of record, and otherwise conform to the title approval regulations of the Attorney General of the United States.

(B) **FEDERAL LAND PARCEL.**—The Federal land parcel shall be quitclaimed by the Secretary to Poly Met by an exchange deed.

(3) **EXCHANGE COSTS.**—

(A) **REIMBURSEMENT REQUIRED.**—Poly Met shall pay or reimburse the Secretary, either directly or through the Collection Agreements, for all land survey, appraisal, land title, deed preparation, and other costs incurred by the Secretary in processing and consummating the NorthMet Land Exchange. The Collection Agreements, as in effect on the date of the enactment of this Act, may be modified through the mutual consent of the parties.

(B) **DEPOSIT OF FUNDS.**—All funds paid or reimbursed to the Secretary under subparagraph (A)—
(i) shall be deposited and credited to
the accounts in accordance with the Collection Agreements;

(ii) shall be used for the purposes specified for the accounts; and

(iii) shall remain available to the Secretary until expended without further appropriation.

(4) CONDITIONS ON LAND EXCHANGE.—

(A) RESERVATION OF CERTAIN MINERAL RIGHTS.—Notwithstanding paragraph (1), the United States shall reserve the mineral rights on approximately 181 acres of the Federal land parcel as generally identified on the map entitled “Federal Land Parcel–NorthMet Land Exchange”, and dated June 2017.

(B) THIRD-PARTY AUTHORIZATIONS.—As set forth in the Final Record of Decision, Poly Met shall honor existing road and transmission line authorizations on the Federal land parcel. Upon relinquishment of the authorizations by the holders or upon revocation of the authorizations by the Forest Service, Poly Met shall offer replacement authorizations to the holders on at least equivalent terms.
(d) VALUATION OF NORTHMET LAND EXCHANGE.—

(1) APPRAISALS.—The Congress makes the following new findings:

(A) Appraisals of the Federal and non-Federal lands to be exchanged in the NorthMet Land Exchange were formally prepared in accordance with the Uniform Appraisal Standards for Federal Land Acquisitions, and were approved by the Secretary in conjunction with preparation of the November 2015 Draft Record of Decision on the NorthMet Land Exchange.

(B) The appraisals referred to in subparagraph (A) determined that the value of the non-Federal lands exceeded the value of the Federal land parcel by approximately $425,000.

(C) Based on the appraisals referred to in subparagraph (A), the United States would ordinarily be required to make a $425,000 cash equalization payment to Poly Met to equalize exchange values under the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1701 et seq.), unless such an equalization payment is waived by Poly Met.

(2) VALUES FOR CONSUMMATION OF LAND EXCHANGE.—The appraised values of the Federal and
non-Federal land determined and approved by the Secretary in November 2015, and referenced in paragraph (1)—

(A) shall be the values utilized to consummate the NorthMet Land Exchange; and

(B) shall not be subject to reappraisal.

(3) WAIVER OF EQUALIZATION PAYMENT.—

(A) CONDITION ON LAND EXCHANGE.—Notwithstanding section 206(b) of the Federal Land Policy and Management Act (43 U.S.C. 1716(b)), and as part of its offer to exchange the non-Federal lands as provided in subsection (c)(1)(A), Poly Met shall waive any payment to it of any monies owed by the United States to equalize land values.

(B) TREATMENT OF WAIVER.—A waiver of the equalization payment under subparagraph (A) shall be considered as a voluntary donation to the United States by Poly Met for all purposes of law.

(e) MAPS AND LEGAL DESCRIPTIONS.—

(1) MINOR ADJUSTMENTS.—By mutual agreement, the Secretary and Poly Met may correct minor or typographical errors in any map, acreage estimate, or description of the Federal land parcel or non-Fed-
eral land to be exchanged in the NorthMet Land Exchange.

(2) CONFLICT.—If there is a conflict between a map, an acreage estimate, or a description of land under this section, the map shall control unless the Secretary and Poly Met mutually agree otherwise.

(3) EXCHANGE MAPS.—The maps referred to in subsection (b) depicting the Federal and non-Federal lands to be exchanged in the NorthMet Land Exchange, and dated June 2017, depict the identical lands identified in the Final Record of Decision, which are on file in the Office of the Supervisor, Superior National Forest.

(f) POST-EXCHANGE LAND MANAGEMENT.—

(1) NON-FEDERAL LAND.—Upon conveyance of the non-Federal land to the United States in the NorthMet Land Exchange, the non-Federal land shall become part of the Superior National Forest and be managed in accordance with—

(A) the Act of March 1, 1911 (commonly known as the Weeks Law; 16 U.S.C. 500 et seq.); and

(B) the laws and regulations applicable to the Superior National Forest and the National Forest System.
(2) Planning.—Upon acquisition by the United States in the NorthMet Land Exchange, the non-Federal lands shall be managed in a manner consistent with the land and resource management plan applicable to adjacent federally owned lands in the Superior National Forest. An amendment or supplement to the land and resource management plan shall not be required solely because of the acquisition of the non-Federal lands.

(3) Federal Land.—Upon conveyance of the Federal land parcel to Poly Met in the NorthMet Land Exchange, the Federal land parcel shall become private land and available for any lawful use in accordance with applicable Federal, State, and local laws and regulations pertaining to mining and other uses of land in private ownership.

(g) Miscellaneous Provisions.—

(1) Withdrawal of Acquired Non-Federal Land.—The non-Federal lands acquired by the United States in the NorthMet Land Exchange shall be withdrawn, without further action by the Secretary, from appropriation and disposal under public land laws and under laws relating to mineral and geothermal leasing.
(2) Withdrawal Revocation.—Any public land order that withdraws the Federal land parcel from appropriation or disposal under a public land law shall be revoked without further action by the Secretary to the extent necessary to permit conveyance of the Federal land parcel to Poly Met.

(3) Withdrawal of Federal Land Pending Conveyance.—The Federal land parcel to be conveyed to Poly Met in the NorthMet Land Exchange, if not already withdrawn or segregated from appropriation or disposal under the mineral leasing and geothermal or other public land laws upon enactment of this Act, is hereby so withdrawn, subject to valid existing rights, until the date of conveyance of the Federal land parcel to Poly Met.

(4) Act Controls.—In the event any provision of the Record of Decision conflicts with a provision of this section, the provision of this section shall control.

Attest:

Secretary.
Ordered to be printed as passed
June 19, 2018

AMENDMENT

H.R. 5515